



TENDER ADDENDUM

Project:	UHNBC Fluoroscopy Replacement – Phase 2 – General Fluoro University Hospital of Northern British Columbia 1475 Edmonton Street, Prince George, BC V2M 1S2	Tender Addendum #:	01
		DCTYA Project #:	2009
		NHA Project #:	N662150007
		Issued By:	Douglas Cheung
To:	All Bidders	Issue Date:	June 10, 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 **June 4, 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.	Architectural :	
1.1.	A cash allowance for the following purchase is to be included in the contract: a. Medical storage cabinets : \$15,000	
1.2.	See attached Dwg A1.01 – Location Plan & General Notes, for revisions to Drawing List.	
1.3.	See attached Dwg A2.01 – Level 1 – Demolition Plan, for revision to Demolition Key Notes and additional annotations to the Phase 2B & 2C - Demolition Plan.	
1.4.	See attached Dwg A5.03 – Room, Finishes & Fixtures Schedules, for revised Finishes & Fixtures Schedule.	
1.5.	See attached Dwg A5.05 – Door & Window Schedules, for revised Door Hardware Schedule and Door & Frame Schedule.	
1.6.	See attached new Dwg A7.01 – Specifications – General Conditions	
1.7.	See attached new Dwg A7.02 – Specifications – Materials & Finishes	
1.8.	See attached new Dwg A7.03 – Specifications – Materials & Finishes (cont.)	



Attachments :

a.	Dwg A1.01 – Location Plan & General Notes	1 drawing
b.	Dwg A2.01 – Level 1 – Demolition Plan	1 drawing
c.	Dwg A5.03 – Room, Finishes & Fixtures Schedules	1 drawing
d.	Dwg A5.05 – Door & Window Schedules	1 drawing
e.	Dwg A7.01 – Specifications – General Conditions	1 drawing
f.	Dwg A7.02 – Specifications – Materials & Finishes	1 drawing
g.	Dwg A7.03 – Specifications – Materials & Finishes (cont.)	1 drawing

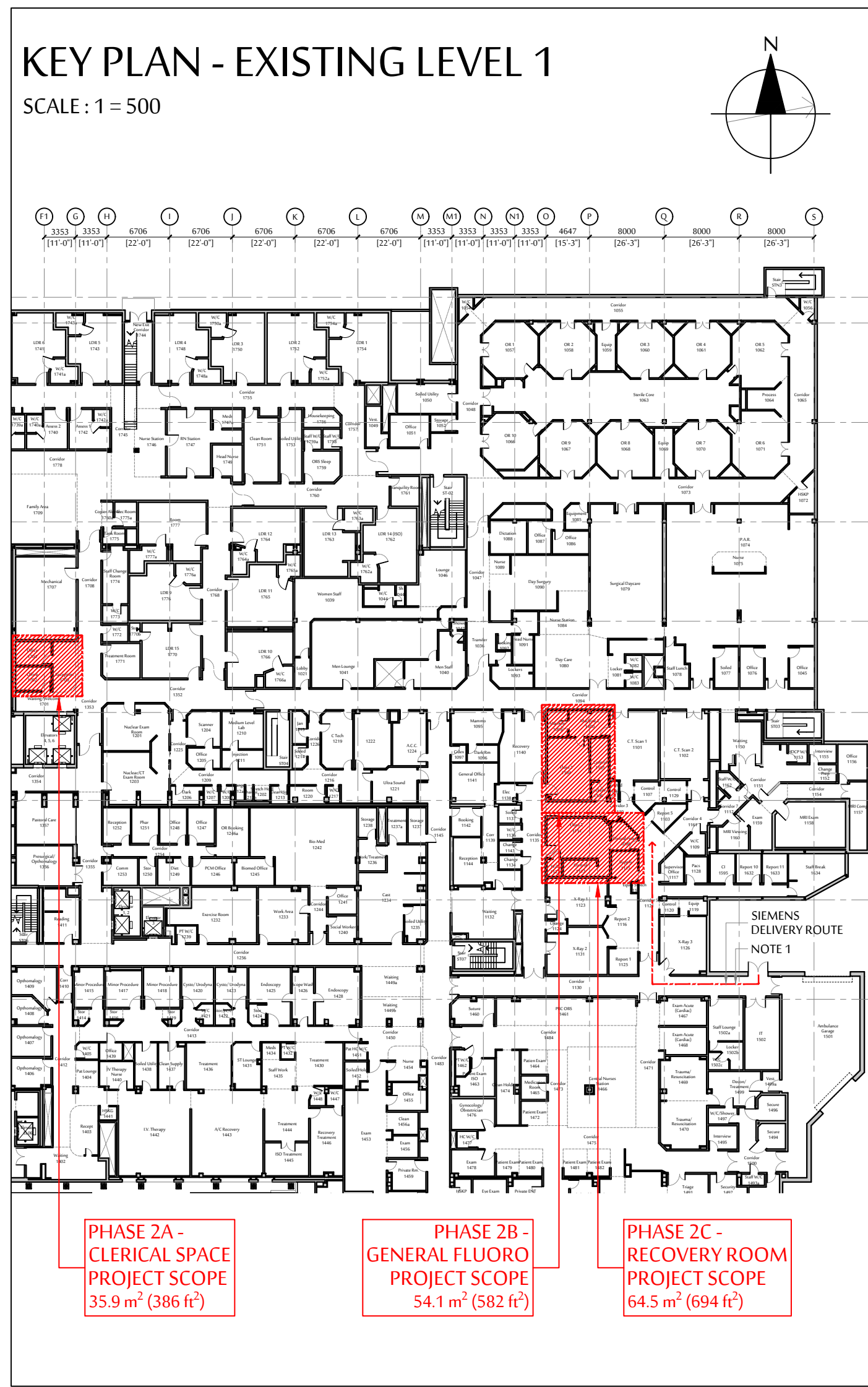
END

UHNBC FLUOROSCOPY REPLACEMENT

PHASE 2 - GENERAL FLUORO

1475 EDMONTON STREET, PRINCE GEORGE, BC V2M 1S2

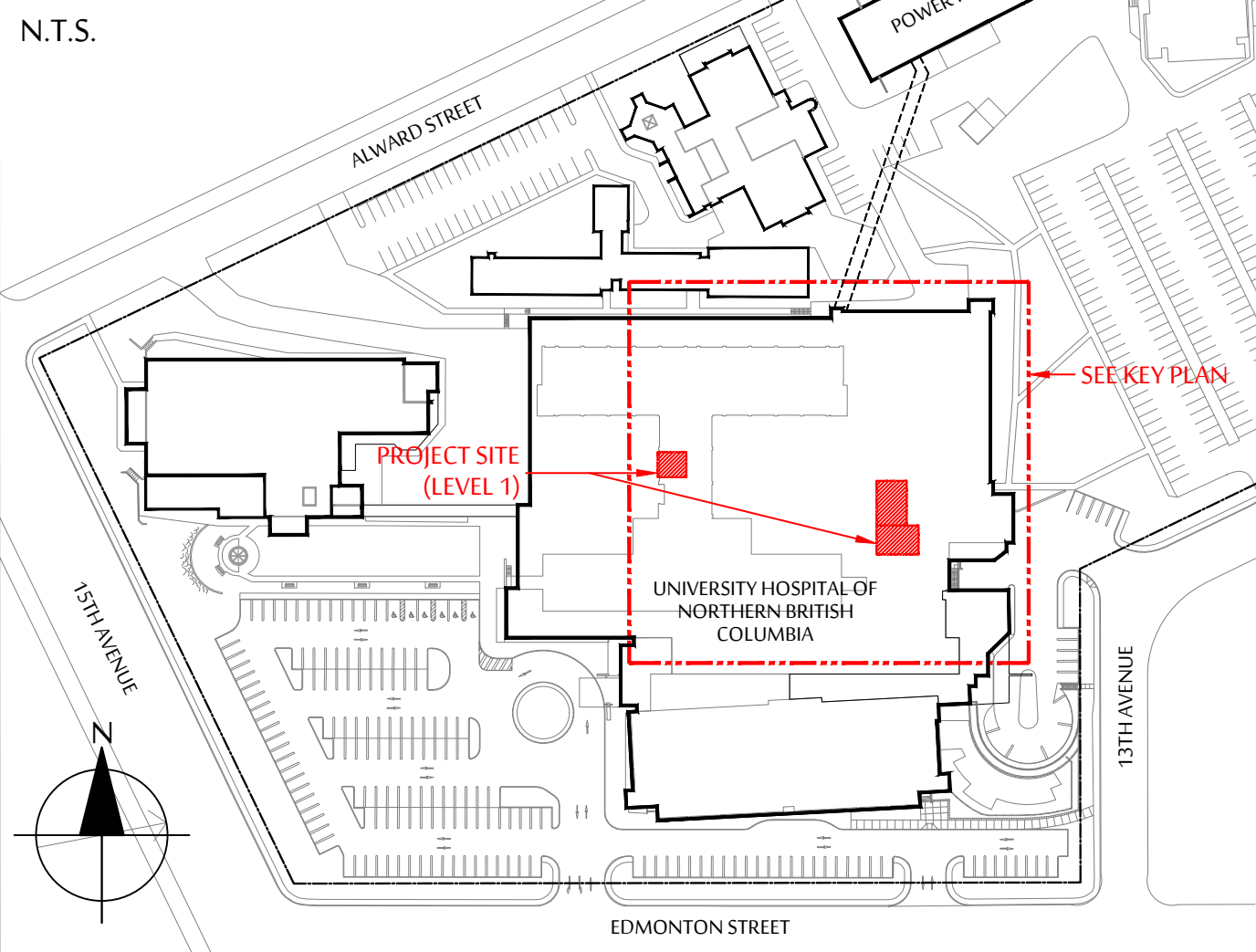
ISSUED FOR TENDER
JUNE 4, 2021



DRAWING LIST

ARCHITECTURAL	AS.04 TYPICAL DETAILS AS.05 FURNITURE & EQUIP. SCHEDULES A6.01 MILLWORK PLANS & ELEV. A6.02 MILLWORK PLANS & ELEV. (CONT.) A6.03 MILLWORK PLANS & ELEV. (CONT.) A6.04 MILLWORK SECTIONS A7.01 SPECIFICATIONS - GENERAL CONDITIONS A7.02 SPECIFICATIONS - MATERIALS & FINISHES A7.03 SPECIFICATIONS - MATERIALS & FINISHES (CONT.)	STRUCTURAL	M0.000 COVER PAGE M1.100 LEVEL 0 EXIST. SANITARY DEMO PLAN M1.101 LEVEL 1 EXIST. PLUMBING DEMO PLAN M1.102 LEVEL 1 EXIST. MEDIC. GAS DEMO PLAN	M2.100 LEVEL 1 EXIST. MECH. DEMO PLAN M1.300 LEVEL 1 EXIST. FIRE SUPPRESSION DEMO PLAN M2.100 LEVEL 0 SANITARY PLAN M2.101 LEVEL 1 PLUMBING PLAN M2.102 LEVEL 1 MEDICAL GAS PLAN M2.200 LEVEL 1 MECHANICAL PLAN M2.202 ROOF MECHANICAL PLAN M2.300 LEVEL 1 FIRE SUPPRESSION PLAN M4.200 DETAILS M4.201 DETAILS	ELECTRICAL	REFERENCE DRAWINGS
A1.01 LOCATION PLAN & GENERAL NOTES A2.01 LEVEL 1 - DEMOLITION PLAN A2.02 LEVEL 1 - FRAMING PLAN A2.03 LEVEL 1 - FINISHES & FIXT. PLAN A2.04 LEVEL 1 - FURNITURE & EQUIP. PLAN A2.05 LEVEL 1 - SCOPE OF WORK A2.06 LEVEL 0 - SCOPE OF WORK A2.07 ROOF PLAN A3.01 LEVEL 1 - DEMOLITION RCP A3.02 LEVEL 2 - REFLECTED CEILING PLAN A4.01 SECTIONS A4.02 INTERIOR ELEVATIONS A5.01 WALL SCHEDULES A5.02 DOOR & WINDOW SCHEDULES A5.03 ROOM, FINISHES & FIXT. SCHEDULES		S21 GENERAL NOTES & KEY PLAN S22 TYPICAL DETAILS S23 LEVEL 1 RCP & GEN FLUORO AND RECOVERY ROOM S24 LEVEL 1 RCP CLERICAL WORK AND ROOF PLAN S25 SECTIONS & DETAILS		M5.100 SCHEDULES M5.200 SPECIFICATIONS M5.201 SPECIFICATIONS M5.202 SPECIFICATIONS	E1.01 ELECTRICAL DEMOLITION E2.01 LEVEL 1 CONSTRUCTION PLAN E2.02 LEVEL 1 RCP E3.01 ELECTRICAL DETAILS E3.02 ELECTRICAL SPECS - KEY PLANS	SIEMENS AXION ARTIS ZEE MP INSTALL DWGS (4 PAGES) GULDAMANN PATIENT LIFT DWGS (6 PAGES)

LOCATION PLAN



INFECTION CONTROL REQUIREMENTS

- FOR ALL CONSTRUCTION WORK WITHIN THE HOSPITAL, CONTRACTORS MUST FOLLOW INFECTION CONTROL PROCEDURES AS REQUIRED BY:
 - CSA STANDARDS 2317.13.12 "FUNDAMENTALS FOR INFECTION CONTROL DURING CONSTRUCTION, RENOVATION AND MAINTENANCE OF HEALTH CARE FACILITIES"
 - NORTHERN HEALTH AUTHORITY CLINICAL PRACTICE STANDARD "INFECTION CONTROL DURING CONSTRUCTION, RENOVATIONS, AND MAINTENANCE OF HEALTH CARE FACILITIES"
 - THIS PROJECT IS CLASSIFIED AS:
 - PHASE 2A - POPULATION RISK GROUP = 1 (OFFICE AREA - NON-CLINICAL)
CONSTRUCTION ACTIVITY TYPES = D
GUIDELINES FOR INFECTION CONTROL MEASURES = CLASS III / IV
 - PHASE 2B/2C - POPULATION RISK GROUP = 3 (DIAGNOSTIC IMAGING)
CONSTRUCTION ACTIVITY TYPES = D
GUIDELINES FOR INFECTION CONTROL MEASURES = CLASS IV
- PRECONSTRUCTION MEETING:
 - BEFORE COMMENCEMENT OF CONSTRUCTION, CONTRACTOR MUST SET UP A PRECONSTRUCTION MEETING WITH THE HOSPITAL TO REVIEW AND OBTAIN APPROVAL FOR THE PROPOSED INFECTION CONTROL MEASURES.
 - CONTRACTOR TO COORDINATE WITH NHA AND THE HOSPITAL AND SUBMIT A "RISK REDUCTION MEASURES CONSTRUCTION REPORT" TO NORTHERN HEALTH AUTHORITY FOR APPROVAL.
- CONTRACTORS TO OBSERVE THE FOLLOWING INFECTION CONTROL PRECAUTIONS FOR WORKING AT THE DISCHARGE OPENINGS OF ROOFTOP EXHAUST DUCTS.
 - INFECTION CONTROL REQUIRES THAT WORKERS MUST BE MADE AWARE OF THE FACT THAT HOSPITAL EXHAUST DUCTS MAY CARRY DUST AND SPORE PARTICLES, HOWEVER, NOT ACTIVE TB, DUST AND SPORES, RESIDING IN THESE DUCTS, MAY BE DISCHARGED TO THE EXTERIOR WITH THE AIR MASS CREATED WITHIN THESE DUCTS.
 - ALTHOUGH THE LEVEL OF RISK FOR POTENTIAL CONTAMINATION IS LOW, IT IS ADVISABLE THAT CONSTRUCTION WORKERS, ESPECIALLY THOSE WHO ARE SENSITIVE TO RESPIRATORY ILLNESSES, WEAR APPROPRIATE DUST MASKS CAPABLE OF FILTERING FINE PARTICULATES.

GUIDANCE TO CONSTRUCTION SITES OPERATING DURING COVID-19

AS THE CHALLENGES CAUSED BY THE CORONAVIRUS OUTBREAK CONTINUE TO SHIFT, THE B.C. GOVERNMENT AND B.C.'S PROVINCIAL HEALTH OFFICER, DR. BONNIE HENRY, ARE TAKING UNPRECEDENTED MEASURES TO SLOW THE TRANSMISSION OF COVID-19.

RECENTLY, DR. HENRY ISSUED AN ORDER UNDER THE B.C.'S PUBLIC HEALTH ACT PROHIBITING THE GATHERING OF PEOPLE IN EXCESS OF 50 PEOPLE AT A PLACE OF WHICH YOU ARE THE OWNER, OCCUPIER OR OPERATOR, OR FOR WHICH YOU ARE OTHERWISE RESPONSIBLE. WE UNDERSTAND THAT EMPLOYERS IN THE CONSTRUCTION INDUSTRY ARE ASKING FOR CLARITY ABOUT WHAT THIS MEANS FOR THEM.

WHILE THIS ORDER DOES NOT APPLY TO CONSTRUCTION SITES AS A WHOLE, WE ARE DIRECTING EMPLOYERS TO TAKE ALL NECESSARY PRECAUTIONS TO MINIMIZE THE RISKS OF COVID-19 TRANSMISSION AND ILLNESS TO YOU AND YOUR EMPLOYEES. THIS INCLUDES:

- THERE SHOULD BE NO MORE THAN 50 PEOPLE IN THE SAME SPACE IN ANY CIRCUMSTANCES.
- WHERE POSSIBLE EMPLOYEES SHOULD MAINTAIN A DISTANCE OF 2 METRES APART FROM EACH OTHER.
- POST SIGNAGE THAT LIMITS THE NUMBER OF OCCUPANTS IN ANY ELEVATOR TO FOUR PEOPLE AT A TIME.
- REDUCE IN-PERSON MEETINGS AND OTHER GATHERINGS AND HOLD SITE MEETINGS IN OPEN SPACES OR OUTSIDE.
- INCREASE THE NUMBER OF HANDWASHING STATIONS AND POST SIGNAGE THAT IDENTIFIES THEIR LOCATION.
- MAINTAIN A LIST OF EMPLOYEES THAT ARE CURRENTLY WORKING ON SITES AND UPDATE THIS LIST DAILY.
- ALL COMMON AREAS AND SURFACES SHOULD BE CLEANED AT THE END OF EACH DAY. EXAMPLES INCLUDE WASHROOMS, SHARED OFFICES, COMMON TABLES, DESKS, LIGHT SWITCHES, AND DOOR HANDLES.
- ANYONE WITH COVID-19 LIKE SYMPTOMS SUCH AS SORE THROAT, FEVER, SNEEZING, OR COUGHING MUST SELF-ISOLATE AT HOME FOR 14 DAYS.

EMPLOYERS SHOULD REASSESS THEIR WORK ENVIRONMENT EVERY DAY AND KEEP UPDATED WITH THE INFORMATION POSTED ON THE PROVINCE'S WEBSITE:
<https://www2.gov.bc.ca/gov/content/safety/emergency-preparedness-response-recovery/covid-19-provincial-support>

PROJECT INFO & CODE ANALYSIS

ADDRESS:	1475 EDMONTON STREET, PRINCE GEORGE, BC V2M 1S2
LEGAL DESCRIPTION:	LOT 4 DL343, PLAN 34806
PROJECT AREA:	PHASE 2A: 35.9 SM PHASE 2B: 54.1 SM PHASE 2C: 64.5 SM TOTAL: 154.5 SM
CODE ANALYSIS:	BRITISH COLUMBIA BUILDING CODE 2018 (INCLUDING LATEST AMENDMENTS)
CODE APPLICATIONS:	DIVISION A, PARTS 1, 2 AND 3 DIVISION B, PARTS 1, 7, 8 AND 10 DIVISION B, PARTS 3, 4, 5 AND 6 DIVISION C, PARTS 1 & 2
MAJOR OCCUPANCIES:	EXISTING - GROUP B, DIVISION 2 (TREATMENT - HOSPITAL) PROPOSED - NO CHANGE
SEPARATION OF MAJOR OCCUPANCIES:	EXISTING - NOT APPLICABLE PROPOSED - NOT APPLICABLE
OCCUPANT LOAD:	TREATMENT = 10.0 SM PER PERSON PHASE 2A OCCUPANT LOAD = 35.9 SM / 10.0 SM = 4 PHASE 2B OCCUPANT LOAD = 54.1 SM / 10.0 SM = 5 PHASE 2C OCCUPANT LOAD = 64.5 SM / 10.0 SM = 6
BUILDING SIZE:	GROUP B, DIVISION 2, ANY HEIGHT, ANY AREA, SPRINKLERED EXISTING BUILDING HEIGHT: 5-STORY PROPOSED - NO CHANGE
FIRE SUPPRESSION:	REQUIRED - BUILDING TO BE SPRINKLERED THROUGHOUT EXISTING - SPRINKLERED THROUGHOUT PROPOSED - NO CHANGE
CONSTRUCTION TYPE:	REQUIRED - NONCOMBUSTIBLE CONSTRUCTION EXISTING - NONCOMBUSTIBLE CONSTRUCTION PROPOSED - NONCOMBUSTIBLE CONSTRUCTION
FIRE RESISTANCE RATING:	REQUIRED (FLOOR) - 2 HOUR F.R.R. NONCOMBUSTIBLE CONST. EXISTING - 2 HOUR F.R.R. CONC. SLAB PROPOSED - NO CHANGE
SEPARATION OF SUITES:	EXISTING - NO CHANGE
PUBLIC CORRIDOR SEPARATIONS:	EXISTING - NO CHANGE
EGRESS DOORWAYS FROM ROOM OR SUITES:	REQUIRED MIN 2 EXCEPT 1 REQUIRED IF: SPRINKLERED THROUGHOUT FLOOR AREA < 200 SM (2,153 SF)
DISTANCE BETWEEN EGRESS DOORWAYS:	NOT APPLICABLE
EGRESS DOORWAY WIDTH:	MIN 800mm (31.5") CLEAR MIN 1050mm (42") CLEAR TO MOVE PATIENT BEDS
NO. OF EXITS FROM FLOOR AREAS:	MIN 2 REQUIRED
DISTANCE BETWEEN EXITS:	1/2 DIAGONAL OF FLOOR AREA BUT NOT LESS THAN 9 M (29.5 FT)
TRAVEL DISTANCE TO EXITS:	MAX 45 M (148 FT)
EXIT WIDTH FOR DOORWAYS:	MIN 6.1mm X OCCUP. LOAD
CORRIDOR (AGGREGATE):	MIN 1100mm (43.3") WIDE
DOORWAY (AGGREGATE):	MIN 800mm (31.50") WIDE
FIRE SEPARATION OF EXITS FROM FLOOR ABOVE:	MIN 2 HR. (AS REQ'D UNDER 3.2.2)
WASHROOM PROVISION:	REQUIREMENTS TO BE VERIFIED
HANDICAPPED PROVISION: ACCESSIBLE WASHROOM:	REQUIREMENTS TO BE VERIFIED
PARKING PROVISION:	NOT APPLICABLE

PROJECT TEAM

CLIENT:	ARCHITECTURAL CONSULTANT:	STRUCTURAL CONSULTANT:	MECHANICAL CONSULTANT:	ELECTRICAL CONSULTANT:	IMAGING EQUIPMENT:
NORTHERN HEALTH AUTHORITY SUITE 600 - 299 VICTORIA ST PRINCE GEORGE, BC V2L 5B8	DCYT ARCHITECTURE 3022 CABBIE STREET VANCOUVER, BC V5Z 2V9 T - 778 233 9001 E - dc@dcytarchitecture.ca	C. Y. LOH ASSOCIATES 1863 POWELL ST VANCOUVER, BC V5L 1H8 T - 604 254 0868 E - kmarakis@cyla.ca	IMPACT ENGINEERING 312 MAIN ST VANCOUVER, BC V6A 2T2 T - 604 992 5920 E - jle@impacteng.ca	NRS ENGINEERING SUITE 212 - 556 N NECHAKO ST PRINCE GEORGE, BC V2K 1A1 T - 250 562 0551 E - steve@nrsengineering.ca	SIEMENS HEALTHCARE LTD 1577 NORTH SERVICE RD E OAKVILLE, ON L6H 0H6 T - 236 984 5339 E - lee.boon@siemens-healthineers.ca

