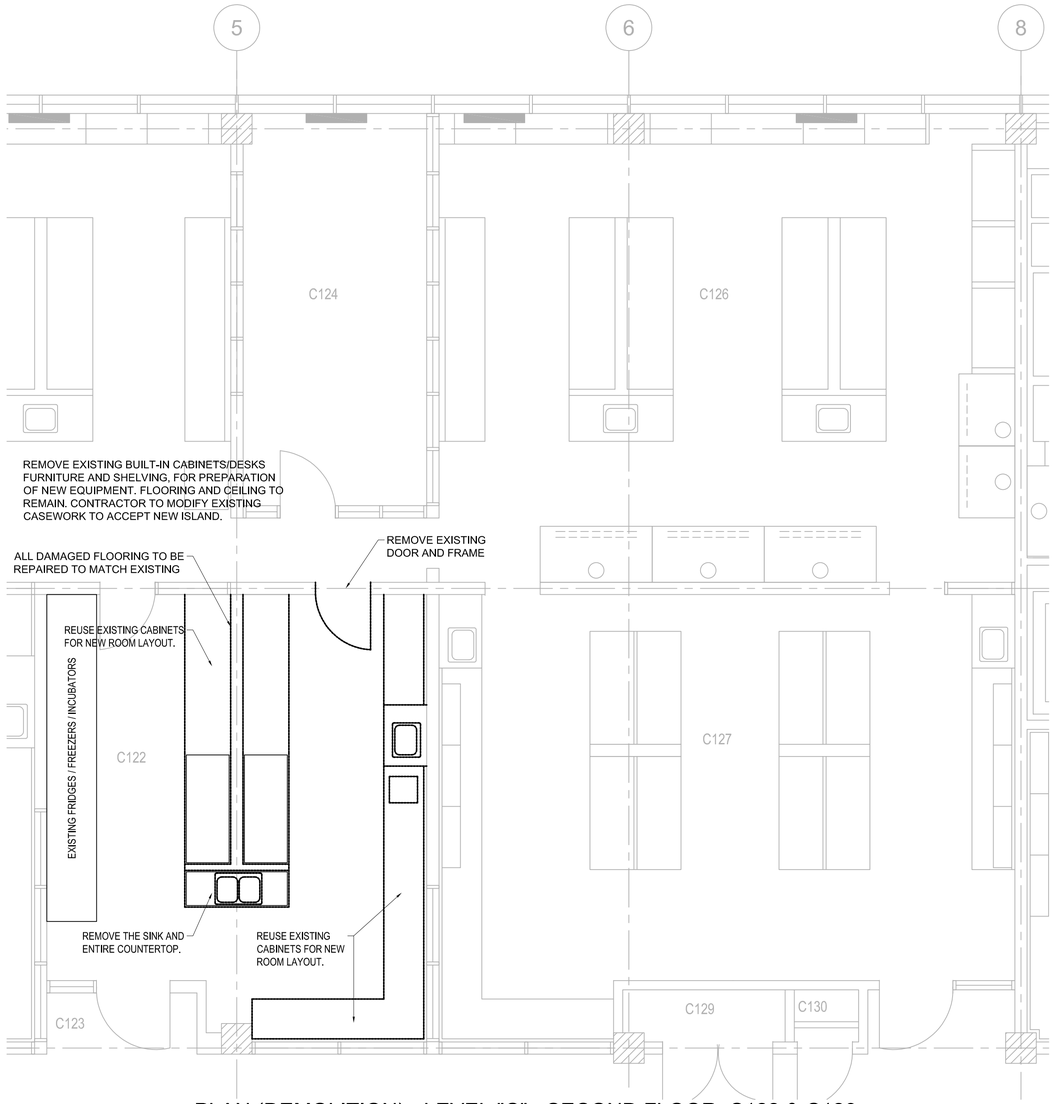
TITLE BLOCK @ 1:1 FULL SIZE = A1 (841mm x 594mm)



PLAN (DEMOLITION) - LEVEL "C" - SECOND FLOOR, C122 & C126

SCALE: 1:50

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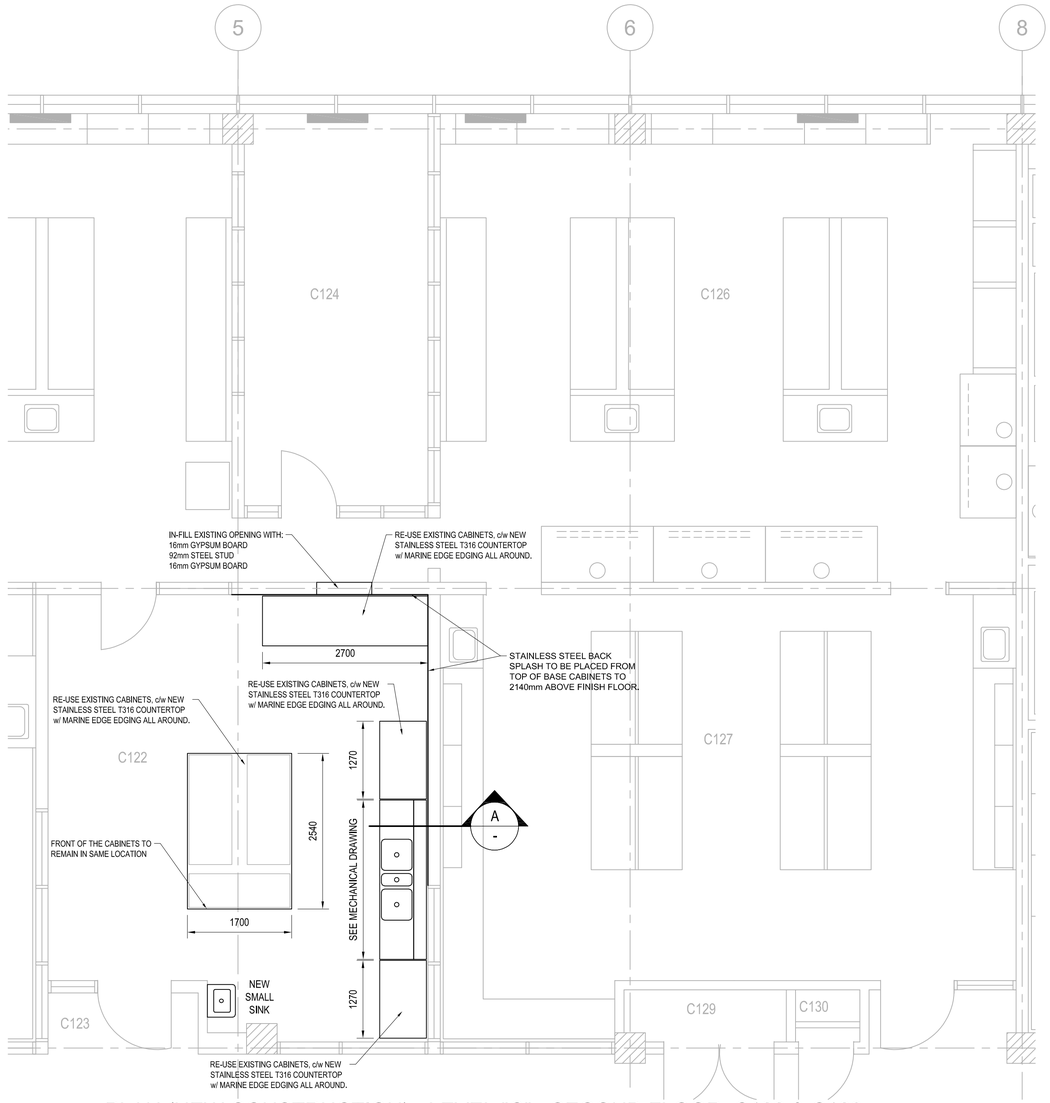