GENERAL NOTES

- GENERAL
- DO NOT SCALE THESE DRAWINGS. SEEK ARCHITECT FOR CLARIFICATION ON ANY MISSING DIMENSIONS
- VERIFY ALL DIMENSIONS AND SITE CONDITIONS ON SITE. ANY DISCREPANCIES FOUND ARE TO BE REPORTED IMMEDIATELY TO THE ARCHITECT PRIOR TO COMMENCEMENT OF WORK.
- ALL DIMENSIONS ARE GIVEN IN METRIC MEASURE EXCEPT NOTED OTHERWISE. FRAME CONSTRUCTION DIMENSIONS ARE FROM THE OUTSIDE FACE OF FINISH OF EXTERIOR WALLS, AND FROM THE FINISHED FACE OF INTERIOR PARTITIONS, UNLESS NOTED OTHERWISE.
- ALL DRAWINGS AND NOTES SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATIONS AND DRAWINGS OF OTHER CONSULTANTS. ANY DISCREPANCIES, ERRORS OR OMISSIONS IN THE DOCUMENTS SHALL BE REPORTED TO THE ARCHITECT BEFORE WORK IN THAT AREA CAN COMMENCE.
- PROJECT AREA IN DASHED LINES DENOTES APPROXIMATE LIMITS FOR THE WORK IN PLAN. WORK IS NOT NECESSARILY LIMITED TO THE AREA ENCLOSED - ALSO REFER TO M&E DWGS FOR WORK OUTSIDE PROJECT AREA.
- ALL WORK SHOWN WITHIN PROJECT AREA IS CONSIDERED AS NEW AND BE INCLUDED IN CONTRACT EXCEPT NOTED AS EXISTING ON CONSTRUCTION DOCUMENTS.
- ALL CONSTRUCTION AND INSTALLATION IS TO BE QUOTED AND PERFORMED IN ACCORDANCE WITH THE CURRENT ISSUE OF THE BRITISH COLUMBIA BUILDING CODE 2018 AND ITS AMENDMENTS, AS WELL AS ALL OTHER CODES BY LAWS, AND REGULATIONS HAVING JURISDICTION.
- ALL WORK PERFORMED BY TRADES AND SUB-TRADES SHALL MEET THE MINIMUM REQUIREMENTS OF WORKMANSHIP AS ACCEPTED IN THEIR OWN TRADE OR TRADE ASSOCIATION.
- ALL MATERIALS, FIXTURES AND EQUIPMENT MUST BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
- CONTRACTOR TO SUPPLY ALL NEW MATERIALS AND PERFORM ALL WORK TO FULFILL THE INTENT OF THE CONTRACT DOCUMENTS.
- CONTRACTOR TO PROVIDE ALL NECESSARY COORDINATION AND SUPERVISION OF ALL SUB-TRADES.
- NO STRUCTURAL ITEMS TO BE REMOVED, CUT OR ALTERED OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS.
- CONTRACTOR TO ENSURE ALL CONSTRUCTION AND STORAGE OF MATERIALS AND EQUIPMENT TO BE CONFINED WITHIN THE PROJECT AREA THROUGHOUT CONSTRUCTION PERIOD. IN NO CIRCUMSTANCES SHALL ANY EXISTING EXIT ROUTE BE OBSTRUCTED.
- CONTRACTOR TO POST ALL NECESSARY SAFETY AND EXIT SIGNS AT AND AMEND AS REQUIRED TO MAINTAIN A SAFE ENVIRONMENT WITHIN AND IN THE VICINITY OF THE SITE THROUGHOUT THE CONSTRUCTION PERIOD.
- CONTRACTOR TO MAINTAIN PROPER MEANS OF EGRESS FROM PROJECT AREA AT ALL TIMES THROUGHOUT THE CONSTRUCTION PERIOD.
- CONTRACTOR TO NOTIFY, COORDINATE AND SEEK APPROVAL FROM HOSPITAL & SECURITY DEPT. 72 HOURS IN ADVANCE PRIOR TO ANY WORK OUTSIDE PROJECT AREA AS WELL AS ANY MECH, ELEC, PLUMB, FIRE SERVICES AND MEDICAL GASES SHUT OFF. IF SUCH WORK NEEDS TO BE PERFORMED AFTER REGULAR HOURS AND SO THAT ANY INTERRUPTION OF THE NORMAL OPERATION OF THE SPACES OUTSIDE THE PROJECT AREA, SUCH AFTER HOUR WORK WILL BE PART OF THIS CONTRACT.
- DELIVERY OF MATERIALS AND DISPOSAL OF GARBAGE MUST BE CARRIED OUT IN SEALED BINS AFTER REGULAR HOURS THROUGH SERVICE CORRIDORS AS PERMITTED BY THE HOSPITAL.
- SUPPLY, DELIVERY AND ASSEMBLY OF FURNITURE AND FIXTURES INDICATED AS BY OWNER ARE NOT PART OF THIS CONTRACT. CONTRACTOR IS RESPONSIBLE ONLY FOR COORDINATION OF THE ABOVE, PLUS INSTALLATION IF SPECIFIED.
- SUPPLY AND DELIVERY OF ELECTRICAL APPLIANCES ARE BY OWNER. CONTRACTOR IS RESPONSIBLE FOR HOOK UP OF ELECTRICAL APPLIANCES.
- FOLLOW ALL RULES AS RECOMMENDED UNDER "GUIDANCE TO CONSTRUCTION SITES OPERATING DURING COVID-19"

ABBREVIATIONS

@	AT / EACH AT	GA	GAUGE	R/A	RETURN AIR
A/C	AIR CONDITIONER	GR	GRAB BAR	REF	REFERENCE
ABRH	ALCOHOL BASE HAND RUB	GBW	GYPSUM WALL BOARD	REFL	REFLECTED
ACOUST	ACOUSTICAL	H	HIGH	REQ'D	REQUIRED
ADJ	ADJUSTABLE	HC	HANDICAPPED	RM	ROOM
AFF	ABOVE FINISHED FLOOR	HD	HAND DRYER	RO	ROUGH OPENING
ALUM	ALUMINUM	HGT	HEIGHT	S/A	SUPPLY AIR
ATC	ACoustic TILE CEILING	HMI	HOLLOW METAL	SCH	SCHEDULE
BLOG	BUILDING	SD	SOAP DISPENSER	SD	SOAP DISPENSER
BLK	BLOCK	HMI	HANDICAPPED MIRROR	SIM	SIMILAR
B/S	BOTH SIDES	HORIZ	HORIZONTAL	SND	SANITARY NAPKIN
BTWN	BETWEEN	HW	HARD WOOD	SNO	SANITARY NAPKIN
CG	CORNER GUARD	INCL	INCLUDING	SPEC	SPECIFICATION
CH	CLOTHES HOOK	INSUL	INSULATION	SS	STAINLESS STEEL
CL	CENTER LINE	INT	INTERIOR	STL	STEEL
CLNG	CEILING	JB	JUNCTION BOX	STRUC	STRUCTURAL
CMU	CONCRETE MASONRY UNIT	L	LENGTH	SUSP	SUSPENDED
CONC	CONCRETE	LAD	LINEAR AIR DIFFUSER	T&B	TOP & BOTTOM
CONSTR	CONSTRUCTION	LAM	LAMINATE	T&G	TONGUE & GROOVE
COORD	COORDINATE	LRA	LINEAR R/A DIFFUSER	THK	THICK
CT	CERAMIC TILE	LSA	LINEAR S/A DIFFUSER	THC	TOP OF CONCRETE
DEMO	DEMOLITION / DEMOLISH	M&E	MECH & ELEC	TPD	TOILET PAPER
DIA	DIAMETER	MANUF	MANUFACTURER	TYP	TYPICAL
DR	DOOR	MAX	MAXIMUM	U/C	UNDER COUNTER
DN	DOWN	MECH	MECHANICAL	U/S	UNDERSIDE
DWG(S)	DRAWING(S)	MTD	MOUNTED	UNO	UNLESS NOTED OTHERWISE
E/A	EXHAUST AIR	N	NEW	VCT	VINYL COMPOSITION TILE
EA	EACH	NIC	NOT IN CONTRACT	VERT	VERTICAL
EL / ELEV	ELEVATION	NTS	NOT TO SCALE	VEST	VESTIBULE
ELEC	ELECTRICAL	NUM / #	NUMBER	VIF	VERIFIED IN FIELD
EQ	EQUAL	OD	OUTSIDE DIAMETER	W	WIDE
EX	EXIST	PL	PROPERTY LINE	W/	WITH
EXT	EXTERIOR	PLAS	PLASTIC	WC	WATER CLOSET
FDN	FOUNDATION	PLUMB	PLUMBING	WD	WOOD
FE	FIRE EXTINGUISHER	PLYWD	PLYWOOD	WP	WALL PROTECTION
FIN	FINISH	PTH	PAPER TOWEL HOLDER	WR	WASTE RECEPTACLE
FLR	FLOOR	PTN	PARTITION	WT	WEIGHT
FP	FILLER PANEL				
FR	FIRE RATED				
FS	FIRE SERVICES				

ARCHITECT:



WWW.DCYTARCHITECTURE.CA

WORK OUTSIDE PROJECT AREA GENERAL NOTES

- OBTAIN AUTHORIZATION FROM HOSPITAL TO PERFORM WORK OUTSIDE PROJECT AREA PRIOR TO COMMENCEMENT OF WORK
- ALL WORK OUTSIDE PROJECT AREA AND HOARDING AREA TO BE PERFORMED AFTER REGULAR HOURS, UNLESS AUTHORIZED BY HOSPITAL OTHERWISE
- SEE M&E DWGS FOR M&E SCOPE OF WORK
- REMOVE AND REINSTALL CLNG TILES AND GRID AS REQ'D TO PERFORM M&E WORK
- REPLACE CLNG TILES WITH NEW TO MATCH EX IF DAMAGED DURING CONSTRUCTION
- PERFORM SCANNING OF CONC SLAB TO VERIFY EXISTING M&E SERVICES & REBAR INSIDE SLAB BEFORE CORING OF SLAB
- PROVIDE FIRE STOPPING TO MAINTAIN FIRE SEPARATION REQ'D FOR ALL NEW FLOOR AND WALL PENETRATIONS
- REMOVE, REPAIR & REFINISH WALL AND FLOOR IF REQ'D FOR M&E WORK
- REMOVE AND REPAIR EX UNDERSLAB THERMAL INSULATION IF REQ'D FOR INSTALLATION OF NEW M&E SERVICES - SEE M&E DWGS FOR EXTENT OF WORK
- FOR M&E WORK EXTENDING BELOW THE PROJECT AREA, CONTRACTOR TO REMOVE, REPAIR & REFINISH EXISTING CEILING AS REQ'D
- PROTECT EXISTING FLOOR FINISHES ALONG AREA OF TRAVEL FROM ELEVATOR LOBBY TO PROJECT AREA

NOTE 1 - FOR DELIVERY OF GENERAL FLUOROSCOPY EQUIPMENT:

A. CONTRACTOR TO COORDINATE WITH HOSPITAL 72 HOURS IN ADVANCE FOR DELIVERY OF EQUIPMENT.

B. CONTRACTOR TO MAKE GOOD EXTERIOR AND INTERIOR WALLS, FLOORS AND CEILING, IF DAMAGED DURING EQUIPMENT DELIVERY.

C. CONTRACTOR TO PROVIDE PROTECTIVE COVERING FOR WALL, FLOOR AND CEILING AS REQUIRED BY HOSPITAL ALONG THE DELIVERY ROUTE.

NO.	REVISION	DATE	BY
8	TENDER ADDENDUM 1	JUNE 10, 2021	RC
7	ISSUED FOR TENDER	JUNE 4, 2021	RC
6	ISSUED FOR 80% CD	MAY 21, 2021	RC
5	ISSUED FOR WP SUBMISSION	MAY 7, 2021	RC
4	NOT ISSUED	-	-
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 2 - GEN FLUORO LOCATION PLAN & GENERAL NOTES

SCALE:

AS NOTED

DATE:

OCTOBER 2020

DRAWN:

RC

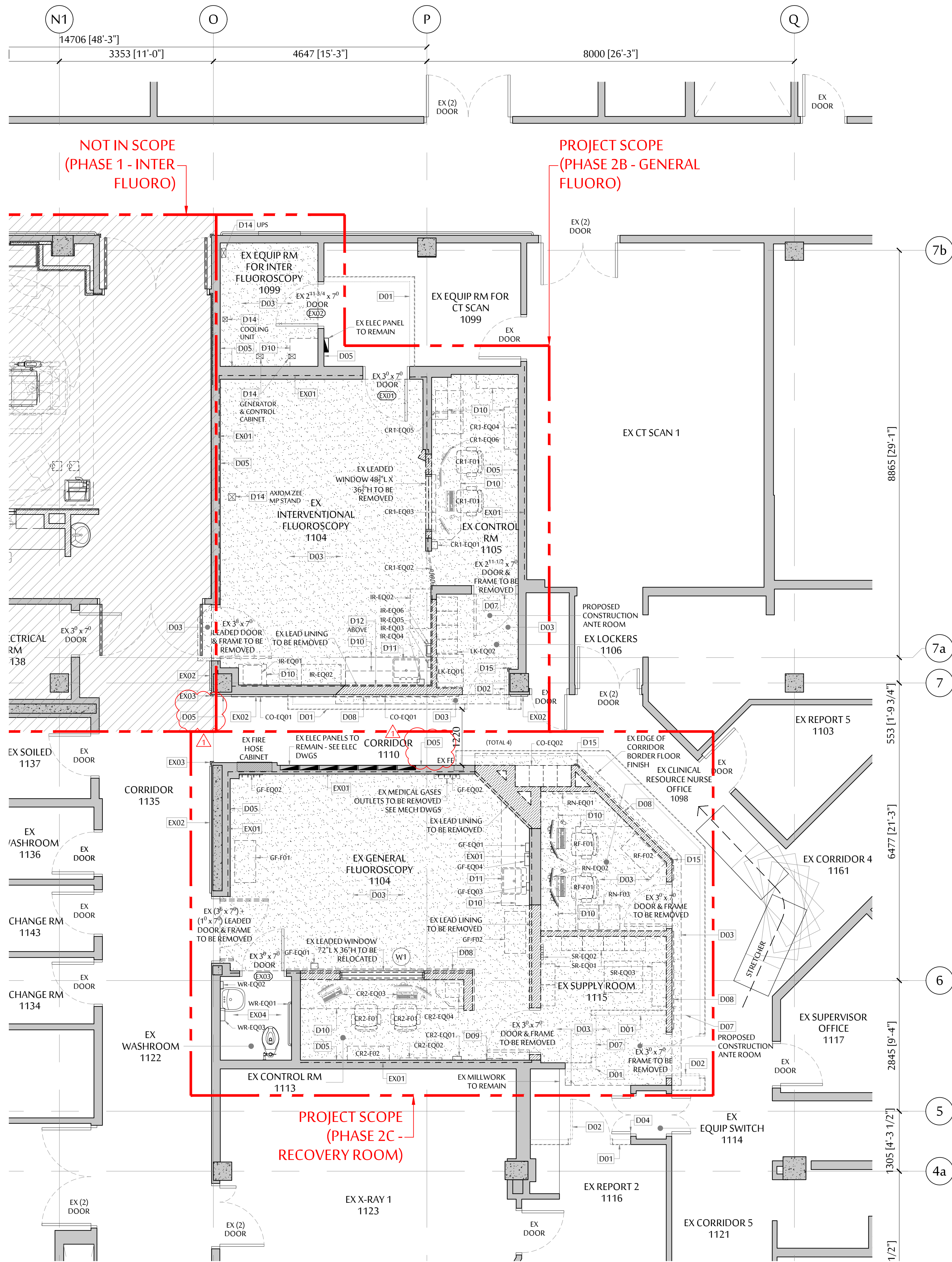
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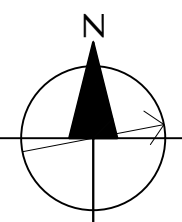
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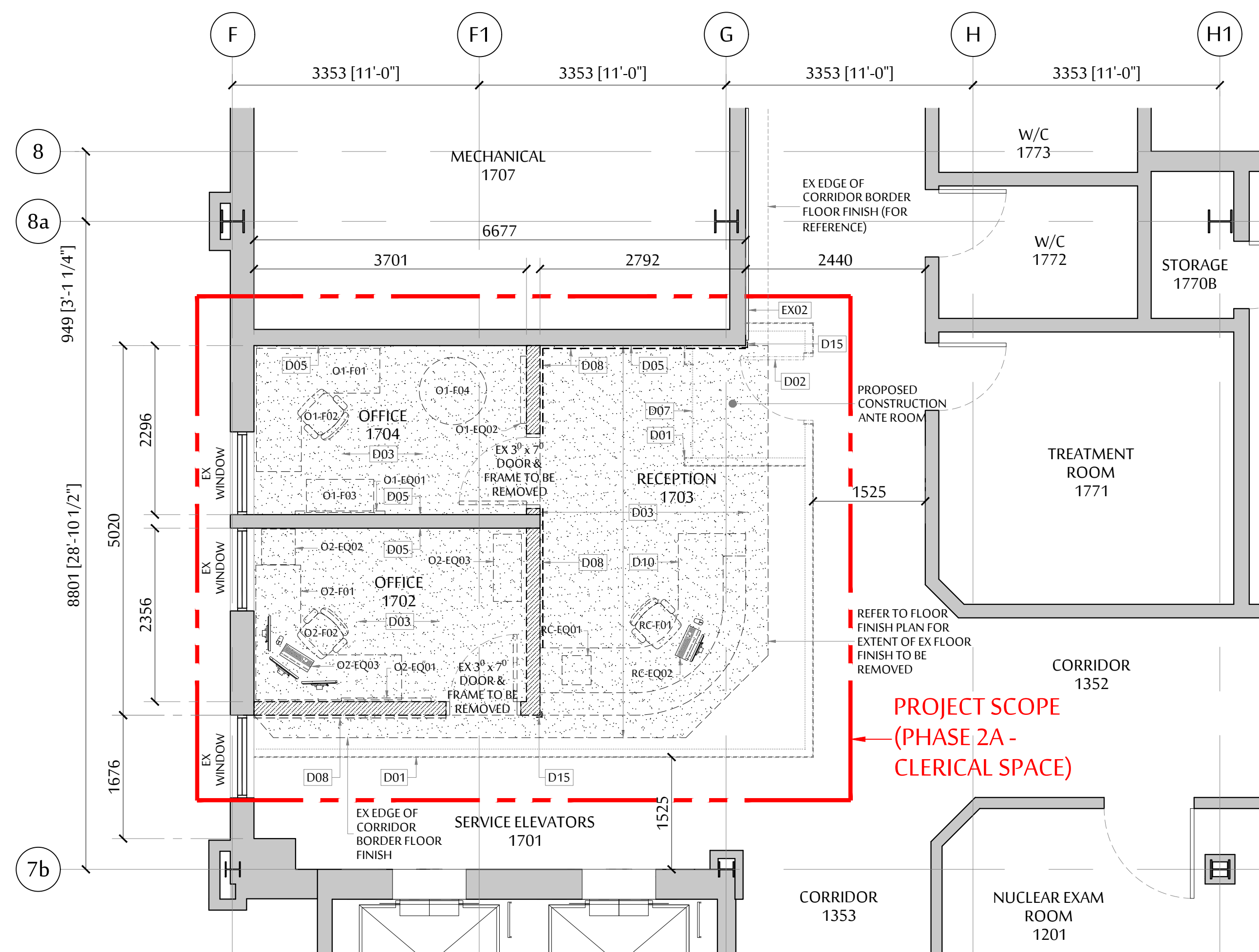
PHASE 2
A1.01



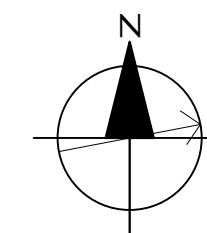
2 PHASE 2B & 2C - DEMOLITION PLAN
SCALE: 1 = 50



PHASE 2B - APPROX. GFA = 54.1 m² (582 ft²)
PHASE 2C - APPROX. GFA = 64.5 m² (694 ft²)



1 PHASE 2A - DEMOLITION PLAN
SCALE: 1 = 50



PHASE 2A - APPROX. GFA
= 35.9 m² (386 ft²)

DEMOLITION KEY NOTES

- EX01 EXISTING LEAD LINING TO REMAIN. EXTENT SHOWN IS ONLY APPROX. DO NOT DAMAGE.
- EX02 EXISTING WOOD WALL GUARD TO REMAIN. DO NOT DAMAGE.
- EX03 EXISTING CORNER GUARD TO REMAIN. DO NOT DAMAGE.
- EX04 EXISTING WASHROOM EQUIPMENT, FIXTURES & FINISHES TO REMAIN U.N.O. DO NOT DAMAGE.
- D001 FULL HT TEMP HOARDING TO UNDERSIDE OF FIN CLNG DURING CONSTRUCTION WITH: - 92 MM STL STUD FRAMING @ 400 MM O/C - 16 MM THK TAPE DRYWALL INSTALLED ON OUTSIDE OF PROJECT AREA - 6 MIL POLY ON INSIDE OF PROJECT AREA
- D002 TEMP 3' X 7' DOOR WITH 12" X 12" VISION PANEL DURING CONSTRUCTION
- D003 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.
- D004 SEAL DOOR EDGES TO MEET INFECTION CONTROL REQUIREMENT DURING CONSTRUCTION.
- D005 REPAIR, PATCH AND MAKE SMOOTH ALL EXISTING DRYWALL TO RECEIVE NEW PAINT FOR FULL LENGTH AND HEIGHT OF WALL
- D006 FOR M&E WORK EXTENDING BELOW THE PROJECT AREA, CONTRACTOR TO REMOVE, REPAIR & REFINISH EXISTING CEILING AS REQ'D.
- D007 TEMP CONTINUOUS 6 MIL POLY ENCLOSURE SECURED & AIR SEALED ON ALL EDGES C/W 864 X 2134 ZIPPER OPENING FOR ACCESS
- D008 EXISTING WALL PROTECTION TO BE REMOVED.
- D009 EXISTING WALL MOUNTED WALL STOP & WD BACKING TO BE REMOVED.
- D010 EXISTING MILLWORK TO BE REMOVED.
- D011 EX SINK TO BE REMOVED - SEE MECH DWGS.
- D012 CONTRACTOR TO ALLOW (1) WEEK FOR ASBESTOS REMOVAL OF EXISTING DUCT ABOVE CEILING TILE BY OWNER.
- D013 RESERVED
- D014 CUT CONC FLOOR SLAB FOR JUNCTION BOX & CONDUIT INSTALLATION. PENETRATION TO BE FIRE STOPPED & SMOKE SEALED AS REQ'D TO MAINTAIN NECESSARY FIRE RATING. - SEE EQUIPMENT, ELEC & STRUCT DWGS FOR EXACT LOCATION, SIZE AND DETAILS
- D015 EXISTING CORNER GUARD TO BE REMOVED.

DEMOLITION GENERAL NOTES

- CONTRACTOR TO PROVIDE ALL DEMOLITION AS REQUIRED FOR NEW WORK.
- OBTAIN APPROVAL FROM HOSPITAL FOR LAYOUT OF TEMP HOARDING AND CONSTRUCT HOARDING PER HOSPITAL'S REQUIREMENTS.
- CONTRACTOR TO PROVIDE ADEQUATE PROTECTION TO ALL EXISTING PROPERTIES DURING DEMOLITION AND CONSTRUCTION
- 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.
- DISPOSAL OF DEMOLISHED MATERIALS MUST BE CARRIED OUT AFTER REGULAR HOURS THROUGH SERVICE CORRIDORS AS PERMITTED BY THE HOSPITAL.
- REMOVAL OF ANY FLOOR FINISHES MUST INCL COMPLETE REMOVAL OF ANY UNDERLAYMENT AND GLUE ADHERED TO THE CONC SLAB.
- ANY ASSOCIATED M&E SERVICES MUST BE DISCONNECTED BEFORE REMOVAL OF ANY WALL, FLOOR AND CEILING.
- 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.
- 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.
- WHERE PENETRATIONS THROUGH CONCRETE SLAB ARE INACCESSIBLE BY SCAN EQUIPMENT, HAND CHIP CONC SLAB TO INVESTIGATE ANY IN SLAB SERVICES.
- 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.
- FIREPROOF AND PATCH EXISTING FIRE RATED WALL, FLOOR AND CEILING OPENING WITHIN PROJECT AREA TO MATCH EXISTING FIRE RATING.
- UNUSED EX OR NEW CONCRETE FLOOR PENETRATIONS MUST BE PATCHED WITH CONCRETE INFILL OF THE SAME THICKNESS AS EXISTING

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8	TENDER ADDENDUM 1	JUNE 10, 2021	RC
7	ISSUED FOR TENDER	JUNE 4, 2021	RC
6	ISSUED FOR 80% CD	MAY 21, 2021	RC
5	ISSUED FOR BP SUBMISSION	MAY 7, 2021	RC
4	NOT ISSUED	-	-
3	NOT ISSUED	-	-
2	ISSUED FOR DD REVIEW	APR 9, 2021	RC
1	ISSUED FOR SCHEMATIC DESIGN REVIEW	MAR 19, 2021	RC

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UHNBC FLUOROSCOPY REPLACEMENT

1475 EDMONTON STREET, PRINCE GEORGE BC V2M 1S2

PHASE 2 - GEN FLUORO LEVEL 1 DEMOLITION PLAN

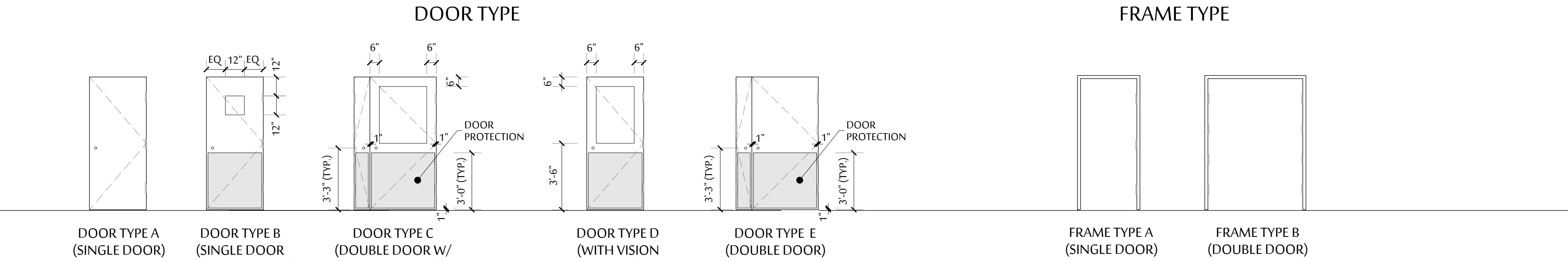
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DATE: OCTOBER 2020
DRAWN: RC
CHECKED: DC
JOB No.: DCYT2009

PHASE 2
A2.01

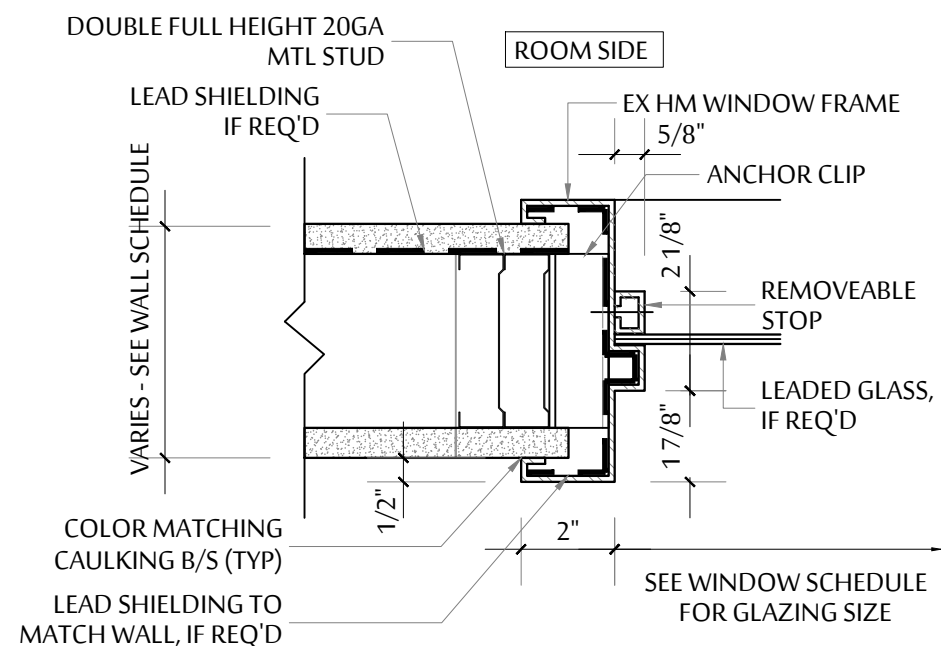
DOOR HARDWARE SCHEDULE				
HARDWARE #	QTY	DESCRIPTION	MANUFACTURER	SPECIFICATION
HW1 (GEN FLUORO ROOM)	8	HINGE	MCKINNEY	4 1/2" X 4 1/2" HEAVY WT MPB68
	1	LOCKSET	SCHLAGE	L9456P-06B - 1/16" (4LB) LEAD LINED ON SITE
	4	DOOR PROTECTION	ACROVYN	ACROVYN 4000 - KICK PLATE - KP-60N (COLOUR: OYSTER GRAY 929) - FIRE RATED
	1	ASTRAGAL	PEMKO	355.5" T" ASTRAGAL - 1/16" (4LB) LEAD LINED ON SITE
	2	DOOR SWEEP	PEMKO	412SRL (ROOM SIDE SURFACE)
	2	FLUSH BOLT	GSH	401
HW2 (CONTROL ROOM)	4	HINGE	MCKINNEY	4 1/2" X 4 1/2" HEAVY WT MPB68
	1	LOCKSET	SCHLAGE	L9456P-06B - 1/16" (4LB) LEAD LINED ON SITE
	1	DOOR SWEEP	PEMKO	412SRL (ROOM SIDE SURFACE)
	1	WALL STOP	GSH	250 (PROVIDE BACKING BEHIND DRYWALL)
	2	DOOR PROTECTION	ACROVYN	ACROVYN 4000 - KICK PLATE - KP-60N (COLOUR: OYSTER GRAY 929) - FIRE RATED
	8	HINGE	MCKINNEY	4 1/2" X 4 1/2" HEAVY WT MPB68
HW3 (RECOVERY ROOM)	1	LOCKSET	SCHLAGE	CLASSROOM LOCK - L9070-06B
	1	AUTOMATIC DOOR OPERATOR	NABCO	GT8500 - OPMAN CONFIGURATION (LARGER OF THE TWO DOOR LEAFS TO CONTAIN AUTOMATIC DOOR OPERATOR) - PULL (INSTALLED ON ROOM SIDE) - CLEAR FINISH - SURFACE APPLIED MOUNTING
	4	DOOR PROTECTION	ACROVYN	ACROVYN 4000 - KICK PLATE - KP-60N (COLOUR: OYSTER GRAY 929) - FIRE RATED
	1	ASTRAGAL	PEMKO	355.5" T" ASTRAGAL
	2	DOOR SWEEP	PEMKO	412SRL (ROOM SIDE SURFACE)
	1	ELECTRIC STRIKE	VON DUPRIN	6200 SERIES - CYLINDRICAL OR MORTISE
HW4 (CLERICAL SPACE)	2	PUSH BUTTON	SEE ELEC SPECS	PUSH BUTTON TO OPERATE AUTOMATIC DOOR CLOSER & ELECTRIC STRIKE
	1	WALL STOP	GSH	250 (PROVIDE BACKING BEHIND DRYWALL)
	2	FLUSH BOLT	GSH	401
	4	HINGE	MCKINNEY	MACPRO MPB79 FULL MORTISE STANDARD WEIGHT BEARING 4 1/2" X 4"
	1	LOCKSET	SCHLAGE	OFFICE AND INNER ENTRY LOCK - L9050P-06B
	1	CLOSER	LCN	4040XP - PULL SIDE & METAL COVER
HW5 (CLERICAL SPACE - OFFICE)	2	DOOR PROTECTION	ACROVYN	ACROVYN 4000 - KICK PLATE - KP-60N (COLOUR: OYSTER GRAY 929) - FIRE RATED
	1	WALL STOP	GSH	250 (PROVIDE BACKING BEHIND DRYWALL)
	1	CARD READER	SEE ELEC SPECS	CARD READER TO OPERATE ELECTRIC STRIKE
	2	DOOR SWEEP	PEMKO	412SRL (ROOM SIDE SURFACE)
	1	ELECTRIC STRIKE	VON DUPRIN	6200 SERIES - CYLINDRICAL OR MORTISE
	1	WALL STOP	GSH	250 (PROVIDE BACKING BEHIND DRYWALL)

DOOR & FRAME SCHEDULE																								
DOOR NUMBER	LOCATION		DOOR TYPE	WIDTH	HEIGHT	THICKNESS	MATERIAL	CORE	FINISH	HARDWARE SET	LEAD LINING	MAT'L	FRAME TYPE	JAMB TYPE	HEAD TYPE	FINISH	LEAD LINING	THRESHOLD	LAM TEMPERED	TEMPERED	GEORGIAN WIRE	LOW-E	FIRE RATING	NOTES
	FROM	TO																						
EX01	NEW GEN FLUORO ROOM	EX RM FOR CT SCAN 1099	A	3'-0"	7'-0"	1 3/4"	WOOD	SOLID	PAINT PT4	EX	EX	HM	EX	EX	EX	PAINT PT4	EX	T1	-	-	-	-	-	
EX02	EX RM FOR CT SCAN 1099	EQUIP RM FOR GEN FLUORO	A	3'-0"	7'-0"	1 3/4"	WOOD	SOLID	PAINT PT4	EX	-	HM	EX	EX	EX	PAINT PT4	EX	T1	-	-	-	-	-	
EX03	NEW RECOVERY ROOM	EX WASHROOM 1122	A	3'-0"	7'-0"	1 3/4"	WOOD	SOLID	PAINT PT4	EX	-	HM	EX	EX	EX	PAINT PT4	EX	T1	-	-	-	-	-	
D01	CORRIDOR 1110	NEW GEN FLUORO ROOM	E	3'-6" + 10"	7'-0"	1 3/4"	WOOD	SOLID	PAINT PT4	HW1	1.6mm (4lb)	HM	B	J1	H1	PAINT PT4	1.6mm (4lb)	T1	-	-	-	-	-	
D02	CORRIDOR 1110	GEN FLUORO CONTROL RM	B	3'-0"	7'-0"	1 3/4"	GLASS & WOOD	SOLID	PAINT PT4	HW2	1.6mm (4lb)	HM	A	J1	H1	PAINT PT4	1.6mm (4lb)	T1	-	X	-	-	-	
D03	CORRIDOR 1135	NEW RECOVERY ROOM	C	3'-6" + 10"	7'-0"	1 3/4"	GLASS & WOOD	SOLID	PAINT PT4	HW3	-	HM	B	J1	H1	PAINT PT4	-	T1	-	X	-	-	-	
D04	CORRIDOR 5 1121	NEW RECOVERY ROOM	C	3'-6" + 10"	7'-0"	1 3/4"	GLASS & WOOD	SOLID	PAINT PT4	HW3	-	HM	B	J1	H1	PAINT PT4	-	T1	-	X	-	-	-	
D05	CORRIDOR 1353	CLERICAL AREA	D	3'-0"	7'-0"	1 3/4"	GLASS & WOOD	SOLID	PAINT PT5	HW4	-	HM	A	J1	H1	PAINT PT5	-	T1	-	X	-	-	-	
D06	CLERICAL AREA	OFFICE	A	3'-0"	7'-0"	1 3/4"	WOOD	SOLID	PAINT PT5	HW5	-	HM	A	J1	H1	PAINT PT5	-	T1	-	-	-	-	-	

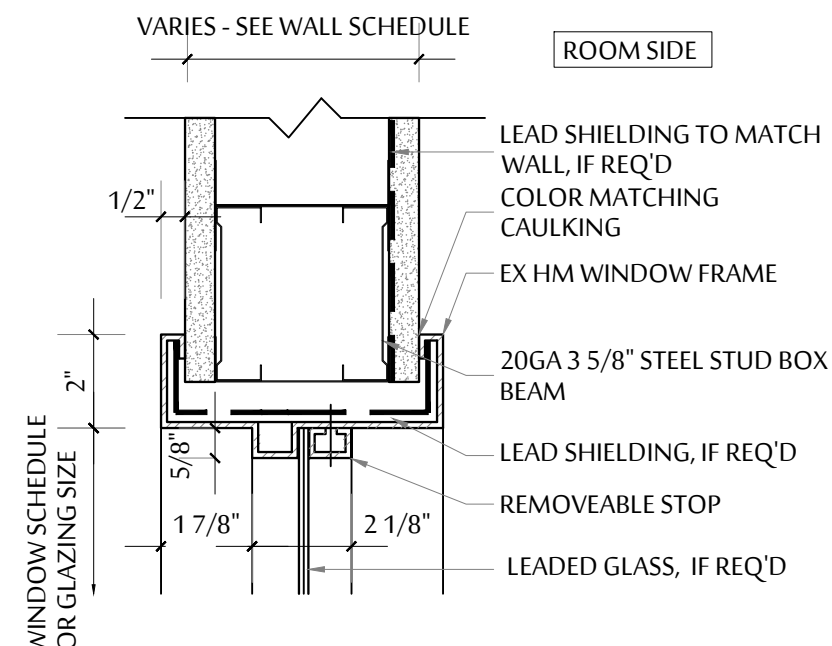
NOTE :
1. RE-KEY ALL EXISTING DOOR LOCKS
2. SEE MECH DWG FOR DETAILS AND SPECS OF TRANSFER GRILLE



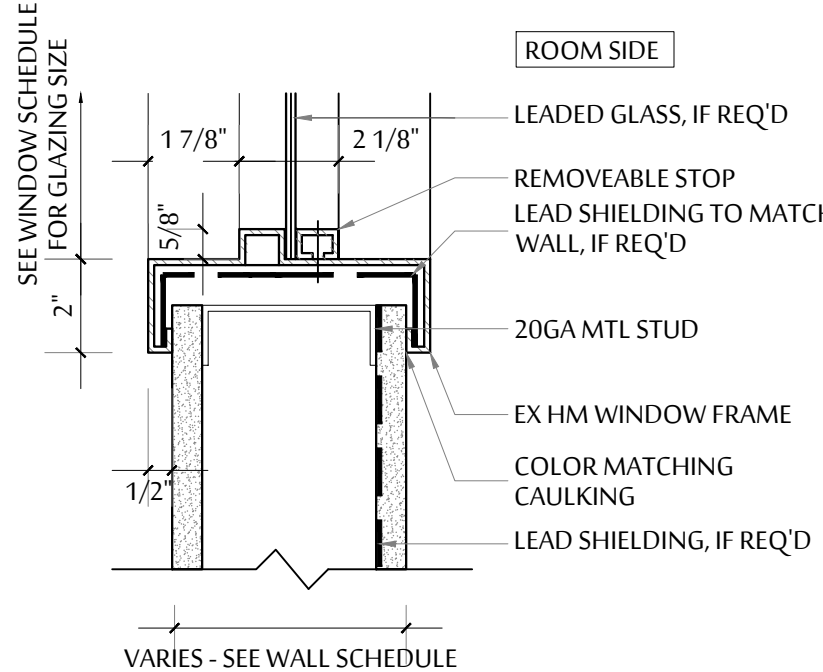
NOTE:
1. SINGLE DOOR FRAME TO COME WITH 3 RUBBER BUMPERS ON SIDE OF FRAME AND DOUBLE DOOR FRAME WITH 2 ON TOP OF FRAME
2. INSTALL IN-WALL PLYWOOD BACKING FOR ALL WALL STOPS



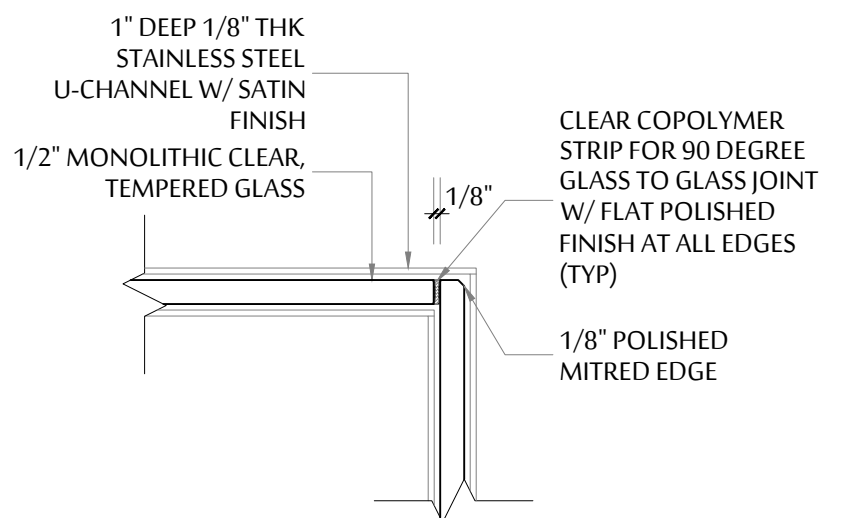
WJ1 HM WINDOW JAMB DETAIL
SCALE: 3" = 1'-0"



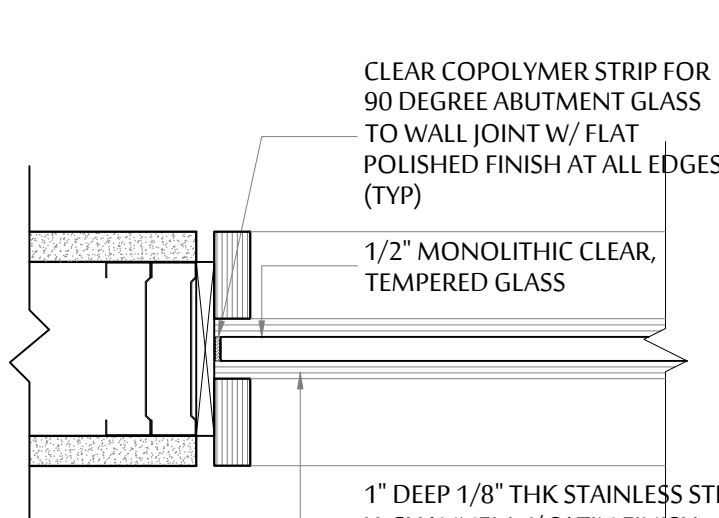
WH1 HM WINDOW HEAD DETAIL
SCALE: 3" = 1'-0"



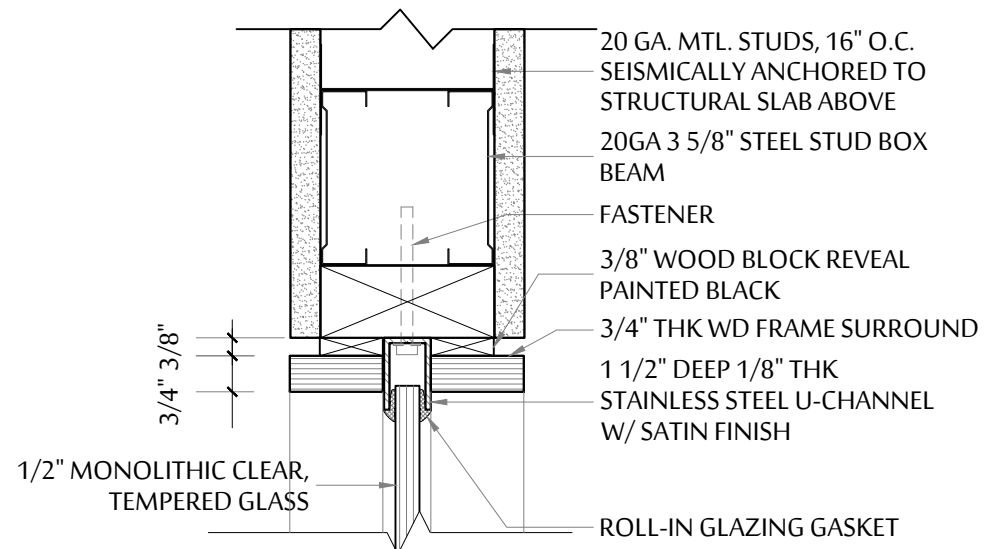
WS1 HM WINDOW SILL DETAIL
SCALE: 3" = 1'-0"



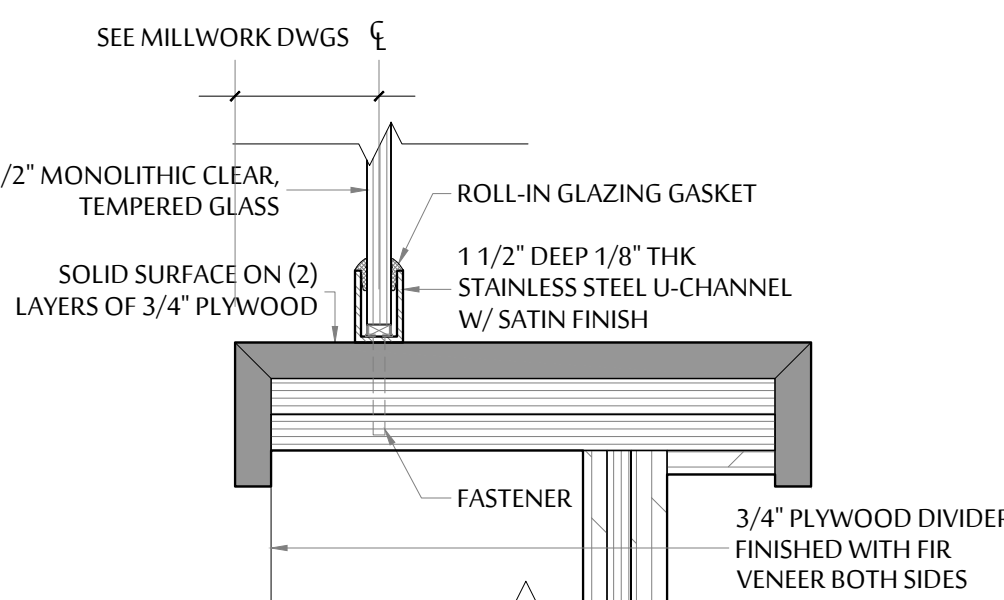
WJ2 U-CHANNEL WINDOW JAMB AT CORNER PLAN DETAIL
SCALE: 3" = 1'-0"



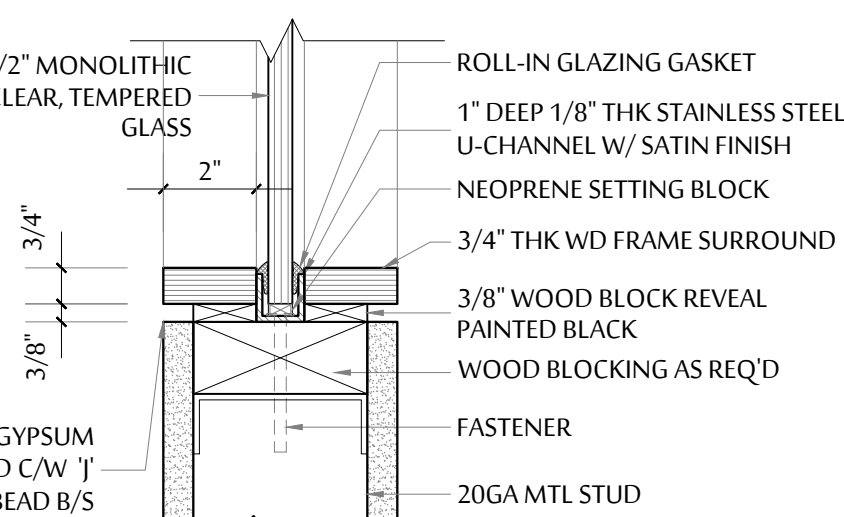
WJ3 U-CHANNEL WINDOW JAMB AT WALL PLAN DETAIL
SCALE: 3" = 1'-0"