PLAN (NEW CONSTRUCTION) - LEVEL "C" - SECOND FLOOR, C122 & C126

SCALE: 1:50

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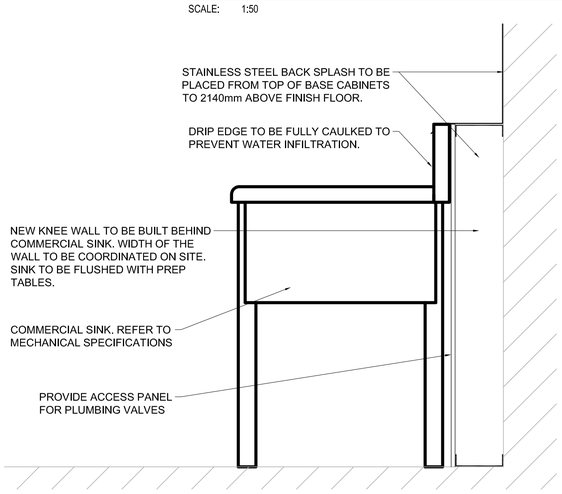


A - SECTION

SCALE: 1:10

1:10 100 0 100 200 300 400 500 600 700 mm

GENERAL REQUIREMENTS

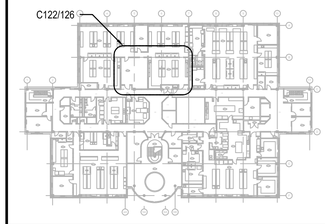
1. THE GENERAL CONTRACTOR SHALL ACT IN THE CAPACITY OF PRIME CONTRACTOR. CUTTING, PATCHING, ELECTRICAL, HAVC, PLUMBING, CONTROLS AND THE LIKE SHALL BE PROVIDED BY THIS CONTRACTOR.
2. CO-ORDINATE WORK OF ALL SUB TRADES AND WITH THE OWNER.
3. UNLESS SPECIFICALLY NOTED, DEMOLITION TO BE HANDLED BY CONTRACTOR.
4. REMOVE ALL DEMOLISHED MATERIAL FROM SITE AND PAY ALL TRANSPORTATION, TIPPING AND OTHER FEES ASSOCIATED WITH MATERIAL DISPOSAL. SUPPLY ANY ITEMS BACK TO OWNER WHEN DIRECTED.
5. BIDDERS SHALL VISIT THE SITE DURING THE TENDER PERIOD TO ACQUAINT THEMSELVES WITH THE EXISTING CONDITIONS AND OBSTRUCTIONS AFFECTING THEIR WORK. NO COMPENSATION SHALL BE ALLOWED FOR THEIR FAILURE TO DO SO.
6. BUILDING WILL BE OCCUPIED AT ALL TIMES DURING REGULAR OPERATING HOURS OF 6:00 AM TO 6:00 PM. PROVIDE AFTER HOURS WORK FOR ANY SHUTDOWN OF SYSTEMS THAT MAY AFFECT BUILDING OCCUPANTS.
7. ALL DISRUPTIONS TO ANY EXISTING SYSTEMS SHALL BE MADE AT THE TIME APPROVED BY THE OWNER.
8. COMPLY WITH ALL LATEST BUILDING, MECHANICAL, ELECTRICAL, LABOR AND APPLICABLE CODES AND REGULATIONS AND LOCAL AUTHORITIES HAVING JURISDICTION.
9. ARRANGE AND PAY FOR ALL INSPECTIONS, EXAMINATIONS, CERTIFICATIONS AND APPROVALS REQUIRED FOR PERFORMANCE OF WORK.
10. REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PLACING ORDERS AND PROCEEDING WITH THE CONSTRUCTION.
11. SUBMIT SHOP DRAWINGS (IN PDF FORMAT) TO ENGINEER FOR REVIEW PRIOR TO PLACING ORDER FOR EQUIPMENT.
12. SUPPLY AND INSTALL ALL NEW ITEMS UNLESS SPECIFICALLY NOTED OTHERWISE.
13. PROVIDE ALL LIFTING, HOISTING, RIGGING, AERIAL ACCESS AND OTHER EQUIPMENT REQUIRED FOR PERFORMANCE OF WORK
14. PROVIDE ALL NECESSARY EQUIPMENT, ANCILLARIES, LABOR, WARRANTIES, CERTIFICATIONS AND LICENSES AS REQUIRED FOR A COMPLETE WORKING SYSTEM, REGARDLESS IF SPECIFICALLY LISTED.
15. REPAIR AND MAKE GOOD DAMAGE TO ANY OTHER WORK AT NO EXTRA CHARGE.
16. DO NOT ALLOW CONSTRUCTION MATERIAL TO ACCUMULATE ON SITE. CLEAN UP AT THE END OF EACH DAY AND AT THE COMPLETION OF THE JOB.
17. RECORD THE ACTUAL INSTALLATION ON A SET OF CONSTRUCTION DRAWINGS AND RETURN TO THE OWNER UPON COMPLETION OF WORK.
18. PROVIDE THE OWNER WITH 12 MONTHS WRITTEN GUARANTEE OF MATERIALS AND WORKMANSHIP. WITHIN THAT PERIOD, REPAIR AND REPLACE ALL DEFECTS WITH NO ADDITIONAL COSTS TO THE OWNER.
19. FIRE STOP ALL PENETRATIONS THROUGH FIRE SEPARATION WALL.