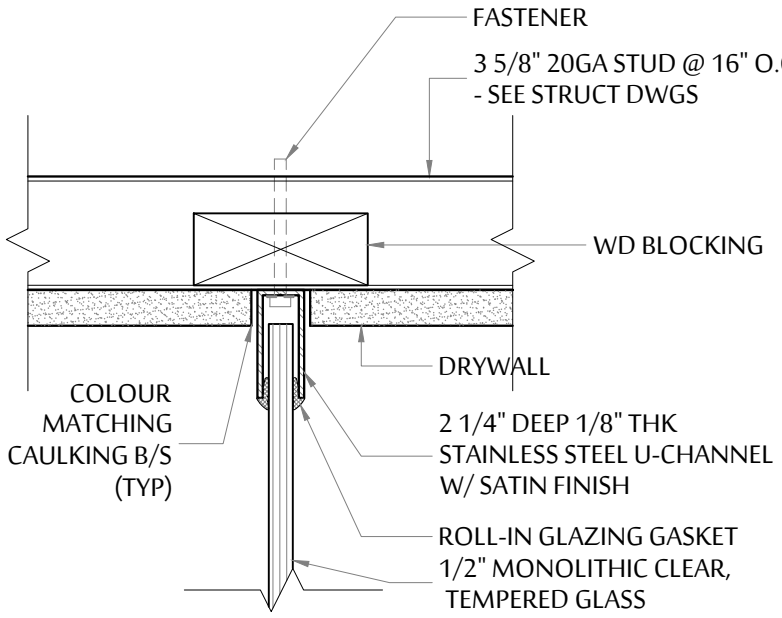
WH2 U-CHANNEL WINDOW HEAD DETAIL 1
SCALE: 3" = 1'-0"



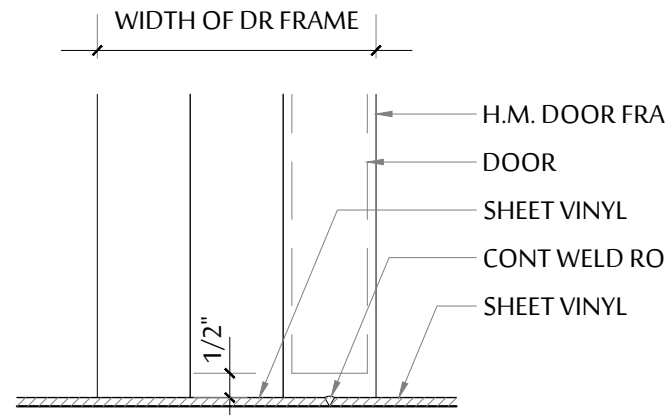
WS3 U-CHANNEL WINDOW SILL DETAIL 2
SCALE: 3" = 1'-0"



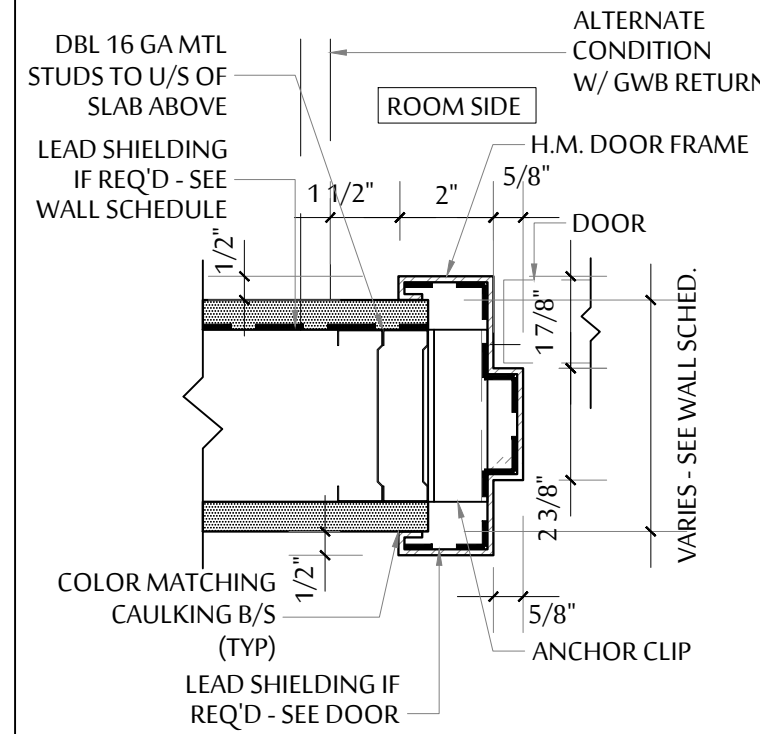
WS2 U-CHANNEL WINDOW SILL DETAIL 1
SCALE: 3" = 1'-0"



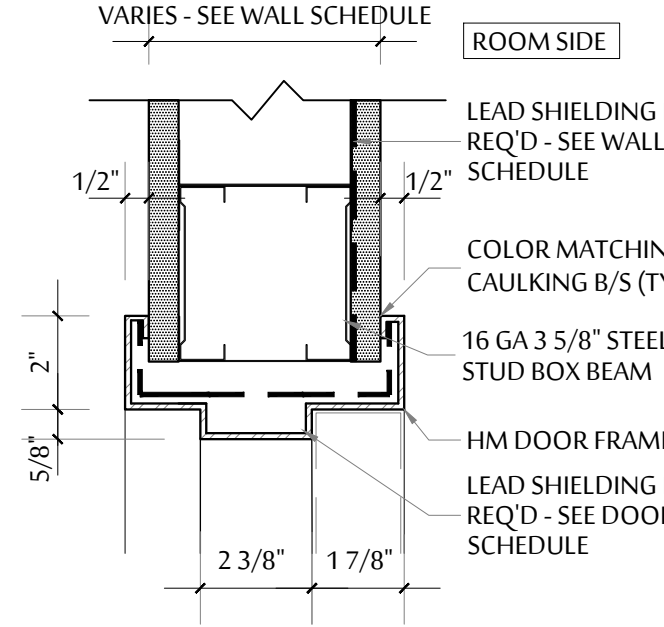
WH3 U-CHANNEL WINDOW HEAD DETAIL 2
SCALE: 3" = 1'-0"



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

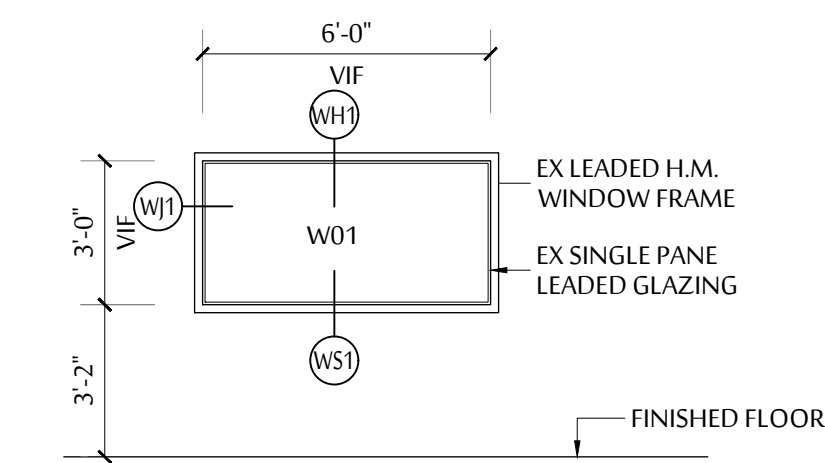


J1 HM DOOR JAMB DETAIL
SCALE: 3" = 1'-0"

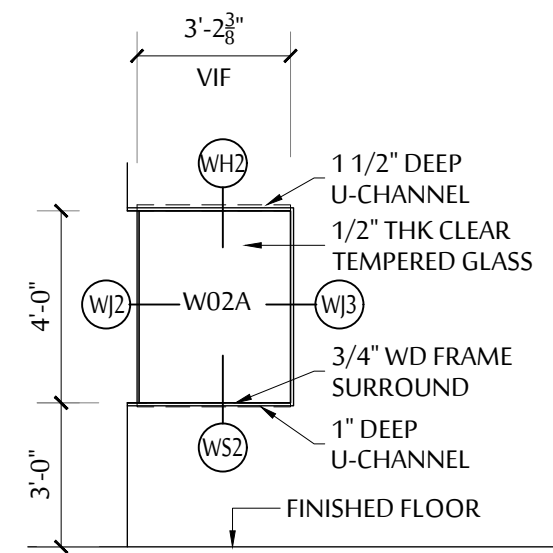


H1 HM DOOR HEAD DETAIL
SCALE: 3" = 1'-0"

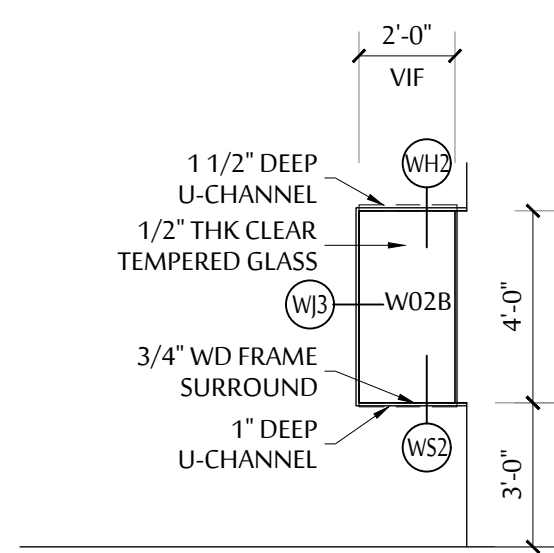
WINDOW SCHEDULE



W01 - EXISTING HM WINDOW WITH 2mm LEAD EQUIVALENT GLASS



W02A - U-CHANNEL WINDOW AT NURSE STATION



W02B - U-CHANNEL WINDOW AT NURSE STATION

W03 - REFER TO MILLWORK DRAWINGS (MW07) FOR DETAILS

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8	TENDER ADDENDUM 1	JUNE 10, 2021	RC
7	ISSUED FOR TENDER	JUNE 4, 2021	RC
6	ISSUED FOR 80% CD	MAY 21, 2021	RC
5	ISSUED FOR RP SUBMISSION	MAY 7, 2021	RC
4	NOT ISSUED	-	-
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 2 - GEN FLUORO DOOR & WINDOW SCHEDULES

SCALE:

AS NOTED

DATE:

OCTOBER 2020

DRAWN:

RC

CHECKED:

DC

JOB No.:

DCYT2009

PHASE 2
A5.02

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ROOM FINISH SCHEDULE

LOCATION		WALL (SEE NOTE 2 & 3)				FLOOR (SEE NOTE 1)	BASE	CEILING	NOTES
RM #	ROOM NAME	NORTH	EAST	SOUTH	WEST				
01	GENERAL FLUORO ROOM	PAINT PT1	PAINT PT1	PAINT PT1	PAINT PT2	SHEET VINYL SV1	INTEGRAL COVE BASE SV1	SUSP CEILING ATC1	SEE A2.04 FOR ACCENT WALL EXTENT
02	CONTROL ROOM	PAINT PT1	PAINT PT2	PAINT 1	PAINT PT1	SHEET VINYL SV1	INTEGRAL COVE BASE SV1	SUSP CEILING ATC1	SEE A2.04 FOR ACCENT WALL EXTENT
03	EQUIPMENT ROOM	PAINT PT1	PAINT PT1	PAINT PT1	PAINT PT1	SHEET VINYL SV1	INTEGRAL COVE BASE SV1	SUSP CEILING ATC1	
04	CORRIDOR 1110	PAINT PT8	PAINT PT8	PAINT PT8	PAINT PT8	SHEET VINYL SV2	INTEGRAL COVE BASE SV2	MATCH EXISTING	
05	RECOVERY ROOM	PAINT PT2	PAINT PT1	PAINT PT2	PAINT PT1	SHEET VINYL SV1	INTEGRAL COVE BASE SV1	SUSP CEILING ATC1	SEE A2.04 FOR ACCENT WALL EXTENT
06	CLERICAL SPACE	PAINT PT1/PT3	PAINT PT1	PAINT PT1	PAINT PT1/PT3	SHEET VINYL SV4	INTEGRAL COVE BASE SV4	SUSP CEILING ATC2	SEE A2.04 FOR ACCENT WALL EXTENT
07	CLERICAL OFFICE	PAINT PT1	PAINT PT1	PAINT PT1	PAINT PT1	SHEET VINYL SV4	INTEGRAL COVE BASE SV4	SUSP CEILING ATC2	
08	CORRIDOR & SERVICE ELEVATOR	PAINT PT8	PAINT PT8	PAINT PT8	PAINT PT8	SHEET VINYL SV5	INTEGRAL COVE BASE SV5	MATCH EXISTING	

- GENERAL NOTES :
1. PATCH & SKIM COAT TO LEVEL EX FLOOR BEFORE INSTALLING SHEET VINYL FLOOR
 2. ALLOW 2 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/AS.04 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 1	PT2	-	DULUX	LIFEMASTER (ZERO VOC)	EMBELLISHMENT - DLX1151-2	SHEEN : EGGSHELL PROVIDE 3' X 3' MOCK UP OF THE ACCENT COLOR ON SITE FOR FINAL DECISION
	WALL - ACCENT COLOR 2	PT3	-	DULUX	LIFEMASTER (ZERO VOC)	TBD	SHEEN : EGGSHELL PROVIDE 3' X 3' MOCK UP OF THE ACCENT COLOR ON SITE FOR FINAL DECISION
	DOOR & FRAME (PHASE 2B & 2C)	PT4	-	DULUX	LIFEMASTER (ZERO VOC)	MOTH GRAY - DLX1024-4	SHEEN : SEMI-GLOSS
	DOOR & FRAME (PHASE 2A)	PT5	-	DULUX	LIFEMASTER (ZERO VOC)	TBD	SHEEN : SEMI-GLOSS
	CEILING	PT6	-	DULUX	LIFEMASTER (ZERO VOC)	DELICATE WHITE - DLX1001-1	SHEEN : FLAT
	WOOD WINDOW FRAME	PT7	-	DULUX	LIFEMASTER (ZERO VOC)	ENDURING ICE - DLX1102-1	SHEEN : SEMI-GLOSS
	WALL - CORRIDOR	PT8	-	DULUX	LIFEMASTER (ZERO VOC)	MATCH EXISTING	SHEEN : MATCH EXISTING
FLOORING	SHEET VINYL - FIELD COLOUR (PHASE 2B & 2C)	SV1	2mm THICK	JOHNSONITE	IQ GRANIT	770 SOFT FLEECE WB	SEE FINISHES PLAN DWG A2.04 FOR EXTENT C/W 6" H INTEGRAL COVE BASE
	SHEET VINYL - CORRIDOR BORDER INFILL (PHASE 2B & 2C)	SV2	2mm THICK	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	SEE FINISHES PLAN DWG A2.04 FOR EXTENT C/W INTEGRAL COVE BASE TO MATCH EXISTING HEIGHT
	SHEET VINYL - EX REPORT 2 1116 (PHASE 2C)	SV3	2mm THICK	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	SEE FINISHES PLAN DWG A2.04 FOR EXTENT C/W INTEGRAL COVE BASE TO MATCH EXISTING HEIGHT
	SHEET VINYL - FIELD COLOUR (PHASE 2A)	SV4	2mm THICK	JOHNSONITE	IQ GRANIT	TBD	SEE FINISHES PLAN DWG A2.04 FOR EXTENT C/W 6" H INTEGRAL COVE BASE
	SHEET VINYL - CORRIDOR BORDER INFILL (PHASE 2A)	SV5	2mm THICK	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	SEE FINISHES PLAN DWG A2.04 FOR EXTENT C/W INTEGRAL COVE BASE TO MATCH EXISTING HEIGHT
MILLWORK	PLAS LAM-BASE CABINET	PL1	-	NEVAMAR	HIGH PRESSURE LAMINATE	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-COUNTER TOP	PL3	-	NEVAMAR	HIGH PRESSURE LAMINATE	GARDEN MIST SG0004-T	FINISH: ARP (T-)
	PLAS LAM-BASE CABINET	PL4	-	NEVAMAR	HIGH PRESSURE LAMINATE	TBD	FINISH: ARP (T-)
	PLAS LAM-UPPER CABINET	PL5	-	NEVAMAR	HIGH PRESSURE LAMINATE	TBD	FINISH: ARP (T-)
	PLAS LAM-COUNTER TOP	PL6	-	NEVAMAR	HIGH PRESSURE LAMINATE	TBD	FINISH: ARP (T-)
	SOLID SURFACING COUNTERTOP	SC1	1/2" THICK	DUPONT CORIAN	DESIGNER	TBD	-
	DOOR HANDLE	DH1	-	RICHELIEU	1076CV	CHROME	-
WALL PROTECTION	CORNER GUARD 90 DEG	CG1a	3" LEG	C/S ACROVYN 4000	SM-20N	#934 PEARL	SEE FLOOR PLAN FOR HEIGHT
	CORNER GUARD 90 DEG	CG1b	3" LEG	C/S ACROVYN 4000	SM-20N	MATCH CORRIDOR WALL	SEE FLOOR PLAN FOR HEIGHT
	CORNER GUARD 90 DEG	CG1c	3" LEG	C/S ACROVYN 4000	SM-20N	TBD	SEE FLOOR PLAN FOR HEIGHT
	CORNER GUARD 135 DEG	CG2	3" LEG	C/S ACROVYN 4000	SM-20MN	MATCH CORRIDOR WALL	SEE FLOOR PLAN FOR HEIGHT
	CRASH RAIL	CR1	8" H	C/S ACROVYN	SCR-80	#934 PEARL	ALUMINUM CLIP, SURFACE MOUNTED
	CRASH RAIL	CR2	5" H	C/S ACROVYN	SCR-50	#934 PEARL	ALUMINUM CLIP, SURFACE MOUNTED
	CRASH RAIL	CR3	MATCH EX	C/S ACROVYN	MATCH EX	MATCH EX	ALUMINUM CLIP, SURFACE MOUNTED
	WALL PROTECTION	WP1	0.06" THK	C/S ACROVYN 4000	-	#934 PEARL	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
	WALL PROTECTION	WP3	0.06" THK	C/S ACROVYN 4000	-	MATCH EX	COMPLETE WITH COLOUR MATCHING CAULKING AT BUTT JOINT & WAINSCOT TRIM ON EXPOSED TOP & SIDES, MATCH EXISTING HEIGHT
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 PRELUDE XL 15/16" EXPOSED TEE	WHITE	SQUARE LAY-IN PANELS NRC : 0.80 / CAC : 35
	SUSPENDED T-BAR	ATC2	15/16"	ARMSTRONG		WHITE	-
	ACOUSTIC CEILING PANEL		24" X 24"	ARMSTRONG	ULTIMA HIGH NRC SQUARE LAY-IN	WHITE	SQUARE LAY-IN PANELS NRC : 0.80 / CAC : 35
PATIENT BAY CURTAIN	CURTAIN	CU1	TBD	TBD	TBD	TBD	TBD
	CURTAIN TRACK	CT1	TBD	TBD	TBD	TBD	TBD
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
	SPEAK-THRU	ST1	5" DIAM.	CRL	TTU1DJB1	SATIN ANODIZED	THRU-GLASS TWO-WAY ELECTRONIC COMMUNICATOR 115V AC MODEL
	HEADWALL SYSTEM	RR-EQ04	4' LONG	AMICO	MAJESTIC SERIES	TBD	MAJESTIC SERIES HORIZONTAL HEADWALL SYSTEM - SINGLE TIER - NO CHASE SEE DWG A4.02 FOR LOCATION, INSTALLATION HEIGHT AND DESIGN PROVIDE IN WALL BACKING AS RECOMMENDED BY MANUFACTURER

8	TENDER ADDENDUM 1		
7	ISSUED FOR TENDER	JUNE 10, 2021	RC
6	NOT ISSUED	-	-
5	NOT ISSUED	-	-
4	NOT ISSUED	-	-
3	NOT ISSUED	-	-
2	NOT ISSUED	-	-
1	NOT ISSUED	-	-
No.	REVISION	DATE	BY

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UHNBC FLUOROSCOPY REPLACEMENT

1475 EDMONTON STREET, PRINCE GEORGE BC V2M 1S2

PHASE 2 - GEN FLUORO ROOM, FINISHES & FIXTURES SCHEDULES

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

PHASE 2
A5.03

NEW FURNITURE & EQUIPMENT SCHEDULE							
ROOM	CODE	UNIT	#	NEW OR EXISTING	ACTION	PERSON RESPONSIBLE TO COORDINATE	NOTES
GENERAL FLUOROSCOPY ROOM	IR-EQ01 (PH1)	CONTRAST WARMER	1	EXISTING	RELOCATED	ROMA	N/A
	GFR-EQ01	HAND SANITIZER	1	NEW/EXISTING	RELOCATED/PURCHASE	ROMA	CONTRACTOR
	GFR-EQ02	SOAP DISPENSER	1	NEW/EXISTING	RELOCATED/PURCHASE	ROMA	CONTRACTOR
	GFR-EQ03	PAPER TOWEL DISPENSER	1	NEW/EXISTING	RELOCATED/PURCHASE	ROMA	CONTRACTOR
	GFR-EQ04	ACRYLIC GLOVE DISPENSER	3	NEW/EXISTING	RELOCATED/PURCHASE	ROMA	CONTRACTOR
	GFR-EQ05	MEDICAL STORAGE CABINET	4	NEW	PURCHASE	CONTRACTOR	CONTRACTOR
CONTROL ROOM	GFR-EQ06	ROLLBOARD	1	NEW	PURCHASE	ROMA	N/A
	GF-F02	MOBILE S/S CART	1	EXISTING	RELOCATED	ROMA	N/A
	CR2-EQ04	SCANNER	1	EXISTING	RELOCATED	ROMA	N/A
EX CORRIDOR 1110	CR2-F01	TASK CHAIR	2	EXISTING	RELOCATED	ROMA	N/A
	CR3-EQ01	HAND SANITIZER	1	NEW/EXISTING	RELOCATED/PURCHASE	ROMA	CONTRACTOR
	CO-EQ02	LOCKERS	4	EXISTING	RELOCATED	ROMA	CONTRACTOR
RECOVERY ROOM	UK-EQ02	LOCKERS	4	EXISTING	RELOCATED	ROMA	CONTRACTOR
	R-EQ01 (PH1)	STRETCHER	3	EXISTING	RELOCATED	ROMA	N/A
	R-EQ02 (PH1)	OVERBED TABLE	4	EXISTING	RELOCATED	ROMA	N/A
	R-EQ03 (PH1)	IV STAND	4	EXISTING	RELOCATED	ROMA	N/A
	R-EQ04 (PH1)	PATIENT MONITOR	3	EXISTING	RELOCATED	ROMA	CONTRACTOR
	R-EQ06 (PH1)	MINI FRIDGE	1	EXISTING	RELOCATED	ROMA	N/A
	R-EQ10 (PH1)	MOBILE CART	1	EXISTING	RELOCATED	ROMA	N/A
	R-EQ16 (PH1)	COMPUTER	2	EXISTING	RELOCATED	ROMA	N/A
	RR-EQ01	NARCOTICS SAFE	1	EXISTING	RELOCATED	ROMA	CONTRACTOR
	RR-EQ02	PATIENT MONITOR	1	NEW	PURCHASE	ROMA	CONTRACTOR
	RR-EQ03	STRETCHER	1	NEW	PURCHASE	ROMA	CONTRACTOR
	RR-EQ04	HEADWALL SYSTEM	4	NEW	PURCHASE	CONTRACTOR	CONTRACTOR
	RR-EQ05	HAND SANITIZER	1	NEW/EXISTING	RELOCATED/PURCHASE	ROMA	CONTRACTOR
	RR-EQ06	SOAP DISPENSER	1	NEW/EXISTING	RELOCATED/PURCHASE	ROMA	CONTRACTOR
	RR-EQ07	PAPER TOWEL DISPENSER	1	NEW/EXISTING	RELOCATED/PURCHASE	ROMA	CONTRACTOR
	RR-EQ08	ACRYLIC GLOVE DISPENSER	3	NEW/EXISTING	RELOCATED/PURCHASE	ROMA	CONTRACTOR
	R-F01 (PH1)	DESK	1	EXISTING	RELOCATED	ROMA	N/A
	R-F02 (PH1)	TASK CHAIR	1	EXISTING	RELOCATED	ROMA	N/A
	R-F03 (PH1)	SIDE CHAIR	4	EXISTING	RELOCATED	ROMA	N/A
CLERICAL AREA	RC-EQ01	PRINTER	1	EXISTING	RELOCATED	ROMA	N/A
	CA-EQ01	COMPUTERS	4	EXISTING	RELOCATED	ROMA	N/A
	CA-EQ02	FILE CABINET	3	NEW/EXISTING	RELOCATED/PURCHASE	ROMA	N/A
	CA-F01	TASK CHAIR	2	EXISTING	RELOCATED	ROMA	N/A
CLERICAL AREA - OFFICE	CO-EQ01	COMPUTER	1	EXISTING	RELOCATED	ROMA	N/A
	CO-EQ02	BULLETIN BOARD	1	EXISTING	RELOCATED	ROMA	CONTRACTOR
	CO-EQ03	FILE CABINET	2	EXISTING	RELOCATED	ROMA	N/A
	CO-F01	TASK CHAIR	1	EXISTING	RELOCATED	ROMA	N/A
	CO-F02	DESK	1	EXISTING	RELOCATED	ROMA	N/A
NOTES : 1. EQUIPMENT & FURNITURE TO BE SUPPLIED, DELIVERED & ASSEMBLED BY OWNER U.N.O. CONTRACTOR TO COORDINATE WORK AND PROVIDE INSTALLATION AS INDICATED IN THE LIST ABOVE.							

EXISTING FURNITURE & EQUIPMENT SCHEDULE (REFER TO DEMO PLAN)							
ROOM	CODE	UNIT	#	ACTION	PERSON RESPONSIBLE TO MAKE ARRANGEMENT	PERSON RESPONSIBLE FOR REMOVAL (IF REQ'D)	NOTES
EX INTER FLUOROSCOPY 1104	IR-EQ01	CONTRAST WARMER	1	RELOCATE	ROMA	N/A	-
	IR-EQ02	MEDICAL STORAGE CABINET	2	STORAGE	ROMA	N/A	-
	IR-EQ03	HAND SANITIZER	1	RELOCATE	ROMA	CONTRACTOR	WD BACKING TO BE REMOVED
	IR-EQ04	SOAP DISPENSER	1	RELOCATE	ROMA	CONTRACTOR	WD BACKING TO BE REMOVED
	IR-EQ05	PAPER TOWEL DISPENSER	1	RELOCATE	ROMA	CONTRACTOR	WD BACKING TO BE REMOVED
	IR-EQ06	ACRYLIC GLOVE DISPENSER	3	RELOCATE	ROMA	CONTRACTOR	WD BACKING TO BE REMOVED
EX CONTROL ROOM 1105	CR1-EQ01	HAND SANITIZER	1	RELOCATE	ROMA	CONTRACTOR	WD BACKING TO BE REMOVED
	CR1-EQ02	CURTAIN & ROD	1	REMOVE	CONTRACTOR	CONTRACTOR	-
	CR1-EQ03	WINDOW BLINDS	1	REMOVE	CONTRACTOR	CONTRACTOR	-
	CR1-EQ04	BULLETIN BOARD	1	RELOCATE	ROMA	CONTRACTOR	-
	CR1-EQ05	U/C MOBILE FILE CABINET	1	RELOCATE	ROMA	N/A	-
	CR1-EQ06	COMPUTERS	3	RELOCATE	ROMA	N/A	-
	CR1-F01	TASK CHAIR	2	RELOCATE	ROMA	N/A	-
	LK-EQ01	BLANKET WARMER	1	RELOCATE	ROMA	N/A	-
EX LOCKERS 1106	LK-EQ02	LOCKERS	4	RELOCATE	ROMA	CONTRACTOR	WD BACKING TO BE REMOVED
	CO-EQ01	BULLETIN BOARD	2	RELOCATE	ROMA	CONTRACTOR	WD BACKING TO BE REMOVED
EX CORRIDOR 1110	CO-EQ02	LOCKERS	4	RELOCATE	ROMA	CONTRACTOR	WD BACKING TO BE REMOVED
	RN-EQ01	BULLETIN BOARD	1	RELOCATE	ROMA	CONTRACTOR	WD BACKING TO BE REMOVED
EX CLINICAL RESOURCE NURSE OFFICE 1098	RN-EQ02	COMPUTERS	4	RELOCATE	ROMA	N/A	-
	RN-F01	TASK CHAIR	2	RELOCATE	ROMA	N/A	-
	RN-F02	FILE CABINET	1	RELOCATE	ROMA	N/A	-
	RN-F03	U/C MOBILE FILE CABINET	2	RELOCATE	ROMA	N/A	-
EX SUPPLY ROOM 1115	SR-EQ01	WIRE METAL SHELVING	7	RELOCATE	ROMA	CONTRACTOR	WD BACKING TO BE REMOVED
	SR-EQ02	CATHETER FOLLY	6	RELOCATE	ROMA	CONTRACTOR	WD BACKING TO BE REMOVED
	SR-EQ03	MOBILE CRASH CART	1	RELOCATE	ROMA	N/A	-
EX GENERAL FLUOROSCOPY 1104	GF-EQ01	HAND SANITIZER	1	RELOCATE	ROMA	CONTRACTOR	WD BACKING TO BE REMOVED
	GF-EQ02	HOOKS	2	RELOCATE	ROMA	CONTRACTOR	WD BACKING TO BE REMOVED
	GF-EQ03	SOAP DISPENSER	1	RELOCATE	ROMA	CONTRACTOR	WD BACKING TO BE REMOVED
	GF-EQ04	PAPER TOWEL DISPENSER	1	RELOCATE	ROMA	CONTRACTOR	WD BACKING TO BE REMOVED
	GF-F01	FILE CABINET	1	RELOCATE	ROMA	N/A	-
	GF-F02	MOBILE S/S CART	1	RELOCATE	ROMA	N/A	-
EX CONTROL ROOM 1113	CR2-EQ01	ACRYLIC GLOVE DISPENSER	1	RELOCATE	ROMA	CONTRACTOR	WD BACKING TO BE REMOVED
	CR2-EQ02	BULLETIN BOARD	1	RELOCATE	ROMA	CONTRACTOR	-
	CR2-EQ03	COMPUTERS	3	RELOCATE	ROMA	N/A	-
	CR2-EQ04	SCANNER	1	RELOCATE	ROMA	N/A	-
	CR2-F01	TASK CHAIR	2	RELOCATE	ROMA	N/A	-
	CR2-F02	SHELVING UNIT	1	RELOCATE	ROMA	N/A	-
EX WASHROOM 1122	WR-EQ01	GRAB BAR	1	REMAIN	N/A	N/A	-
	WR-EQ02	SOAP DISPENSER	1	REMAIN	N/A	N/A	-
	WR-EQ03	PAPER TOWEL DISPENSER	1	REMAIN	N/A	N/A	-
EX RECEPTION 1703	RC-EQ01	PRINTER	1	RELOCATE	ROMA	N/A	-
	RC-EQ02	COMPUTER	1	RELOCATE	ROMA	N/A	-
	RC-F01	TASK CHAIR	1	RELOCATE	ROMA	N/A	-
EX OFFICE 1704	O1-EQ01	BULLETIN BOARD	1	RELOCATE	ROMA	CONTRACTOR	WD BACKING TO BE REMOVED
	O1-EQ02	TELEVISION	1	RELOCATE	ROMA	CONTRACTOR	WD BACKING TO BE REMOVED
	O1-F01	DESK	1	RELOCATE	ROMA	N/A	-
	O1-F02	TASK CHAIR	1	RELOCATE	ROMA	N/A	-
	O1-F03	FILE CABINET	1	RELOCATE	ROMA	N/A	-
EX OFFICE 1702	O1-F04	SIDE TABLE	1	RELOCATE	ROMA	N/A	-
	O2-EQ01	BULLETIN BOARD	1	RELOCATE	ROMA	CONTRACTOR	WD BACKING TO BE REMOVED
	O2-EQ02	MINI FRIDGE	1	RELOCATE	ROMA	N/A	-
	O2-EQ03	COMPUTER	3	RELOCATE	ROMA	N/A	-
	O2-F01	DESK	1	RELOCATE	ROMA	N/A	-
	O2-F02	TASK CHAIR	1	RELOCATE	ROMA	N/A	-
	O2-F03	FILE CABINET	1	RELOCATE	ROMA	N/A	-
NOTES : 1. LISTED FURNITURE AND EQUIPMENT MAY NOT BE COMPLETE. CONTRACTOR IS RESPONSIBLE TO COORDINATE THE ARRANGEMENT AND REMOVAL (IF REQ'D) OF ALL FURNITURE AND EQUIPMENT NOT LISTED ABOVE.							

ARCHITECT :



WWW.DCYTARCHITECTURE.CA

8	TENDER ADDENDUM 1		
7	ISSUED FOR TENDER	JUNE 10, 2021	RC
6	NOT ISSUED	-	-
5	NOT ISSUED	-	-
4	NOT ISSUED	-	-
3	NOT ISSUED	-	-
2	NOT ISSUED	-	-
1	NOT ISSUED	-	-
No.	REVISION	DATE	BY

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UHNBC
FLUOROSCOPY
REPLACEMENT

1475 EDMONTON STREET, PRINCE GEORGE
BC V2M 1S2

PHASE 2 - GEN FLUORO
FURNITURE & EQUIP.
SCHEDULES

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

PHASE 2
A5.05

01 10 00 GENERAL REQUIREMENTS

1. Construction Documents, Pricing and Contract:

- 1.1. All Enquiries related to these documents, including any requests for information and clarification and to note any discrepancies, omissions or incompleteness, are to be directed by email to the Architect.
- 1.2. Proposed alternatives to the specified materials, along with a full description and justification for the alternative, may be submitted in writing to the Architect for approval.
- 1.3. At time of pricing, Contractor is responsible to visit and carefully examine the site, the access thereto, all existing conditions, utilities and services (including but not limited to) and to be aware of all existing and all limitations and difficulties which may be encountered. No claim will be allowed or entertained for any work or material that may be required for the proper execution and completion of the work that should be uncovered during the site examination.
- 1.4. Form of Contract : Canadian Construction Documents Committee CDOC22/2008 Stipulated Price Contract and Supplementary Conditions as listed on this documents

2. Owner's Rules and Regulations:

- 2.1. Contractor shall conform to **CSA Z317.13-17** "Infection control during construction, renovation, and maintenance of health care facilities".

3. Site Conditions:

- 3.1. Site will be occupied and remain in use throughout the duration of Work.
- 3.2. All work required to be out of normal hours shall be coordinated with and shall have prior approval of the owner.
- 3.3. The Contractor shall not disturb existing building(s) or site service(s) or cause inconvenience to the Owner or to patients, residents or staff without the Owner's prior written approval.

4. Work Safety:

- 4.1. The Contractor and Subcontractors in performing the work shall comply with **any** Workplace Health & Safety Programs in place as required by the **Owner**
 - 4.2. The Contractor is responsible for ensuring that work is performed in a safe manner per Worksafe BC Occupational Health & Safety Regulations (WSBC OHSR).
5. Labor Rules : It is the responsibility of the Contractor and his Subcontractors to ascertain the labour conditions existing on the site(s), with particular reference to union or non-union labour, and to comply with these conditions. The cost of doing so shall be included in the bid price.

6. Codes, Permits & Inspections:

- 6.1. A building permit will be obtained by **Owner or Architect**.
- 6.2. The Contractor shall obtain all other permits and pay all fees relating to the Work to all authorities having jurisdiction.
- 6.3. Specific Hospital's rules & regulations as required by the hospital shall be adhered to by the Contractor.

7. Parking : Unless noted otherwise, no on-site parking will be allowed. Contractor and sub-contractors are to arrange parking arrangement at no cost to the **Owner**.

8. Material and Equipment Transportation:

- 8.1. Elevators may not be available to Contractor for movement of construction materials or demolition debris. Contractor shall coordinate and obtain approval from **Owner** if elevators are required.
- 8.2. Where material or equipment is being transported within the existing building(s) on carts or pallets, such carts or pallets shall have non-marking tires.

9. Garbage Removal : The Contractor shall be responsible for the removal of all rubbish and waste on a daily basis at a time approved by the **Owner** and shall permit no accumulation of rubbish and/or waste at any time.

10. Salvage Materials:

- 10.1. Salvaged material and equipment, specified to accrue to the Owner, shall be protected from dust, moisture and other damage, and delivered to the **Owner** at a time and place agreed by the **Owner**.
- 10.2. Salvaged material and equipment specified for reinstallation shall be protected and refurbished to the Owner's satisfaction.
- 10.3. All other salvageable material and equipment shall become the property of the Contractor and shall be removed from the site immediately.

11. Existing Services Connections and Disruptions:

- 11.1. The Contractor is responsible for verifying the location of all existing services before performing work in any area.
- 11.2. Contractor to coordinate shutdown of existing services with the **Owner** and obtain approval from **Owner seven (7) Working Days** prior to shut down.
- 11.3. If, because of the **Owners** operation, it is required that the work be done outside of normal working hours, the cost of such overtime incurred by the Contractor will be the Contractor's responsibility.

12. Final Clean Up:

- 12.1. The Contractor shall examine and clean all fixtures and installations to produce intended appearance and use; remove all paint spots, stains, rubbish, debris, tools and equipment from all areas, and leave in final class order.
- 12.2. The Contractor shall wash down and dry all floors, stairs and wall surfaces; brush off, dust and polish all ledges, stairs, steps, etc.; clean and polish all glass, mirrors, and remove all paint, putty and dirt.

13. Site Meetings:

- 13.1. The Contractor shall convene regularly scheduled construction meetings to expedite the Work with representative of the Contractor, Mechanical Subcontractor, Electrical Subcontractor, Owner's representative(s) and all Consultant(s) present.
- 13.2. Minutes shall be taken by the Contractor and issued to each of the above-mentioned persons, no later than **three (3) Working Days** after each meeting.

14. Fire Regulations:

- 14.1. Contractor and its Subcontractors shall promote fire prevention in their Work and comply with the fire regulations. Hoarding and site must match the fire dept regulations of the authority having jurisdiction.
- 14.2. The Contractor will provide fire extinguishers as required during construction per local codes and the provisions of WSBC OHSR in order to provide a safe workplace.
- 14.3. Contractor shall post a construction fire safety plan consisting of fire response procedures, fire prevention procedures and evacuation route plans. Plans must be approved by the local Authority Having Jurisdiction.
- 14.4. Any 'hot work' shall be performed in accordance with Owner's Hot Work Program. The Contractor will request a Hot Work Permit from the Owner whenever hot work is to be conducted.

15. Noise and Vibrations:

- 15.1. Excessively noisy construction activities that could affect the normal operation of the Hospital or patients shall be scheduled in advance with the Owner's representative.
- 15.2. The Contractor shall at all times comply with Part 7 of WSBC OHSR and local municipality or jurisdictions' requirements for noise abatement

16. Hazardous Materials:

- 16.1. Contractors must comply with WSBC OHSR and Workplace Hazardous Materials Information System (WHMIS) for all Hazardous Materials used at the worksite.
 - 16.2. All hazardous products must be labeled in accordance to WHMIS regulations.
 - 16.3. 72-hour advance notice must be provided if temporary relocation of workers is required.
 - 16.4. Adequate ventilation must be provided for the type and quantity of controlled product used.
17. Asbestos:
- 17.1. Asbestos Containing Materials (ACM) may be encountered at worksites.
 - 17.2. If ACM is suspected at the project area, Contractor must stop work, report to **Consultant** and request for instruction.
 - 17.3. Safe work procedures, in accordance to WSBC and **Owner** requirements, must be followed for all work conducted in areas where asbestos may be contacted or disturbed.
 - 17.4. A qualified asbestos abatement contractor must do the removal, encapsulation and enclosure of ACM.

18. Occupational First Aid

- 18.1. The Contractor shall arrange for the provision of occupational first aid at the worksite as per the requirements of WSBC OHSR.

01 15 10 INFECTION CONTROL

1. References

- 1.1. Canadian Standards Association (CSA).
- 1.1.1. **CAN/CSA Z317.13-17** "Infection control during construction, renovation, and maintenance of health care facilities".
- 1.2. American Society of Heating Refrigeration and Air-Conditioning Engineers (ASHRAE):
 - 1.2.1. 52.2-2007: "Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size".
 - 1.2.2. ASHRAE 62-1:2007: "Ventilation for Acceptable Indoor Air Quality".

2. Occupancy & Construction Schedule

- 2.1. Apply special procedures specified under this section to suit **Owner's** occupancy and construction schedule.
- 2.2. Adjacent Owner Occupied Areas:
 - 2.2.1. All **Hospital** building areas will remain occupied & functional during the work.
 - 2.2.2. Maintain special procedures in effect to protect occupied areas.
- 2.3. Maintain special procedures in effect to protect occupied areas:
 - 2.3.1. During construction and clean-up operations
 - 2.3.2. Until substantial completion of the Work.

3. Co-ordination and Co-operation with the Owner's Infection Control.
 - 3.1. Co-operate with the Owners Infection Control Practitioner and Team to coordinate the special procedures work with the Hospital's Infection Control.
 - 3.2. Immediately modify special Procedures Operations as necessary to ensure compliance with the requirements of this section.
 - 3.3. Owners designated infection control specialist has the authority to close down the site due to non-compliance with the requirements of this section.

4. Infection Control Plan, if applicable

- 4.1. Within **seven (7) Working Days** of award and prior to commencement of the Work, submit to the **Consultant** for review and acceptance by the **Owner**, the Contractor's Site specific Infection Control Plan, outlining in detail, the methods, operations and controls which shall be used during the construction to meet the requirements specified under this Section.
- 4.2. Acceptance by the **Owner**, of the contractor's Infection control plan, indicates only that the Contractor has indicated an understanding and knows the requirements of these special procedures specified for infection control during the Work.
- 4.3. Testing: the **Owner** reserves the right to test efficiency of the Infection control measures.
- 4.4. A copy of the site specific Infection control plan shall be kept on the site at all times and made available to **Hospital** staff upon request. The Contractor shall provide a location for daily infection control review log to be maintained at the entrance to the construction zone.
- 4.5. No work will be permitted to progress on the site until such time as the infection control plan has been reviewed and accepted by the **Owner**.

5. Project Conditions, if applicable

- 5.1. Class IV preventive measure (includes classes I, II, and III) are required in accordance with **CAN/CSA Z317.13-17** and as indicated:
 - 5.1.1. Where conflict between this Section and the referenced **CSA** standard occurs, this Section will prevail.
- 5.2. Provide air movement from adjacent areas into the Work area that exceeds 10m/min.
- 5.3. Provide negative pressure differential between Work area and adjacent areas of no less than 7.5 Pa.
- 5.4. Provide continuous digital pressure gauge monitor with printout capabilities.
- 5.5. Total particulate and fungal spore concentration measure in the Work area after construction and in occupied areas during or after construction are not to exceed prescribed construction concentrations or an adjacent control sample as deemed appropriate by the **Owner**.

6. Existing Conditions

- 6.1. Should material resembling mould, or other type of fungi, be encountered in the course of Work, notify the **Consultant** immediately. The Contractor shall not disturb any existing mould or fungi until approval has been received from the **Consultant**.

7. Environmental - Biological Air Sampling

- 7.1. Air sampling to be performed and paid for in accordance with Section 01 00 00 - General Requirements.
- 7.2. Coordinate collection of initial and clearance air sampling with the **Consultant**.
- 7.3. Initial air sampling to establish baseline of existing airborne contaminants for comparison during construction sampling and clearance sampling. Initial air sampling shall include outdoor samples for comparative analysis.

8. Worker and Visitor Protection

- 8.1. Provide disposable type protective clothing to workers and authorized visitors in use of protective clothing.
- 8.2. Instruct workers and authorized visitors in use of protective clothing.
- 8.3. Instruct workers and authorized visitors in proper procedures to be followed in entering into and exiting from the Work area.
- 8.4. Provide posted notice at all entrances to the construction area indicating proper procedure and requirements for specialized protective equipment.

9. Control Procedures for Ventilation

- 9.1. It is expected that the Work of this Contract will generate more than normal dust particles into the atmosphere around the Hospital.
- 9.2. The Contractor will monitor the building ventilation system and replace filters in the main building ventilation intakes to suit.
- 9.3. The Contractor will, in addition, adjust the building systems to provide positive air pressure in rooms deemed sensitive for infection control.

10. Work Required in Existing Hospital Building, if applicable

- 10.1. Ensure that construction workers wear protective clothing that is removed each time they leave the construction site before going into the Hospital.
- 10.2. Construct Anti-Room at the entrance(s) to work areas designated for use by the Contractor in accordance with **CAN/CSA Z317.13-17**.
- 10.3. No access will be permitted directly between the Work area and the Hospital building except by permission of the Hospital, and after decontamination as recommended by the referenced standard.
- 10.4. Provide booties, germicidal spray and Walk-off Mats.
- 10.5. Use designated entrance(s) (only) as indicated on drawings for access to existing building.
- 10.6. Contractor's staff shall minimize access to common areas of the project site. Whenever access is required, the Contractor shall ensure that appropriate cleaning procedures are followed. Unrestricted access is acceptable for emergency health care purposes only.

11. Materials

- 11.1. Provide construction materials and assemblies to meet requirements of this Section.

12. Equipment

- 12.1. Air scrubber: provide portable air filtration and isolation control equipment with minimum peak airflow of 1800 cfm and multi-stage filtration as follows:
 - 12.2. First stage - coarse particulate pre-filter
 - 12.3. Second stage - pleated pre-filter
 - 12.4. Third stage - carbon filter for odors
 - 12.5. Final stage - 99.97% at 0.3um level HEPA filter
- 12.2. Acceptable Airborne: 3-hum-Aire PA2000 HC as manufactured by "Aerobac Technologies Inc.", (800-327-6449) or approved equivalent.
- 12.7. Provide fans, filters and ductwork to provide air movement and maintain negative pressure as indicated.
- 12.8. Equipment to be certified within past 12 months. Submit documentation to Hospital prior to construction.

13. Preparation

- 13.1. Verify established travel patterns for construction workers with the **Consultant and Owner**.

14. Dust and Particulate Control

- 14.1. Execute the Work by methods to minimize raising dust from construction operations.
- 14.2. Use drop sheets to control dust.
- 14.3. Control dust by water-mist during surface while cutting.
- 14.4. Ensure that windows, doors, plumbing penetrations, electrical outlets and intake and exhaust vents are properly sealed with plastic and duct tape.
- 14.5. For exterior work adjacent to windows in an existing facility, test window openings for air tightness and seal windows that leak.
- 14.6. Verify the Contractor's plan for window-mounted air conditioning units facing construction operations are shut down.
- 14.7. Place walk-off mats outside entrance(s) to the Work area. Vacuum daily or when visibly soiled using a HEPA filter-equipped vacuum cleaner.
- 14.8. Erect an impermeable dust barrier from true ceiling (includes areas above false ceilings) to floor consisting of a minimum of 2 layers of 0.15mm polyethylene.
- 14.9. Dust barriers to be maintained and remain in place until the Work is completed and removal has been approved by the **Consultant** and the Hospital's Infection Control Practitioner.
- 14.10. Verify that workers wear protective clothing. Workers are to remove protective clothing each time they leave the Work area before going into the Hospital.
- 14.11. Construct an Anteroom at access points to the Work area if access is from within the health care facility.
- 14.12. Place a walk-off mat outside the Anteroom in the Hospital and inside the Anteroom to trap dust from worker's shoes and from equipment and debris that leaves the Work area.
- 14.13. During periods of heavy demolition, the construction workers shall utilize two pairs of footwear. One pair of footwear shall be used for access outside of the Work area and in the anteroom. The second pair of footwear shall be for areas inside the Work area and in the anteroom. Construction workers shall change footwear when traveling from inside the Work area to outside the Work area.
- 14.14. Verify that workers leave the Work area through the anteroom so they can remove protective clothing and be vacuumed with a HEPA filter-equipped vacuum cleaner before leaving.
- 14.15. Repair any holes in walls within 8 hours.

18. Ventilation

- 18.1. Coordinate shutdown of ventilation systems in the Work area with the **Consultant and Owner**.
- 18.2. Seal duct openings in the Work area until completed.
- 18.3. Maintain negative pressure between the Work area and adjacent existing areas by using air scrubbers.
- 18.4. Ventilation equipment to be equipped with pressure gauges and alarm. Alternatively, provide monitoring equipment for duration of project.
- 18.5. Verify that the Contractor has directed outside air and away from intakes, vents, or filtered through a HEPA filter before being recirculated.
- 18.6. Maintain equipment filters to manufacturer's specifications.
- 18.7. The main buildings air handling system shall be disconnected from use in areas of renovation work. This will require cutting and capping of existing duct work on both the supply and return air systems.
- 18.8. Upon disconnection of the main building air handling system, the Contractor shall verify critical pressure relationships of remaining rooms serviced by the impact of this disconnection.

19. Plumbing

- 19.1. Do not use collection tanks or long pipes that allow water to stagnate.
- 19.2. Maintain a dry work environment. Report water leaks to the **Consultant** immediately.
- 19.3. Where plumbing work exceeds planned shutdown time, notify the **Consultant** immediately. Do not re-pressurize water systems until instruction is received from the **Consultant**.
- 19.4. Hyper chlorinate or superheat stagnant domestic water. Water lines in the Work area and adjacent patient care areas to be flushed before and after bacterial testing is deemed possible or if the water system is out of service in excess of one hour.
- 19.5. Contractor to coordinate with and notify the **Owner seven (3) Working Days** prior to any shutdown of the plumbing system. Minimize shutdowns of the water systems in the existing building.