EASTPOINT

CLIENT NAME / LOGO:

CFIA·ACIA

KEY PLAN:



REV	DESCRIPTION	APP	DATE
0	ISSUED FOR TENDER	HR	07DEC2018

PROJECT NAME:
DARTMOUTH LABORATORY FIT-UP PHASE I

JOB LOCATION:
DARTMOUTH, N.S.

DRAWING TITLE:
ARCHITECTURAL
SECOND FLOOR LAYOUT PLANS
ROOMS C122 & C126
(DEMOLITION AND NEW)

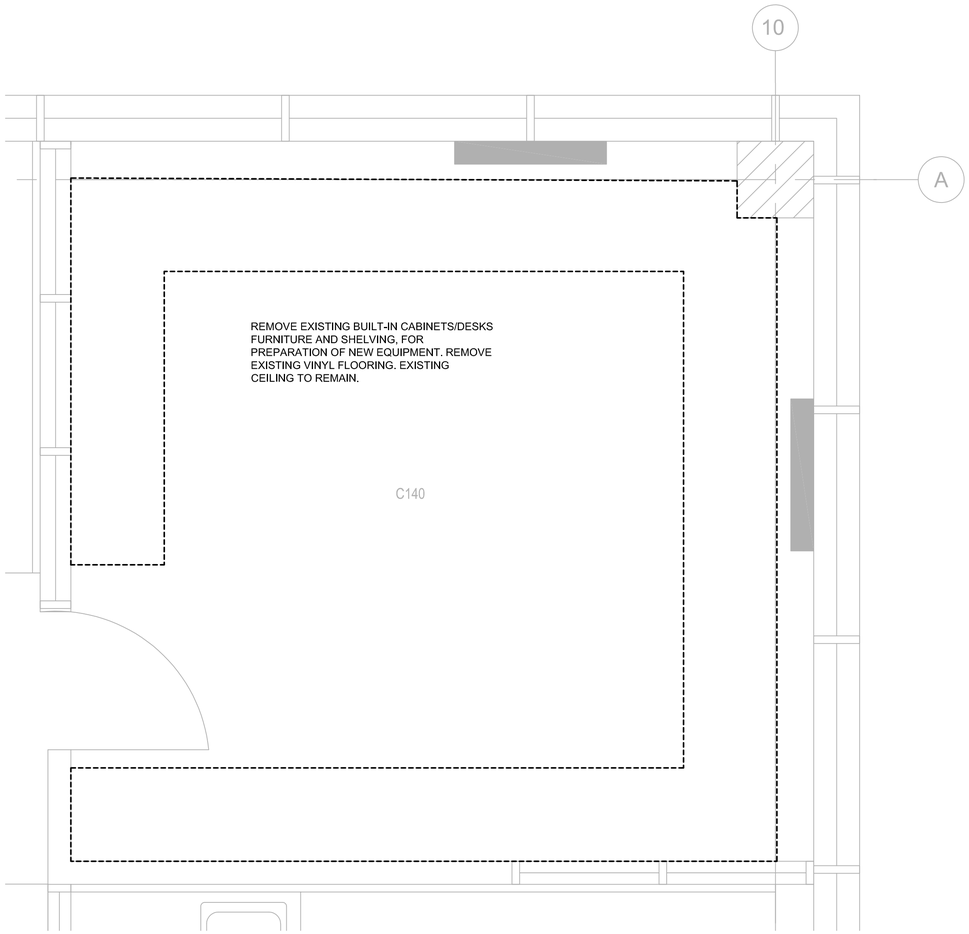
DWN BY:	DM	CKD BY:	EJM
DES BY:	DM	SHT NO:	X