17. Progress Cleaning

- 17.1. Exposure of occupants to debris is to be minimized.
- 17.2. Remove debris at the end of each shift.
- 17.3. Place supplies and equipment in covered containers when use in Work area. Color charts to be kept on site for representative of product manufacturer's complete range of standard colors.
- 17.4. Deliver prepaid to Consultants business address.
- 17.5. Notify Consultant in writing, at time of submission of deviations in samples and color charts from requirements of Contract Documents.
- 17.6. Adjustments made on samples and color charts by Consultant are not intended to change Contract Price. If adjustments affect value of Work, state such in writing to the Consultant prior to proceeding with Work.
- 17.7. Make changes in samples and color charts which Consultant may require, consistent with Contract Documents.

18. Reinstatement

- 18.1. Barriers to be vacuumed with HEPA-filter equipped vacuum cleaners and wiped down with disinfectant before removal. Remove dust barriers carefully to minimize spreading dust and other debris particles associated with the Work.
- 18.2. Clean the Work area with HEPA-filter equipped vacuums and wet mop.
- 18.3. Before the Work area is occupied coordinate clearance sampling with the Managing
- 18.4. Where clearance sampling fails to meet baseline sampling, maintain ventilation and air cleaning equipment until acceptable levels are achieved.
- 18.5. Ensure ventilation system is functioning properly and is cleaned if contaminated by soil or dust after the Work is complete.

01 32 16 CONSTRUCTION SCHEDULE

1. The Contractor shall:

- 1.1. Prepare and submit to the Consultant within **ten (10) Working Days** of the contract award, a horizontal bar chart construction schedule indicating the timing of all major activities of the Work, to demonstrate the Work will be performed in accordance with the Contract Time.
- 1.2. Monitor the progress of the Work relative to the construction schedule and update the schedule on a monthly basis for Consultant review at time of submission for application for payment.
- 1.3. Promptly advise the Consultant of any revisions required to the schedule as a result of extensions of the Contract Time
- 1.4. provide a report to define problem areas, anticipated delays, the impact on the schedule, corrective action recommended and its effect

01 33 00 SUBMITTAL PROCEDURES

1. Administrative

- 1.1. Submit to Consultant submittals listed for review. Submit with reasonable promptness and in an orderly sequence so as to not cause delay to the Work. Work affected by submittals will not proceed until review is complete.
- 1.2. Review submittals prior to submission to Consultant. Review represents that resolution between the Contractor and Consultant has been determined and verified, or will be, and that each submittal has been checked and coordinated with the requirements of Work and Contract Documents. Submittals not stamped, signed, dated and identified as to specific project will be returned without being examined or reviewed.
- 1.3. Verify field measurements and affected adjacent Work are coordinated.
- 1.4. Contractor's responsibility for errors and omissions in submission is not relieved by Consultants review of submittals.
- 1.5. Contractor's responsibility for deviations in submission from requirements of Contract Documents is relieved by Consultants review.
- 1.6. Keep one reviewed copy of each submission on site.

2. Submittals Checklist

- 2.1. Submit within **five (5) Working Days** of execution of Agreement:
 - 2.1.1. Evidence of required insurance coverages.
 - 2.2. Submit within **ten (10) Working Days** of Contract award:
 - 2.2.1. Performance bond in the amount of Material Payment Bond.
 - 2.2.2. Evidence of compliance with WorkSafe BC.
 - 2.2.3. Construction Schedule.
 - 2.2.4. Name of site superintendent and list of site and management personnel to be employed on project.
 - 2.2.5. Executed Articles of Agreement.
 - 2.3. Submit prior to making 1st application for payment.
- 2.3.1. Requirements in accordance with **GC 5.1, APPLICATION FOR PAYMENT**.
- 2.3.2. Schedule of values
- 2.3.3. Submit with each and every application for payment subsequent to the first:
- 2.4.1. Statutory Declaration CDDC 9A from the Contractor, Statutory Declaration CDDC 9B from each of the Subcontractors

- 2.5. Submit during progress of Work:
 - 2.5.1. Samples and shop drawings.
 - 2.5.2. Copies of test reports, other than those prepared or obtained by Owner appointed testing agencies.
 - 2.5.3. Copies of inspection reports issued by authorities.
 - 2.5.4. Copies of permits, licenses, certificates and receipts for fees paid.
 - 2.5.5. Revised construction schedule.
 - 2.5.6. Submit at Substantial Performance of Work as condition thereof: The Contractor may make application for a Certificate of Substantial Performance when the Work is ready for use by the Owner for the purpose intended and when the following items have been provided (where applicable) to the Consultant:
 - 2.6.1. All required manufacturers' inspections, certifications, guarantees, warranties as specified in the Contract Documents;
 - 2.6.2. All maintenance manuals, operating instructions, maintenance and operating tools, replacement parts or materials, reserve maintenance replacement material as specified in the Contract Documents;
 - 2.6.3. All required "as-built" or "as-installed" drawings in the form specified in the Contract Documents;
 - 2.6.4. Certification by all testing, cleaning, or Inspection Authorities or Associations as specified in the Contract Documents;
 - 2.6.5. Certification by all permit issuing authorities indicating approval of all permitted installations;
 - 2.6.6. Certification by WorkSafe BC that the contractor and all subcontractors are in good standing;
 - 2.6.7. Statement indicating reconciliation of all Change Orders, cash Allowances and/or other claims to the Contractor;
 - 2.6.8. Occupancy Permit from the Local Authority;
 - 2.6.9. A list of major items to be completed or corrected, including the time required to perform the work and a value thereof as well as the proposed completion date.
 - 2.7. Submit direct to the Owner, 55 Days from the date of Substantial Performance of Work:
 - 2.7.1. Application for release of lien holdback monies.
 - 2.7.2. State of Title Certificate dated the day after expiry of the lien period stating that no liens have been filed against the project.
 - 2.7.3. WorkSafe BC Clearance Letter.
 - 2.7.4. Statutory Declaration CDDC 9A - 2001 from the Contractor; Statutory Declaration, CDDC 9B - 2001 from the each of the Subcontractors; in accordance with GC 5.5.
 - 2.8. Submit with all billings forwarded to the Payment Certifier:
 - 2.8.1. Application for payment.
 - 2.8.2. Associated documentation as described and required.

3. Daily Work Records

- 3.1. Maintain complete and accurate daily records of progress of Work.
- 3.2. Include in reports weather conditions, commencement, progress and completion of various portions of Work, dates of site visits, inspection records of workforce, the material receipts and material supply problems, information and clarification requests, information, clarification and direction received and actions and events causing delays.
- 3.3. Verify and make daily work records available to Owner and Consultant upon request.

4. Shop Drawings & Product Data

- 4.1. Refer to **GC 9.10, SHOP DRAWINGS**, for governing requirements.
- 4.2. Shop drawings showing details of secondary structural systems and/or provision for seismic restraint of architectural systems and finishes, and mechanical, plumbing and electrical equipment and associated installations, shall include the approximate weight of the item to be restrained. The shop drawings shall be sealed by a qualified Professional Engineer registered to practice in the Province of British Columbia. The Professional Engineer shall be responsible for reviewing the method of seismic restraint and attachment to the structure with the Consultant prior to installation.
- 4.3. The Engineer responsible for sealing engineered shop drawings shall submit to the Consultant, British Columbia Code Schedule B-1 Assurance of Professional Design and Commitment for Field Review and B-2 Summary of Design and Field Review Requirements with the shop drawings.
- 4.4. The Engineer shall provide field review of the installation and submit to the Consultant, **BC Building Code** Schedule C-B Assurance of Professional Field Review and Compliance upon completion of the Work.
- 4.5. The contractor shall submit seismic restraint calculations upon request for review by the Consultant.
- 4.6. Where shop drawings are required to be sealed by a Professional Engineer, a certification of field review letter shall be submitted, sealed, signed and dated by the Professional Engineer, and submitted to the Consultant, prior to Substantial Performance.
- 4.7. All shop drawings to be submitted in **electronic PDF (portable document format)**, if requested by architect, additional two (2) paper copies of architectural, and three (3) paper copies of M&E shop drawings, and three (3) paper copies of plumbing and electrical shop drawings.
- 4.8. Submit shop drawings, product data sheets and brochures in metric units. Convert into metric units where information is not produced in metric.
- 4.9. Refer to Divisions 22, 23 and 26 for additional requirements particular to mechanical and electrical trades.

5. Samples and Color Charts

- 5.1. Submit samples and color charts in duplicate
- 5.2. Samples to be actual production items identical to those intended of use in Work. Color charts to be representative of product manufacturer's complete range of standard colors.
- 5.3. Deliver prepaid to Consultants business address.
- 5.4. Notify Consultant in writing, at time of submission of deviations in samples and color charts from requirements of Contract Documents.
- 5.5. Adjustments made on samples and color charts by Consultant are not intended to change Contract Price. If adjustments affect value of Work, state such in writing to the Consultant prior to proceeding with Work.
- 5.6. Make changes in samples and color charts which Consultant may require, consistent with Contract Documents.

6. Operating and Maintenance Manuals

- 6.1. Refer to Section 01 10 00 General Requirements and 01 77 00 Closeout Procedures for Operating & Maintenance Manuals.

01 35 16 ALTERATION PROCEDURES

1. Protection

- 1.1. Take precautions to prevent damage to existing items being reused.
- 1.2. Seal heating and ventilating grilles in rooms where dust will develop during alteration. Take precautions to prevent dust from entering building duct systems.

2. Entrances and exits

- 2.1. Access to existing building is limited to areas immediately adjacent to new work.
- 2.2. Keep other existing entrances/exits free from obstruction throughout alteration work, in particular provide owner continuous access to emergency exits as required by authorities having jurisdiction.
- 2.3. Provide alternative and additional exits where required by authorities having jurisdiction.
- 2.4. Post temporary "exit" directional signs as required where alternative exits have been provided or where existing exits have been removed.
- 2.5. Verify and implement requirements of local fire and building inspection authorities with regards to "fire safety plan".
- 2.6. Maintain access to the existing building as required by emergency and firefighting authorities.

3. Fire and intruder alarms

- 3.1. Protect and maintain existing fire detection devices and intruder detection devices throughout new construction areas. Connect into existing building fire and intruder detection system network.
- 3.2. Provide and maintain additional temporary fire detection devices and intruder detection devices throughout new construction areas.

4. Noise control

- 4.1. Refer to owner's general requirements.
- 4.2. Perform cutting, drilling and hammering operations with least amount of noise and disturbance to owner and operation of premises.
- 4.3. Locate high level noise machinery away from portions of building occupied and used by owner.
- 4.4. Keep extremely noisy construction operations to a minimum or arrange at time with owner's general requirements.

5. Disruption of services

- 5.1. Provide and maintain existing fire detection devices and intruder detection devices throughout new construction areas. Connect into existing building fire and intruder detection system network.
- 5.2. Do not disrupt or limit existing services without prior agreement where existing portions of project remain occupied and in use by owner during work.
- 5.3. Where work requires breaking into or connection with such activities services perform work at time arranged and agreed with owner in writing 7 working days before commencement of such portion of work.
- 5.4. Where work cannot be arranged during normal trade hours perform work outside of normal trade hours at no additional cost to owner.

6. Matching to existing work

- 6.1. Make new work in new areas, new work in existing areas, and all alteration work match in every respect similar items in existing building.
- 6.2. Use new materials, fixtures and equipment to match existing items. Where perfect matches cannot be made as to quality, texture, color, or pattern, remove existing materials and replace with new materials of comparable quality selected by consultant.
- 6.3. Execute work carefully wherever existing work is being reused. Make repairs to such reused items after reinstallation to properly restore them. Where proper restoration is impractical, such items will be rejected and replaced.
- 6.4. After removal of reusable items, carefully patch and repair original location.
- 6.5. Wherever existing work is being altered to make way for new work, perform such cutting and patching neatly and make finished installations equal to quality and appearance.
- 6.6. Where new work is a continuation or an extension of existing work, take care to meld the two with complete regard to appearance. Where possible make joints in concealed or "less obvious" places.
- 6.7. Wherever part of a wall is altered or affected by the work, paint entire wall at completion of work. Wherever two or more walls are affected, paint entire room.

7. Making good

- 7.1. Include cost of making good all work disturbed by removal of existing work, fixtures, fittings, or by installation of new or removal of old mechanical and electrical services.
- 7.2. Make good surfaces to match adjacent existing surfaces, unless otherwise indicated.

01 40 00 QUALITY CONTROL

1. Inspection and testing

- 1.1. Inspection and testing is required and described under various sections. Refer to **G.C.2.3, REVIEW AND INSPECTION OF THE WORK**, for governing requirements and any additional testing requirements.
- 1.2. Owner will pay costs for all inspection and testing, unless noted otherwise.
- 1.3. Provide minimum 48 hours notice.

2. Access

- 2.1. Cooperate to provide reasonable facilities for access required under **G.C. 2.3.1**.
- 2.2. Procedures:
 - 2.2.1. Provide samples and materials required by inspection/testing agency for testing purposes. Submit with reasonable promptness and in orderly sequence so as not to delay work.
 - 2.2.2. Provide labour and facilities to obtain and handle samples and materials on site. Provide sufficient space to store and cure test samples.

3. Defective work

- 4.1. Refer to **G.C. 2.4, DEFECTIVE WORK** for procedures.

4. Reports

- 5.1. Refer to **G.C. 2.3.3** for procedures.

5. Equipment/system reports

- 6.1. Submit adjustment and balancing reports for mechanical and electrical systems. Refer to mechanical and electrical divisions for specific requirements.

01 80 00 TEMPORARY FACILITIES AND CONTROLS

02 41 00 DEMOLITION

- 1.The demolition permit is included as part of the Building Permit. The Owner will obtain and pay for the Building Permit.
- 2.Do all demolition work according to the requirements of the latest **BC Building Code**, and Worksafe BC, Accident Prevention Regulations, and the Occupational Health and Safety Code.
- 3.Provide one (1) person on site who is responsible for maintaining the safety barriers and protection of the workers and the public. Provide the name of this person to the Owner. Any changes in personnel must also be reported to the Owner.
- 4.The Contractor shall accept the site as it exists and will be responsible for all demolition work as required.
- 5.The Contractor shall accept the site at his own expense prior to the submission of tenders and take whatever time is required to ascertain existing site conditions and surrounding features related to the proposed demolition and new construction work, and ensure himself that conditions are suitable for execution of the work.
- 6.Arrange for a site visit together with Consultant, to examine existing exterior, and adjacent to demolition and new construction work. Take pictures of any existing damage and record same in writing to avoid any disputes at a later date. Photograph all rooms where partial demolition is to occur before work commences in order to provide a record of existing conditions.
- 7.Provide temporary enclosures for securing off of work and the maintenance of any services necessary to the proper and efficient operation of the project.
- 8.Conduct construction operations with minimum interference to existing buildings operations, adjacent buildings, adjacent public or private roads, parking lots, sidewalks and features in general. Keep such areas free of material debris and equipment at all times.
- 9.The Contractor shall provide any hoardings, barricades, warning signs and lights, as necessary, for the protection of all people and property on and adjacent to the site as specified herein by the Workers' Compensation Board of British Columbia. The Contractor shall alter, add, maintain, relocate and remove these additional barricades, etc., as necessary due to the work. The Owner and the Contractor shall be saved harmless from any loss, damage, death or injury occurring through neglect, carelessness or incompetence of the Contractor, or the handling or condition of his equipment.
10. Where existing items are removed, "make good" to existing surfaces if they are to remain exposed. "Making Good" shall be defined as preparing new surfaces which are identical to adjacent surfaces (with similar backing materials), and finisher off in such a manner that there are no visible traces (at a distance of 2 feet), between existing work and the work of new patching.
11. Submit to the Consultant
- 11.1. Proposed dust-control measures.
- 11.2. Dates for shut-off, capping, and continuation of utility services.
- 11.3. Phasing and dates for sectional shut-off of sprinkler system serving existing buildings which are to remain.
- 11.4. Inventory of items to be removed and salvaged.
- 11.5. Photos or video, sufficiently detailed, of existing conditions of adjoining construction and site improvements that might be misconstrued as work caused by demolition operations.
- 11.6. Landfill records indicating receipt and acceptance of hazardous waste by a landfill or other facility authorized to accept hazardous wastes.
12. Stop work around an area where existing previously unexcavated hazardous material is discovered, including materials suspected of containing asbestos, and immediately contact the Project Manager for direction before continuing the work affected.
13. No temporary stockpiling of demolished materials permitted on site. All demolition materials from excavations must be removed from site daily. Dispose of materials in a legal manner.
14. Contractor to keep the premises clean and free from rubbish, debris, surplus materials and equipment. At the end of each days work, leave work in safe condition so that no parts are in danger of toppling or falling.

06 40 00 ARCHITECTURAL WOODWORK

- 1.Reference: Architectural Woodwork Manufacturers Association of Canada (AWMAC) and Architectural Woodwork Institute (AWI)
- 2.Submit shop drawings and hardware cut sheets in accordance with Section 013300. Indicate locations of all typical and special installation conditions, all connections, attachments, anchorage and locations of exposed fastenings.
- 3.Submit full range HPDL colour charts for Consultants colour selection use.
- 4.The Trade Contractor shall furnish a two (2) year maintenance bond, to the full value of the architectural woodwork subcontract, certifying that the architectural woodwork has been manufactured and/or installed in accordance with the standards incorporated in the AWMAC Manual.
- 5.If the Trade Contractor is an AWMAC member in good standing, a two (2) year AWMAC Guarantee Certificate will be issued instead of the maintenance bond.
- 6.The maintenance bond/guarantee certificate shall cover replacing, reworking and/or refinishing to make good any defects in architectural woodwork due to faulty workmanship or defective materials supplied by the Trade Contractor that appear during a two (2) year period following the date of Substantial Completion of the architectural woodwork contract.
7. Casework: HPDL
- 7.1. AVS quality grade : Custom
- 7.2. Core : formaldehyde free minimum 769 kg/m3 density MDF to ANSI A208.2 and AWMAC requirements.
- 7.3. Finish : **See Finishes Schedule on Dwg A5.03**
- 7.3.1. Countertops : Horizontal rubber/neoprene single stud
- 7.3.2. Vertical surfaces : Vertical General Purpose Standard Grade (VGS)
- 7.3.3. Semi-exposed parts : Face Veneer : Cabinet Liner Standard Grade (CLS)
- 7.3.4. Backing Sheet Grade (BK)
- 7.4. Approved product : **See Finishes Schedule on Dwg A5.03**

07 84 00 FIRE AND SMOKE SEALS

- 1.Fire stopping and smoke seal systems: in accordance with CANULC-S115 "Fire Tests of Firestop Systems".
- 1.1. Use materials free of asbestos and ceramic fibres. Use systems capable of maintaining effective barrier against flame, smoke and gases in compliance with requirements of CANULC-S115 and not to exceed opening sizes for which they are intended.
- 1.2. Fire stop system rating: to respective wall or floor rating.
2. Service penetration assemblies: certified by UL in accordance with CANULC-S115 and listed in ULC Guide No. 40 U19.
- 3.Fire stop components: certified by UL in accordance with CANULC-S115 and listed in ULC Guide No. 40 U19.13 and ULC Guide No. 40 U19.15 under Label Service of ULC.
- 4.Fire-resistance rating of installed fire stopping assembly not less than fire-resistance rating of surrounding floor and wall assembly.
- 5.Fire stopping and smoke seals at openings around penetrations for pipes, ductwork and other mechanical items requiring sound and vibration control; elastomeric seal; do not use cementitious or rigid seal at such locations.
- 6.Firestopping and smoke seals at building expansion and seismic control joints: pre-formed, semi-rigid non-combustible mineral wool material.
- 6.1. Approved product: A/D Firebarrier by A/D Fire Protection.
- 7.Sealant: to CAN4-S115-M, primerless single component silicone sealant.
- 7.1. Approved product: A/D Firebarrier Silicone by A/D Fire Protection.
- 8.Primer: to manufacturers' recommendation for specific material, substrate and end use.
- 9.Water (if applicable): potable, clean and free from injurious amounts of deleterious substances.
10. Damping and back-up materials, supports and anchoring devices: to manufacturers' recommendations and in accordance with tested assembly being installed as acceptable to authorities having jurisdiction.
11. Sealants for vertical joints: non-sagging.
12. Installations of fire and smoke protection shall be by experienced installers familiar with ULC systems and approved by the manufacturer.
13. Economize sizes and quantities of materials to be installed to establish correct thicknesses and installation of materials. Ensure that substrates and surfaces are clean, dry and frost free.
14. Prepare surfaces in contact with fire stopping materials and smoke seals to manufacturers' instructions.
15. Install fire stopping and smoke seal material and components in accordance with ULC certification and manufacturers' instructions.
16. Seal holes and voids made through penetrations, poke-through termination devices, penetrated openings and joints to ensure continuity and integrity of fire separation are maintained.
17. Listing and Test Reports: Submit copies of current ULC listed Firestop System for each system and certified copies of test reports verifying that air, fireproofing and smoke seals meet or exceed specified requirements.
18. Post service penetrations and future use openings/leaves with permanent signs:
- 18.1. Identifying locations as firestops/smoke seals,
- 18.2. listing material installed including local distributor,
- 18.3. detailing procedures for proper re-sealing of disturbed material and
- 18.4. warning against painting of installed material.
19. Notify Owner when ready for inspection and prior to concealing or enclosing fire stopping materials and service penetration assemblies.
20. Arrange for inspection by the Owner's independent inspection and testing agency, appointed and paid for by the Owner.
21. Following field inspections provide all repairs as required to comply with the Contract Documents.

07 92 00 JOINT SEALANTS

- 1.Section includes: joint sealants, joint backer materials and accessories needed to ensure a complete and durable weather and/or tight seal at all locations indicated.
- 2.Perform work in accordance with ASTM C 1193 guidelines except where more stringent requirements are indicated or specified.
- 3.Provide joints properly dimensioned to receive the approved sealant system.
- 4.Provide joint surfaces that are clean, dry, sound and free of voids, deformations, protrusions and contaminants which may inhibit application or performance of the joint sealant.
- 5.Deliver to the Architect signed copies of the following written warranties against leakage, cracking, crumbling, chalking, shrinkage, loss of adhesion, and/or staining of adjacent surfaces for a period of 3 years from date of completion.
- 5.1. Manufacturer's standard warranty covering sealant materials;
- 5.2. Applicators standard warranty covering workmanship.
- 6.Provide colors selected by Architect from manufacturers' standard color range.
- 7.Primer: Type to be recommended by sealant manufacturer
- 8.For concealed partition sealant : CAN/CGSB 19.21 M87 Single-component, non-hardened synthetic rubber sealant - Tremco Tremflex 834 or approved alternative
- 9.For general purpose interior and exterior caulking on vinyl, aluminum and wood siding as well as on bathroom and kitchen fixtures : CAN/CGSB 19-CP-17M Acrylic latex sealant - Tremco Tremflex 834 or approved alternative
10. For interior watertight seal to glass, metal, porcelain, ceramic and painted substrates : CAN/CGSB-19.2-M87 Single component silicone - Tremco Tremflex 100 or approved alternative
11. Joint cleaner : Non-curing type recommended by sealant manufacturer compatible with joint-forming materials
12. Bond breaker : Polyethylene tape or other adhesive faced tape as recommended by sealant manufacturer to prevent sealant contact where it would be detrimental to sealant performance.
13. Joint backer: Closed cell or soft rod Polyethylene foam rod or other compatible, non-extruding, non-staining, resilient material in dimension 25 percent to 50 percent wider than width as recommended by sealant manufacturer for conditions and exposures indicated.
14. Masking tape: Non-staining, non-absorbent tape product compatible with joint sealants and adjacent joint surfaces that is suitable for masking.
15. Remove all traces of previous sealant and joint backer by mechanical methods, such as by cutting, grinding and wire brushing, in manner not damaging to surrounding surfaces.
16. Remove paints from joint surfaces except for permanent, protective coatings tested and approved for sealant adhesion and compatibility by sealant manufacturer.
17. Remove wax, oil, grease, dirt film residues, temporary protective coatings and sealant residue by wiping with cleaner recommended for that purpose. Use clean, white, lint-free cloths and change cloths frequently.
18. Provide joint backer material uniformly to depth required by sealant manufacturer for proper joint design using a blunt instrument.
19. Provide bond-breaker where indicated or recommended by sealant manufacturer, adhering strictly to the manufacturers installation requirements.
20. Prime joint substrates where required.
21. Use masking tape where required to prevent sealant or primer contact with adjoining surfaces that would be permanently stained or otherwise damaged by such contact or the cleaning methods required for removal.
22. Install sealants to fill joints completely from the back, without voids or entrapped air, using proven techniques, proper nozzles and sufficient force that result in sealants directly contacting and fully wetting joint surfaces.
23. Install sealants to uniform cross-sectional shapes with depths relative to joint widths that allow optimum sealant movement capability as recommended by sealant manufacturer.
24. Tool sealants in manner that forces sealant against back of joint, ensure firm, full contact at joint interfaces and leaves a finish that is smooth, uniform and free of ridges, wrinkles, sags, air pockets and embedded impurities.
25. Remove sealant from adjacent surfaces in accord with sealant and substrate manufacturer recommendations as work progresses.
- 6.10 00 HOLLOW METAL DOORS AND FRAMES
- 1.Reference Documents: Specifications for Commercial Steel Doors and Frames and Canadian Fire Labelling Guide by the Canadian Steel Door and Frame Manufacturers Association (CSDFMA)
- 2.NFPA 80, Standard for Fire Doors and Fire Windows.
- 3.Fire rated doors and frames: labelled and listed by an organization accredited by Standards Council of Canada in compliance with CAN4-S104M and ULC4-S104M for ratings indicated.
- 4.Steel: Commercial grade steel to ASTM A568-91, Class 1, hot dipped galvanized to ASTM A527-80, coating designation to ASTM A525-81, Z275.
- 4.1. Thickness for steel components shall be in accordance with the CSDFMA specification Table 1 - Thickness of Steel for Component Parts unless otherwise specified.
- 4.2. Door frames: 16 ga.
- 4.3. Door stile and rails: 16 ga
- 4.4. Door panel: 18 ga
- 4.5. Door bumpers: Black rubber/neoprene single stud
- 5.Fabricate frames as detailed, in accordance with Canadian Steel Door and Frame Manufacturers' Association, "Specifications for Commercial Steel Doors and Frames".
- 6.Hinges, reinforce, drill and tap frames for mortised hardware. Reinforce frames for surface mounted hardware.
- 7.Welding shall conform to CSA W59, Out miters and joints accurately and weld continuously on inside of frame profile.
- 7.1.1. Countersinks: Horizontal rubber/neoprene single stud
- 7.3.2. Vertical surfaces : Vertical General Purpose Standard Grade (VGS)
- 7.3.3. Semi-exposed parts : Face Veneer : Cabinet Liner Standard Grade (CLS)
- 7.3.4. Backing Sheet Grade (BK)
- 7.4. Approved product : **See Finishes Schedule on Dwg A5.03**

08 51 13 ALUMINUM WINDOWS (NOT APPLICABLE)

- 1.Section includes:
- 1.1. Exterior: aluminum windows, thermally broken.
- 1.2. **Aluminum flashing sill and closure plate as detailed.**

- 1.3. Related deflection header components.
- 16.7. All necessary reinforcing members, anchors, screws, bolts, etc. for installation.
- 2.Conform to the following:
- 2.1. DAF 45 (2003), Designation System For Aluminum Finishes
- 2.2. AAMA-2603-(2002), Voluntary Specification, Performance Requirements and Test Procedures for Pigmented Organic Coatings on Aluminum Extrusions and Panels
- 2.3. AAMA-2604-(2005), Voluntary Specification, Performance Requirements and Test Procedures for High Performance Organic Coatings on Aluminum Extrusions and Panels
- 2.4. AAMA-2605-(2005), Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels
- 2.5. AAMA CW-10-(2004), Care and Healing of Architectural Aluminum from Pests to Site
- 2.6. ASTM B209-(07), Specification for Aluminum and Aluminum-Alloy Sheet and Plate
- 2.7. ASTM B221-(08), Specification for Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes
- 2.8. ASTM D2240-(05), Standard Test Method for Rubber Property-Durometer Hardness
- 2.9. CAN/CGSB-12.8-(07), Insulating Glass Units
- 2.10. CAN/CGSB-12.20-(M89), Structural Design of Glass for Buildings
- 2.11. CAN/CGSB-19.13-(M87), Sealing Compound, One-Component, Elastomeric, Chemical Cure
- 2.12. CAN/CSA-S157-(2005), Strength Design in Aluminum
- 2.13. CAN/CSA W59-2-(M1991, R2003), Welded Aluminum Construction
- 2.14. NAFS-AAMA/WDMA/CSA 1011.S.2/A440-08
- 2.15. CDD-45-(1998), Sealants and Caulking Compounds
- 2.16. CANULC 710.1 (2005), Standard for Thermal Insulation - Bead-Applied One Component Polyurethane Air Sealant Foam, Part 1: Materials Standard for Thermal Insulating - Bead - Applied One Component Polyurethane Air Sealant Foam, Part 1: Materials
- 3.Make Submittals in accordance with Submittal Procedures 01 33 00
- 4.Submit product data including manufacturers literature for aluminum window frames, glazing, components and accessories, indicating compliance with specified requirements and material characteristics.
- 4.1. Submit list on window manufacturers' letterhead of materials, components and accessories to be incorporated into work.
- 4.2. Include product names, types and series numbers.
- 4.3. Include contact information for manufacturer and their representative for this project.
- 5.Shop Drawings: Submit drawings stamped and signed by Professional Engineer registered or licensed in British Columbia, Canada.
- 5.1. Indicate materials and materials and their manufacturer's name and all, profiles of components, interior and exterior trim, junction between combination units, elevation unit, anchorage details, description of related components and exposed finishes, fasteners, and caulking.
- 5.2. Indicate location of manufacturer's nameplates.
- 6.Samples:
- 6.1. Submit duplicate 300 x 300mm sample sections showing prefinished aluminum surface, finish, colour and texture, and including frame corner details.
- 6.2. Submit duplicate 300 x 300mm sample sections of insulating glass unit showing glazing materials and sealant and corner details.
- 7.Thermal Performance: Submit verification that Insulating Glass Units used to meet (US) centre of glass values specified.
- 8.Test Reports:
- 8.1. Submit test reports showing compliance with specified performance characteristics and physical properties including air and water infiltration.
- 8.2. Field Reports: Submit manufacturers field reports within 3 days of manufacturer representative's site visit and inspection.
9. Installer Qualifications:
- 9.1. Submit letter verifying installer's experience with work similar to work of this Section.
10. Closeout Submittals:
- 10.1. Operation and Maintenance Data: Supply maintenance data for window for incorporation into manual specified in Section 01 77 00 - Closeout Procedures.
- 10.2. Record Documentation: In accordance with Section 01 77 00 - Closeout Procedures:
- 10.2.1. List materials used in windows work.
- 10.2.2. Warranty: Submit warranty documents specified.
11. Delivery, Storage and Handling:
- 11.1. Deliver, store and handle products in accordance with manufacturers printed instructions and AAMA CW-10.
- 11.2. Protection: Apply temporary protective coating to finished surfaces. Remove coating after installation. Do not use coatings that will become hard to remove or leave residue.
12. Warranty:
- 12.1. Manufacturer's standard form in which manufacturer agrees: To repair or replace systems that fail in materials, workmanship, or installation, within (2) years from date of Substantial Performance. Failure includes, but is not limited to the following:
- 12.1.1. Structural failures including, but not limited to, excessive deflection.
- 12.1.2. Adhesive or cohesive sealant failures.
- 12.1.3. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
- 12.1.4. Failure of operating components to function normally.
- 12.1.5. Water leakage through fixed glazing and frame areas.
- 12.1.6. Mist on inside sealed units.
13. Product: **Thermally broken, rain screened, aluminum framed, windows with double glazed insulating glass units and flush front design.**
- 13.1. Acceptable Products :
- a. **Aluminum Reinforced 1900 (Fixed) and Univent 1350 (Operable - Project-Out)**
- b. **US Aluminum: 7200 Series (Fixed and Operable - Project-Out)**
- c. **Keweenaw: 516 Thermal Window (Fixed) and 526 Thermal Window (Operable - Project-Out)**
14. Design Criteria:
- 14.1. Design aluminum components to CAN/CSA S157.
- 14.2. Window Classification: To NAFS - AAMA/WDMA/CSA 1011.S.2/A440-08
- 14.2.1. Air tightness: **FW-CW1 - Canadian Level: Fixed**
- 14.2.2. Water tightness: **FW-CW100 - Canadian Level: B7**
- 14.2.3. Wind load resistance: **FW-CW70 - Canadian Level: C4**
- 14.2.4. Forced entry resistance test: **Grade 10**
15. Window Materials:
- 15.1. Main Frame and glass stops: Extruded aluminum: To ASTM B221, 6063 alloy with T5 or T6 temper.
- 15.1.1. Main frame depth: **108mm**
- 15.1.2. Interior color: **Clear anodized**
- 15.1.3. Exterior color: **Clear anodized**
- 15.1.4. Insulating glass units: in accordance with Section 08 80 50 - Glazing
16. Window fabrication:
- 16.1. Fabricate windows to CAN/CSA A440/A440.1 and manufacturers' instructions.
- 16.1.1. Do glazing in accordance with Section 08 80 00 - Glass and Glazing. Ensure proper installation of prime seal gasket whether shop or field glazed.
- 16.2. Fabricate aluminum assemblies of extruded sections to sizes and profiles indicated.
- 16.2.1. Ensure vertical and horizontal members are tubular extrusions designed for shear block and/or screw spline corner construction.
- 16.2.2. Provide drainage path from glazing cavity in accordance with rainscreen practices and manufacturers' instructions to permit drainage of extraneous water to the exterior.
- 16.3. Construct units square, plumb and free from distortion, waves, twists, buckles or other defects detrimental to performance or appearance.
- 16.3.1. Brace frames to maintain squareness and rigidity during installation.
- 16.4. Fabricate units square and true with tolerance of plus or minus 1.5mm maximum for units with diagonal measurement of 1800mm maximum and plus or minus 3mm maximum for units with diagonal measurement greater than 1800mm.
- 16.5. Accurately fit and secure joints and corners.
- 16.5.1. Ensure joints are flush, hairline, and weatherproof.
- 16.5.2. Seal joints and corners in accordance with manufacturers' instructions.

- 16.6. Face dimensions detailed are maximum permissible sizes.
- 4.Deliver and store materials undamaged and where applicable in their original wrappings or containers with manufacturers labels and seals intact. Store materials on a dry floor in a weatherproof enclosure.
- 6.Glass
- 5.1. Thickness of Glass: Conform to **BC Building Code** wind load requirements where applicable and according to maximum glass size but no less than firm requirements.
- 5.2. For sizes and locations of all lights, refer to the drawings and schedules. Thicknesses indicated and specified are minimum only, thicker glass may be required to meet structural requirements.
- 5.3. Glass shall be one of the following types, as designated on the drawings or as further described:
- 5.3.1. Labeled Glass - See Section 13 09 00 Radiation Protection
- 6.Sealant Compounds : CAN/CGSB-19.13-M87 Single component silicone - See Section 07 92 00 Joint Sealants
- 7.Fabricate glazing to sizes and locations as shown on the drawings in accordance with reviewed shop drawings.
- 8.Take site measurements prior to shop fabrication.
- 9.Material for protecting markings on glass, such as adhesives for the noncombusible labels, shall be either neutral or slightly acidic. In no case shall such materials be alkaline. Any staining of glass or other surfaces by such alkaline materials will be cause for rejection.
10. Leave no manufacturers labels or grade marks on glass except as required by code for safety glass identification.
11. Adjust and Clean
- All materials shall be protected during and after installation.
- 09 20 00 GYPSUM SHEATHING BOARD
1. Work of this section shall conform to the Association of Wall and Ceiling Contractors of BC (AWCC) Specifications Standards Manual.
2. Corner and casing beads shall be shipped in rigid containers and protected from damage and dampness.
3. Store wallboard flat, off the floor, protected from damage by dampness, weather or construction activities. Cementitious materials shall be kept dry and away from damp places. Distribute as required to avoid exceeding live load capacity of the floor.
4. Providing blocking as required for all attached fixtures and millwork.
5. Refer to drawings and wall schedule for extent of each type of gypsum board product and thickness.
6. Gypsum board products, materials and accessories shall conform to AWCC Section 9.6, Part 2
7. Products:
- 7.1. Gypsum Wallboard: Conforming to CAN/CSA-A82-27-M1977 non-combustible gypsum core with dimensions 1219mm x max. practical length for min. joints.
- 7.2. Fire-Rated Gypsum Wallboard: Conforming to CAN/CSA-A82-27-M91, Type "X" having ULC lab fire resistance rating; dimensions 1219mm x max. practical length to minimize joints.
- 7.3. Moisture Resistant Gypsum Wallboard: Conforming to CAN/CSA-A82-27-M91; specially formulated core to resist moisture penetration covered with moisture resistant face and back papers chemically treated to resist moisture penetration. Dimensions 1219mm x max. practical length for min. joints. Type "X" having a ULC label for fire resistance rating.
8. Gypsum Board Screws: Conforming to ASTM C646, self-drilling, self-threading case hardened screws with Phillips type head (bugle head) (stainless steel screws to be utilized for fixing wet area). On steel studs and ceiling, drywall screws shall be installed in accordance with ULC C-8.
9. Gypsum Board Tape to be 50 mm (2") paper joint tape, of a type recommended by manufacturer of gypsum board products.
10. Gypsum Board Jointing Compound: Casein, vinyl or latex base; slow setting; low shrinkage; noncombustible bedding and finishing compounds of type recommended by manufacturer of gypsum board.
11. Corner Beads: Min. 0.45mm (26 ga.) galvanized sheet steel; square bead with perforated flanges. Use extended leg bead at external corners at double board application.
12. Casing Beads: Min. 0.45mm (26 ga.) galvanized sheet steel; square bead with perforated flanges. Only filable type J or L beads are acceptable. Thickness to suit gypsum board.
13. Install gypsum wallboard and accessories in accordance with AWCC Specifications Standards Manual.
14. Provide ventilation to dry gypsum drywall fillers properly.
15. Do not locate joints on same stud on opposite sides of partitions. Stagger joints occurring on opposite sides of partitions.
16. Allow deflection spaces between drywall partitions and building structural framing components to allow for movement of framing components.
17. Box-in electrical, telephone and TV outlets in fire-rated and party walls with drywall, typically.
18. Increase if necessary, depth and width of all furring, bulkheads, chases, etc. to contain and conceal electrical and heating wires, rainwater leaders, plumbing waste, hot and cold water supplies and provide gypsum board concealment to all pipes in visually exposed heated spaces. Check mechanical, plumbing and electrical drawings for extent of piping and conduits.
19. Finish gypsum wallboard in accordance with AWCC Specifications Standards Manual.
- 09 22 16 NON STRUCTURAL METAL FRAMING
1. Work Included
- 1.1. Metal support systems for wall, furring and ceiling.
- 1.2. Concealed backing for wall hung millwork and equipment.
2. Work of this section shall conform to the Association of Wall & Ceiling Contractors of B.C. (AWCC) Specifications Standards Manual (latest Edition).
3. Design responsibility
- 3.1. All steel stud partitions to be designed to accommodate building structure deflection of 1/360 and seismic restraints to meet all applicable code.
- 3.2. Provide seismic restraints for all suspended ceiling framing.
- 3.3. Submit confirmation signed and sealed by a structural engineer registered in British Columbia that all of the above requirements have been met.
- 3.4. The structural engineer responsible for the design shall provide letters of assurance Schedule B and C-B.
4. Submit Shop Drawings as required.
- 4.1. All components used in fire rated assemblies shall be in accordance with the applicable ULC, Warnock Hersey, or BC Building Code referenced assembly.
6. Refer to drawings and wall schedule for size and type of metal framing
7. Interior Non-Load Bearing Steel Stud, Track, and Furring :
- 7.1. Conform to CAN/CGSB-7.1-M86.
- 7.2. Gauge to be minimum 0.8 mm (20 ga.) C shape with knurled faces on flanges or legs, and knock-out pass through holes in web.
- 7.3. Provide 16 ga double studs on both sides of door and window jambs. Anchor studs to structural floor and to structural ceiling above.
- 7.4. Hot dipped galvanized steel studs with Z180 (G60) zinc coating to ASTM A525-86, roll formed from ASTM A446/A446M-85, Grade A steel.
- 7.5. The minimum stud spacing at all locations should be no case more than 400mm o.c. or as otherwise required by sheeting manufacturer.
- 7.6. Provide stud width per wall schedule. Flange depth to be minimum 32mm. Use extended leg for top track, if required, to accommodate deflection.
- 7.7. To sealing allowed.
8. Ceiling Framing Materials
- 8.1. The Wire to be 1.62mm (16 ga) galvanized steel
- 8.2. Hangers to be 3.6mm (9 ga) galvanized soft annealed steel wire (up to 1.5 sq.m.) or 4.8 mm diameter zinc coated or cadmium plated steel rod (up to 1.48 sq.m.) secured to structural slab with corrosion-resistant anchors
- 8.3. Main furring channels to be minimum 38mm x 12.7 mm x 1.37mm cold formed channels with hot dip galvanized zinc coating spaced as required.
- 8.4. Cross furring to be hot dipped galvanized steel hat section, 68.2mm overall width x 22.2mm deep x 0.53mm thick
9. Metal Backing Plates to be 0.91mm (20 ga) hot cold dipped galvanized steel
10. Fasteners and accessories to be of type, material, size, corrosion resistance, holding power, and other properties required to fasten steel members to substrates, to suit structural conditions, and to fixing manufacturer's operation and installation instructions.
11. Screws: Lengths as required to suit applications, self tapping corrosion resistant drywall screws.
12. Acoustic Gasket or Tape: Self-adhesive foam tape 6 mm x 25 mm closed formed channels with hot dip galvanized zinc coating spaced as required.
13. Acoustic Caulking: Synthetic rubber acoustic sealed meeting CAN/CGSB 19.21-M87.
14. Unless noted otherwise all partitions shall be full height from floor to underside of structural ceiling.
15. Install floor and ceiling track seated on two continuous beads of acoustic sealant. Ensure continuity for entire perimeter of acoustically-rated wall assemblies. Fasten securely to concrete at maximum 600 mm c.c. using approved concrete fasteners.
16. Provide minimum 2 studs from floor to structural slab above on each side of door and window opening.
- 09 80 00 GLASS AND GLAZING
- 1.Meet CGSB standards for float, tempered and laminated units. Type, thickness to conform to B.C. Building Code most current edition.
2. Glazing Standards: FGMA Glazing Manual and Sealant Manual
- 3.Submit two (2) samples, each 150mm x 150mm, of the following to the Consultant for approval.

- 3.1. each type of glass
- 4.Deliver and store materials undamaged and where applicable in their original wrappings or containers with manufacturers labels and seals intact. Store materials on a dry floor in a weatherproof enclosure.
- 6.Glass
- 5.1. Thickness of Glass: Conform to **BC Building Code** wind load requirements where applicable and according to maximum glass size but no less than firm requirements.
- 5.2. For sizes and locations of all lights, refer to the drawings and schedules. Thicknesses indicated and specified are minimum only, thicker glass may be required to meet structural requirements.
- 5.3. Glass shall be one of the following types, as designated on the drawings or as further described:
- 5.3.1. Labeled Glass - See Section 13 09 00 Radiation Protection
- 6.Sealant Compounds : CAN/CGSB-19.13-M87 Single component silicone - See Section 07 92 00 Joint Sealants
- 7.Fabricate glazing to sizes and locations as shown on the drawings in accordance with reviewed shop drawings.
- 8.Take site measurements prior to shop fabrication.
- 9.Material for protecting markings on glass, such as adhesives for the noncombusible labels, shall be either neutral or slightly acidic. In no case shall such materials be alkaline. Any staining of glass or other surfaces by such alkaline materials will be cause for rejection.
10. Leave no manufacturers labels or grade marks on glass except as required by code for safety glass identification.
11. Adjust and Clean
- All materials shall be protected during and after installation.

17. Install channel stiffener above door heads. Stiffener to run to closest stud adjacent to boxed jamb studs.
18. Install continuous channel stiffener at mid-point of all stud partitions not exceeding 3.60 meters in height and at third (1/3) points for all partitions exceeding 3.6 meters in height.
19. Install all backing for electrical, all rough openings for building in washroom accessories, mirrors, and other items, and install and seal all accessories supplied and installed by others, or supplied and installed under this section. Coordinate with other Sections to provide for washroom accessories. Blocking to be 1.2 mm (1/8 ga) sheet metal strips 300 mm (12 inches) wide and positioned to allow for sufficient installation tolerance of accessories.
20. Prompts as work proceeds and at completion, clean up and remove from premises all rubbish and surplus materials resulting from work of this section.

09 51 00 ACOUSTIC CEILING PANELS AND SUSPENSION SYSTEM

1. Conform to the following
- 1.1. ASTM C635-04 Standard Specification for the Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings
- 1.2. ASTM C636-04 Standard Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels
- 1.3. ASTM E580-02e1 Standard Practice for Application of Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels in Areas Requiring Seismic Restraint.
- 1.4. CANULC80.02, Surface Burning Characteristics of Building Materials
2. Design seismic anchorage connections in accordance with BOCB (Section 4.1.9 including Table 4.1.9.1-D - Architectural Parts and Portions of Buildings), Maximum deflection: 1/360th of span to ASTM C635 deflection test.
- 2.1. Provide seismic restraints for all suspended ceiling.
- 2.2. Submit confirmation signed and sealed by a structural engineer registered in British Columbia that all of the above requirements have been met.
- 2.3. The structural engineer responsible for the design shall provide letters of assurance Schedule B and C-B.
3. Store materials in work area 48 hours prior to installation.
4. Provide 5% additional acoustical panels of each type for project maintenance use.
5. Submit samples in accordance with 01 33 00.
6. Suspension System
- 6.2. Intermediate duty system to ASTM C635
- 6.3. Basic materials for suspension system : commercial quality cold rolled steel zinc coated, **except for MRI Exam Room, use a non-ferrous suspension system only.**
- 6.4. Hangers : 2.5mm dia galvanized, 760 degree C melting temperature soft annealed wire, **except for MRI Exam Room, use stainless steel size only.**
- 6.5. Hanger inserts : purpose-made to provide positive hanger retention and support of suspension system.
- 6.6. Exposed suspension system : 2-directional exposed tee bar grid with rectangular bulb and 15/16" width rolled cap to exposed face, cross tee lower flange offset to provide flush intersection with main tee lower flange. Typical suspension colour : **White**
- 6.7. Accessories : applies, wire ties required to complement respective suspension system and as recommended by system manufacturer.
- 6.8. Angle mould : 7/8" x 7/8" angle mould profile, finish to match suspension system.
- 6.9. Approved product : **See Finishes Specification on Dwg A5.03**
7. Acoustical Panels (General):
- 7.1. Type : lay-in exposed grid
- 7.2. Material : non-combustible mineral fibre
- 7.3. Surface Finish : factory vinyl latex paint
- 7.4. Color : **White**
- 7.5. Light Reflectance : LR-90
- 7.6. Size : General - 24" x 24", 7/8" thick (See plan)
- 7.7. Edges : Square
- 7.8. NRC Rating : General - 0.80
- 7.9. CAC Rating : General - 35
- 7.10. Fire Hazard : Class 1
- 7.11. Approved Product : **See Finish Specification on Dwg A5.03**
8. Acoustical Panels (MRI): (NOT APPLICABLE)
- 8.1. Type : lay-in exposed grid
- 8.2. Material : non-combustible mineral fibre
- 8.3. Surface Finish : factory vinyl latex paint
- 8.4. Color : **factory white finish**
- 8.5. Light Reflectance : LR-90
- 8.6. Size : 24" x 24" x 1 1/2" thick
- 8.7. Edges : square-cut lay-in
- 8.8. NRC Rating : General - 0.80
- 8.9. AC Rating : 200
- 8.10. Fire Hazard : 0-25 ASTM E84 test
9. Approved Product : **See Finish Specification on Dwg A5.03**
10. Install suspension assemblies in accordance with system manufacturers' directions, unless state otherwise.
11. Provide seismic restraint of suspension system in accordance with ASTM E580, 4. Areas Subject to Moderate to Severe Seismic Disturbance.
12. Support light fixtures and diffusers independent of suspension system using dedicated hangers or chains. Do not rely on grid or main frame supports within 150mm of each corner and at maximum 600mm around perimeter of each fixture and diffuser. This is in addition to slack restraints specified in Division 15.5 & 16.
13. Fringe openings for light fixtures, air diffusers, and at changes in ceiling heights.
14. Make finished ceiling systems square to adjoining walls and level tolerance ±1000.
15. For MRI Room, suspended ceiling must be statically suspended with no moveable clamps or springs or other similar mechanism. Corrugated rods must be fastened securely and galvanic contact between corrugated rods must be guaranteed or by using wire jumper between rods.


09 65 00 RESILIENT FLOORING

1. References
- 1.1. ASTM F710, Standard Practice for Preparing Concrete Floors and Other Monolithic Floors to Receive Resilient Flooring.
- 1.2. ASTM F1913, Standard Specification for Sheet Vinyl Floor Covering Without Backing.
- 1.3. ASTM F1516, Standard Practice for Sealing Seams of Resilient Flooring Products by the Heat Weld Method.
- 1.4. ASTM F1869, Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride
2. Comply with NFPA "Floor Covering Reference Manual" for all product and installation requirements.
3. Submit samples in accordance with Section 01 33 00.
4. Provide flooring maintenance data for incorporation into maintenance Section 01 33 00.
5. Subfloor filler for patching, filling and leveling: pre-mixed filler with Portland cement and polymeric modifiers with minimum compressive strength of 20 MPa at 28 days, type as recommended by flooring manufacturer. Primers and sealers as recommended by flooring manufacturer. Adhesives: solvent-free, low VOC, waterproof type as recommended by flooring manufacturer
6. Heat Welding Rods for Sheet Flooring: as recommended and supplied by flooring manufacturer, solid color and/or patterned rods as selected by the Contractor from manufacturers standard range to match complementary sheet flooring type used.
7. Protective Edging and Reducer Strips: heavy duty tapered pebbled vinyl/rubber floor edge reducer, 1/2" high, 1/2" wide, 1/2" thick, 1/2" wide, 1/2" high finish transitions and to suit condition as recommended by resilient flooring manufacturer with type, style, finish and color to match existing where applicable as selected by the Consultant from manufacturers standard range.
8. Sheet vinyl
- 8.1. Composition: Minimum 50% vinyl compound binder consisting of a blended composition of pigments stabilized against heat and light deterioration. Design, colour and pattern shall extend through the full thickness of the material.
- 8.2. Standards: ASTM F 1913 Vinyl Sheet Floor Covering Without Backing.
- 8.3. Intended use: Institutional
- 8.4. Thickness: 2 mm
- 8.5. Color: **One (1) color (field) to be selected by Consultant from manufacturer's complete range.**
- 8.6. Approved product: **See Finish Specification on Dwg A5.03**
- 8.7. Resilient Interlock Base :
- 9.1. Composition : sheet vinyl flooring flash covered up walls complete with pre-formed heavy duty tapered pebbled vinyl/rubber floor edge reducer, 1/2" high, 1/2" wide, 1/2" thick, 1/2" wide, 1/2" high details and continuous cap as specified. Refer to Finish Schedule for locations
- 9.2. Height : See drawings for heights and locations
- 9.3. Base Supports : as recommended by flooring manufacturer, minimum 19mm radius
- 9.4. Base Cap : continuous cap as recommended by flooring manufacturer, colour from manufacturers standard range, to complement flooring material and/or concrete fasteners as selected by Contractor
10. Maintenance Materials : At project completion, provide 10% of extra sheet vinyl and resilient base of each type and color for Owner's future maintenance use.
11. Ensure that paint, varnish, oils, release agents, waxes, sealers and curing and hardening compounds not compatible with adhesives employed have been removed.

ARCHITECT :



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8	TENDER ADDENDUM 1 	JUNE 10, 2021	RC
7	NOT ISSUED	-	-
6	NOT ISSUED	-	-
5	NOT ISSUED	-	-
4	NOT ISSUED	-	-
3	NOT ISSUED	-	-
2	NOT ISSUED	-	-
1	NOT ISSUED	-	-

12. Test existing exposed concrete for moisture using ASTM F 1869, Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride test method and provide written results. Moisture emission not to exceed 1 kg/70 m2 in 24 hours.
13. Test existing exposed concrete for alkalinity and neutralize if required in accordance with NFPA recommendations without using acid.
14. Install flooring in accordance with manufacturers' installation instructions.
15. Install edging strips wherever resilient flooring terminates at unlike floor surface, using longest practical lengths at each location.
16. Install wall base in lengths as long as practicable without gaps at seams and with tops of adjacent pieces aligned.
17. Remove excess adhesive from floor, base and wall surfaces without damage.

09 65 13 13 RESILIENT WALL BASE (NOT APPLICABLE)

1. References
- 1.1. ASTM F1861, Standard Specification for Resilient Wall Base.
2. Submit samples under provisions of Section 01 33 00
3. Product Data: Manufacturer's data sheets on each product to be used, including:
- 3.1. Preparation instructions and recommendations.
- 3.2. Storage and handling requirements and recommendations.
- 3.3. Installation methods.
- 3.4. Verification Samples: For each finish product specified, two samples, representing actual product and finish.
4. Product shall be delivered to site in manufacturer's original packaging.
5. Product shall be handled and stored to prevent damage to materials.
6. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.
7. Install resilient products after other finishing operations, including painting, have been completed.
8. Resilient Wall Base:
- 8.1 Intended use: Office
- 8.2 Thickness: 3.2 mm
- 8.3 Color: 1 color to be selected by Consultant from manufacturer's complete range.
- 8.4 Approved Product: See Finish Specification on Dwg A5.03
- 8.5 Height : See drawings for heights and locations
- 8.6 Base Supports : as recommended by flooring manufacturer, minimum 19mm radius.
9. Do not begin installation until substrates have been properly prepared per manufacturer's instructions.
10. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
11. All adhesives, solvent based materials and other contaminants should be removed and encapsulated prior to application of adhesive and installation of carpet.
12. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
13. Vacuum clean substrates to be covered by resilient products immediately before installation.
14. Install in accordance with manufacturer's instructions and in proper relationship with adjacent construction. Test for proper operation and adjust until satisfactory results are obtained.
15. Install wall base in lengths as long as practicable without gaps at seams and with tops of adjacent pieces aligned.
16. Perform the following operations immediately after completing resilient product installation:
- 16.1. Remove adhesive and other blemishes from exposed surfaces.
- 16.2. Damp-mop surfaces to remove marks and soil.
17. Protect installed products until completion of project.
18. Touch-up, repair or replace damaged products before Substantial Completion.
19. Maintenance Materials : At project completion, provide 10% of extra Resilient Wall Base of each type and color for Owner's future maintenance use.

09 68 13 CARPET TILE (NOT APPLICABLE)

1. References:
- 1.1 Carpet and Rug Institute's Carpet Installation Standard.
- 1.2 ASTM F2170 - 19, Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes
2. Submit samples under provisions of Section 01 33 00
3. Product Data: Manufacturer's data sheets on each product to be used, including:
- 3.1. Preparation instructions and recommendations.
- 3.2. Storage and handling requirements and recommendations.
- 3.3. Installation methods.
- 3.4. Verification Samples: For each finish product specified, two samples, representing actual product and finish.
4. Product shall be delivered to site in manufacturer's original packaging.
5. Product shall be handled and stored to prevent damage to materials.
6. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.
7. Carpet Tile:
- 7.1 Intended use: Office
- 7.2 Thickness: 3.2 mm
- 7.3 Color: Allow three (3) colours to be selected by Consultant from manufacturer's complete range.
- 7.4 Tile Size: 600mm x 500mm & 250mm x 1000mm
- 7.5 Tile Pattern Installation: See Finish Specification on Dwg A5.03
- 7.6 Approved Product: See Finish Specification on Dwg A5.03
8. Do not begin installation until substrates have been properly prepared per manufacturer's instructions.
9. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
10. All adhesives, solvent based materials and other contaminants should be removed and encapsulated prior to application of adhesive and installation of carpet.
11. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
12. All concrete floors must comply with moisture and alkalinity requirements per manufacturer's instructions prior to proceeding with installation. The required pre-installation moisture and alkalinity tests should be performed to ASTM standards.
13. Install in accordance with manufacturer's instructions and in proper relationship with adjacent construction. Test for proper operation and adjust until satisfactory results are obtained.
14. Protect installed products until completion of project.
15. Touch-up, repair or replace damaged products before Substantial Completion.
16. Maintenance Materials : At project completion, provide 10% of extra Carpet Tile for Owner's future maintenance use.
17. Provide flooring maintenance data for incorporation into maintenance manual described in Section 01 33 00.

09 90 00 PAINTING

1. Conform to the standards contained in the Master Painters Institute Architectural Painting Specification Manual, latest edition (hereafter referred to as MPI Painting Specification Manual) for all painting products including preparation and application of materials.
2. Only materials (primers, paints, coatings, varnishes, stains, lacquers, fillers, etc.) listed in the latest edition of the MPI Approved Product List (APL) are acceptable for use on this project.
3. All paint to be premium grade unless otherwise noted.
4. All colors to be selected by Consultant.
5. Allow one (1) interior field colors and two (2) interior accent colors for walls
6. Allow one (1) color for interior ceilings including access hatches, trim and fixtures
7. Allow one (1) color for interior doors and one (1) for frames
8. Submit color samples
9. Prepare 1000mm x 1000mm mock-ups for each color on site for final approval as instructed by architect.
10. For interior gypsum board surfaces:
- 10.1. Surfaces must be clean, screws and nails countersunk and holes filled. Sand joints, then dust clean.
- 10.2. Apply latex primer before painting new surfaces.
- 10.3. For previously painted latex surfaces, no primer required.
- 10.4. Product:
- 10.4.1. Paint : Dulux - Lifemaster
- 10.4.2. Primer : As recommended by Manufacturer
- 10.4.3. Sheen : See Finish Specification on Dwg A5.03
11. For interior galvanized metal:
- 11.1. Clean with metal conditioner to assure better adhesion of the paints.

- 11.2. Unless new metal surface comes with a primer, apply a coat of latex primer for all new metal surfaces.
- 11.3. If rust is present, it should be removed with rust remover, and the affected areas covered with anti-rust primer.
- 11.4. For previously painted latex or alkyl surfaces, no primer required.
- 11.5. Product:
- 11.5.1. Paint : Dulux - Lifemaster
- 11.5.2. Primer : As recommended by Manufacturer
- 11.5.3. Sheen : See Finish Specification on Dwg A5.03
12. Maintenance Materials : At project completion, provide 1 can of 4 litres (1 gallon) of extra paint, unopened, for each paint type and color, properly labeled, for Owners future maintenance use.
13. All materials and paints shall be lead and mercury free and shall have low VOC content where possible.
14. Where required, paints and coatings shall meet flame spread and smoke developed ratings designated by local Code requirements and/or authorities having jurisdiction.
15. Perform no painting work when the ambient air and substrate temperatures are below 50 degrees F (10 degrees C), relative humidity is above 85% or dew point is less than 5 degrees F (3 degrees C) for both interior and exterior work.
16. Previously painted surfaces must be clean, dry, and free from dust, oil, grease, rust, soap, wax, loose paint or other contaminants. Scrape loose paint and sand edges smooth. Clean very well and prime bare spots with recommended primer for original surface type.
17. All surfaces to be painted to receive minimum 3 coats of paint. For deep or bright accent colors, paint more than 3 coats to achieve satisfactory consistency.
18. Sand and dust between each coat.
19. Where painting is around existing mechanical and electrical fixtures and equipment, coordinate with other trades to remove face plates and/or trim before painting.

10 25 13 PATIENT BED SERVICE WALLS

1. Provide factory fabricated pre-piped and pre-wired patient bed service wall units including but not limited to following:
- 1.1. surface mounted horizontal headwall units
2. Submit product data and samples in accordance with SECTION 01 33 00 SUBMITTAL PROCEDURES and per manufacturer's instructions and recommendations.
3. Certifications:
- 3.1. Refer to manufacturer's instructions and recommendations for required certifications.
4. Regulatory Requirements Submittals:
- 4.1. Refer to manufacturer's instructions and recommendations for required submittals.
5. Samples:
- 5.1. Plastic laminates minimum 300mm (12") square.
6. Closeout Submittals:
- 6.1. Refer to manufacturer's instructions and recommendations for required submittals.
7. Description:
- 7.1. Product : Amico - Majestic Series or approved equivalent
- 7.1. Configuration : Single-tier
- 7.2. Mounting : Surface mounted
- 7.3. Sizes : As Indicated on Drawings
- 7.4. Enclosure : extruded anodized aluminum alloy sections. Provide 16 gauge full-length galvanized steel backing plate, complete with knock out locations for each individual power source and medical gas termination.
- 7.5. Fascia : Aluminum strips with plastic laminate panels as specified herein.
- 7.6. Covers and End caps (as applicable):
- 7.6.1. Top and bottom cover panels: manufactured from powder coated extruded aluminum.
- 7.6.2. End caps : manufactured from injection molded ABS fire retardant plastic.
- 7.6.3. Service Chase: Not applicable.
- 7.7. Integrated Accessory Rails: Design rail system with no sharp edges to meet infection prevention and control requirements and to provide access for cleaning purposes.
- 7.7.1. Single-tier headwall system : Provide two (2) accessory channels integrated into aluminum extrusion assembly with no mechanical screws used to affix rail headwall.
- 7.7.2. Finish : clear etched anodized finish.
- 7.7.3. Plastic Laminate : Colours and Finishes to be selected by Consultant.
8. Components:
- 8.1. Ensure components specified in this Section are factory installed and tested.
- 8.2. Provide components recessed into gypsum board assemblies properly sealed to maintain acoustic ratings.
- 8.3. Medical Gas Piping and Medical Gas Outlets: Location, style and type as recommended by manufacturer. Ensure each outlet, piping and manifold are factory tested to pass a 24 hour standing pressure test.
- 8.4. Provide cover plates and trim plates for all provisions unless indicated otherwise.
- 8.5. Ensure patient bed service walls can accommodate provisions including, but not limited to, nurse call equipment, monitoring equipment, data jacks, phone jacks, lighting, etc.
9. Accessories:
- 9.1. Provide accessories indicated on Drawings.
10. Finishes:
- 10.1. Steel : Hot-dip galvanized after fabrication, ASTM A123 or ASTM A653
- 10.2. Aluminum: Class 1, clear anodic finish, complying with AAMA 611
11. Comply with manufacturer's written recommendations, including product technical bulletins, handling, storage and installation instructions, and datasheets.
12. Verify actual site dimensions and location of adjacent materials prior to commencing work. Notify Consultant in writing of any conditions which would be detrimental to the installation.
13. Install headwall units in accordance with manufacturer's instructions and recommendations.
14. Anchor all fixed components securely, square, level, and plumb at heights indicated on drawings.
15. Arrange and Provide a demonstration of the systems in a series of tests for the Owner's and Consultant's verification.
16. Clean all surfaces to remove all marks, soil, and foreign matter immediately after installation and adjustment are complete.
17. Recheck all components and perform any necessary additional cleaning just prior to substantial completion.
18. Protect installed headwall from damage during remaining construction work.

10 26 00 CORNER GUARDS

1. Submit product data and samples in accordance with SECTION 01 33 00 SUBMITTAL PROCEDURES
2. Description:
- 2.1. Corner Guards : L- shape with 3" flange - see drawings for heights and locations
- Approved Product : See Finish Specification on Dwg A5.03
- 2.2. Wall Protection : High impact rigid sheet supplied in 4' x 8' or 10' (1.22m x 2.44m or 3.05m) sheet sizes in suede texture.
- Approved Product : See Finish Specification on Dwg A5.03
- 2.3. Crash Rails : See Finish Specification on Dwg A5.03
3. Colours : Allow three (3) colour See Finish Specification on Dwg A5.03
4. Install in accordance with manufacturer's recommendations. Fix mechanically through wall finishes into framing. Heights in accordance with drawings.
5. Protect installed products until completion of project.
6. Touch-up, repair or replace damaged products before Substantial Completion.

12 20 00 WINDOW TREATMENT (NOT APPLICABLE)

1. Submit product data and samples in accordance with Section 01 33 00 SUBMITTAL PROCEDURES
2. Submit manufacturer's shop drawings, including plans, elevations, sections, product details, installation details, operational clearances, wiring diagrams, assembly and mounting details, detail installation details, and recommendations and fit-up to adjacent work, finishes, options and accessories.
4. Product shall be delivered to site in manufacturer's original packaging.
5. Product shall be handled and stored to prevent damage to materials.
- Roller Shades:
- 6.1. Intended use: Office
- 6.2. Height: See drawings for height, lengths and location.
- 6.3. Color: One (1) color to be selected by Consultant from manufacturer's complete range.
- 6.4. System: Manual
- 6.5. Approved Product: See Finish Specification on Dwg A5.03
6. Install in accordance with manufacturer's instructions. Install support brackets and with clearance sufficient to permit unencumbered operation of shade and hardware as recommended by manufacturer.

7. Fabric: Install straight and flat without buckling or distortion.
8. Protect installed products until completion of project.
9. Touch-up, repair or replace damaged products before Substantial Completion.

13 09 00 RADIATION PROTECTION

1. Section Includes
- 1.1. Lead sheets
- 1.2. Lead-lined hollow metal door frames with lead-lined wood doors
- 1.3. Lead-lined hollow metal view window frames with radiation shielding leaded glass
2. References:
- 2.1. Physicist report prepared by Owner's radiation physicist
- 2.2. Specifications for Commercial Steel Doors and Frames and Canadian Fire Labelling Guide by the Canadian Steel Door and Frame Manufacturers Association (CSDFMA).
- 2.3. Architectural Woodwork Manufacturers Association of Canada (AWMAC) and Architectural Woodwork Institute (AWI)
- 2.4. Health Canada Safety Code 35 - Radiation Protection in Radiology (2008)
- 2.5. Guideline and Checklist for installation of Lead Shielding in a Diagnostic X-ray Facility from the Centre for Disease Control of BC and NCRP Report 147 (2006)
- 2.6. Canadian Nuclear Safety Commission Regulations and Guidelines R129 Rev 1(2004) and RD52(2010)
3. Submittals:
- 3.1. Product Data: Manufacturer's data sheets on each product to be used
- 3.2. Shop Drawings: Indicate dimensions, description of materials and finishes, general construction, layout of radiation-protected areas, lead thicknesses or lead equivalencies of components.
- 3.3. Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product, color, and patterns.
4. System Requirements:
- 4.1. Materials, thicknesses, and configurations indicated on drawings are based on radiation protection design prepared by Owner's radiation health physicist. Provide radiation protection consistent with materials specified in thicknesses and locations indicated.
- 4.2. Provide materials and workmanship, including joints and fasteners, that maintained continuity of radiation protection at all points and directions equivalent to materials specified in thicknesses and locations indicated.
- 4.3. Lead-Lined Assemblies: Provide lead thickness in doors, door frames, window frames, and other items located in lead-lined assemblies, not less than that indicated for assemblies in which they are installed unless indicated otherwise.
- 4.4. Lead Glazing: Provide lead equivalence not less than that indicated for assembly in which glazing is installed unless indicated otherwise.
5. Materials:
- 5.1. Lead Sheets: 99.9 percent pure unpierced virgin lead, free from dross, oxide inclusions, scale, laminations, blisters, and cracks.
- 5.2. Lead must be "rolled" lead, not acoustic or sound proofing lead.
- 5.3. Thickness: As shown on drawings and no less than 1/32 inch (0.7 mm) if not indicated.
- 5.4. Variation in sheet thickness shall not exceed 3 percent.
6. Manufactured Units:
- 6.1. Lead-Lined Wood Doors:
- 6.1.1. Construction: Refer to Section 80 14 00 Wood doors
- 6.1.2. Flush veneered construction using single continuous layer of sheet lead in center of door. Laminate wood cores under hydraulic pressure on each side of lead.
- 6.1.3. Extend sheet lead lining to door edges providing X-Ray absorption equal to partition in which door
- 6.1.4. Edge Strips: Minimum thickness of 2 inches (51 mm) each edges of door
- 6.1.5. Shield cutouts for locksets with lead sheet of same thickness used in door. Lap lining of cutouts with door lining 1 inch (25 mm).
- 6.1.6. Provide lead-lined astragals for pairs of doors.
- 6.2. Lead-Lined Hollow Metal Door Frames:
- 6.2.1. 16 gage (1.5 mm) welded steel frames with 4-7/8 inches (124 mm) throat and 2 inches (51 mm) face. Provide angle iron spot welded at 6 inches (152 mm) on center, and anchor bolts to secure frame if lead thickness is 1/8 inch (3 mm) or greater.
- 6.2.2. Door Frame Supports: Double 16ga metal studs both sides anchored to structural slab above - see SECTION 09 22 16 NON STRUCTURAL METAL FRAMING for metal stud requirements
- 6.3. Radiation Shielding Leaded Glass:
- 6.3.1. Clear leaded glass containing 48 percent lead oxide (by weight) and 15 percent barium. Thickness as required to provide radiation protection equivalent to that provided by sheet lead in partition in which lead glass is installed. Equivalencies based on 150 KVP unless indicated otherwise.
- 6.4. Lead-Lined Hollow Metal View Window Frames:
- 6.4.1. 16 gage (1.5 mm) welded steel frames adjustable from 4-1/4 inches (108 mm) to 6 inches (152 mm) wall thickness. Design window frames to accept any thickness of radiation shielding leaded glass, radiation shielding X-Ray safety glass, or radiation shielding leaded acrylic.
- 6.4.2. Protection: Provide radiation protection equivalent to that provided by sheet lead in partition in which view window is installed.
- 6.4.3. Stops: Provide 1/2 inch (13 mm) removable stops.
7. Installation of doors and frames:
- 7.1. Install lead-lined steel door frames per SECTION 08 10 00 HOLLOW METAL DOORS AND FRAMES
- 7.1.1. Lap lead lining of frames over lining in walls at least 1 inch (25 mm).
- 7.1.2. Lead Lining of Frames: Line inside of frames with lead of thickness not less than that required in doors and walls in which frames are used. Form lead to match frame contour, continuous in each jamb and across head, lapping stops. Form lead shields around areas prepared to receive hardware. Lap lining over lining in walls at least 1 inch (25 mm).
- 7.2. Install lead-lined wood doors per SECTION 08 14 00 WOOD DOORS
- 7.3. Line covers, escutcheons, and plates to provide shielding at cutouts and penetrations of frames and doors.
8. Installation of window frames and glazing to maintain continuity of radiation protection and with radiation resistant glazing in frame.
9. Installation of lead sheet
- 9.1. Screwed lead sheet directly on steel stud. All seams must be on studs and seams must overlap by a minimum of 2".
- 9.2. If there are solid structural column, lead sheet needs only to overlap column by 4" (100mm)
- 9.3. At any penetrations of lead linings, provide lead shields to maintain continuity of protection.
- 9.4. Outlet Boxes and Conduit: Cover or line with lead sheet lapped over adjacent lead lining at least 1 inch (25 mm). Wrap conduit with lead sheet for 10 inches (250 mm) from box.
- 9.5. Duct Openings: Unless otherwise indicated, line or wrap ducts with lead sheet for distance from partition/ceiling equal to 3 times the largest opening dimension. Lap lead sheet with adjacent lead lining at least 1 inch (25 mm).
- 9.6. Piping: Wrap piping with lead sheet for 10 inches (250 mm) from point of penetration.
- 9.7. Secure shields at penetrations using adhesive or wire ties, but not penetrating fasteners.
10. Field Quality Control
- 10.1. Field Inspection: Lead installation must be examined, tested and approved by qualified independent testing agency and/or radiation health physicist hired by Owner before installation of drywall.
- 10.2. Correct deficiencies and remove and replace radiation protection that inspection reports indicate does not comply with specified requirements.
11. Protection
- 11.1. Lock radiation-protected rooms once doors hardware is installed. Limit access to only those persons performing Work in radiation-protected rooms or as directed by Owner.

ARCHITECT :



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8	TENDER ADDENDUM 1		JUNE 10, 2021 RC
7	NOT ISSUED	-	-
6	NOT ISSUED	-	-
5	NOT ISSUED	-	-
4	NOT ISSUED	-	-
3	NOT ISSUED	-	-
2	NOT ISSUED	-	-
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BC V2M 1S2

PHASE 2 - GEN FLUORO
SPECIFICATIONS -
MATERIALS & FINISHES

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

PHASE 2
A7.03