SCALE: AS SHOWN

CLIENT JOB NO:	EASTPOINT JOB NO:
-	600011

DRAWING NO:	REV:
A-003	0

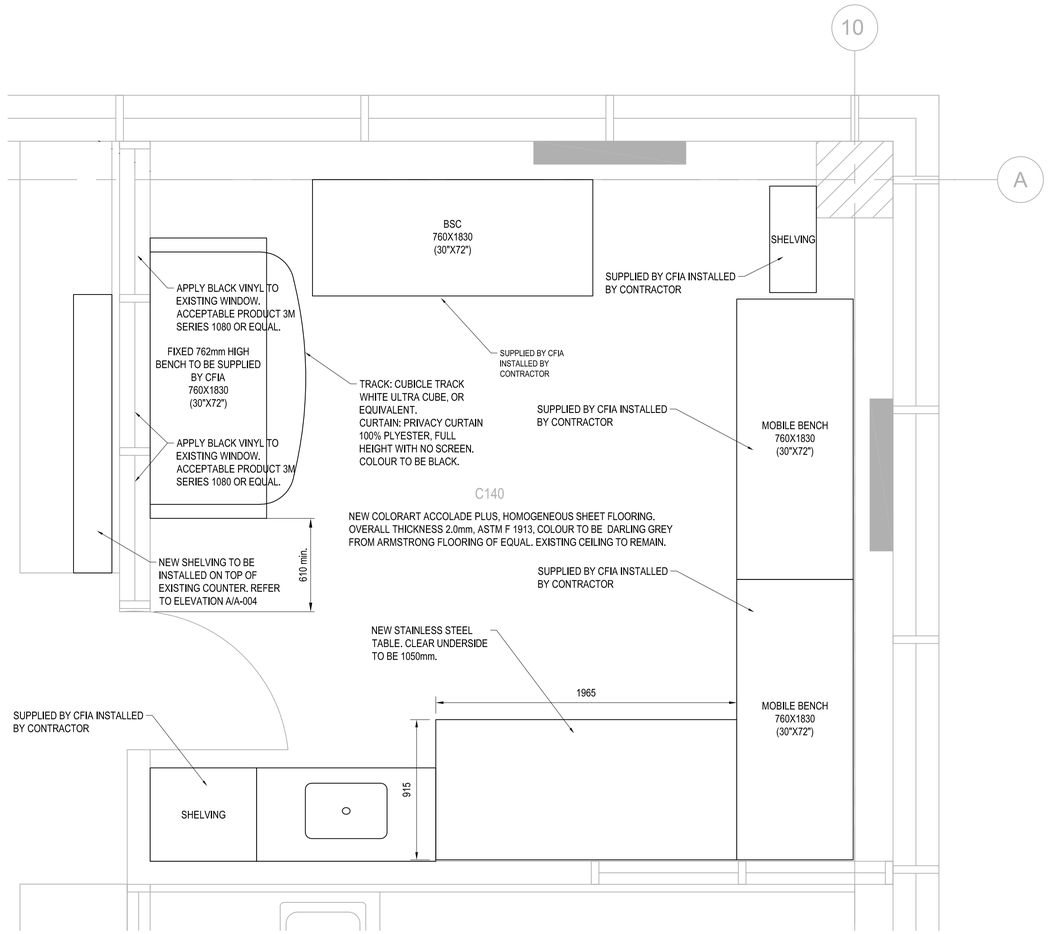
10 Dec 2018 - 9:00:27 AM - Dragan Monaco - I:\600 CFIA\600011 Dartmouth Lab Fit Up Phase 1\Drawings\A-003.dwg



PLAN (DEMOLITION) - LEVEL "C" - SECOND FLOOR, C140

SCALE: 1:20

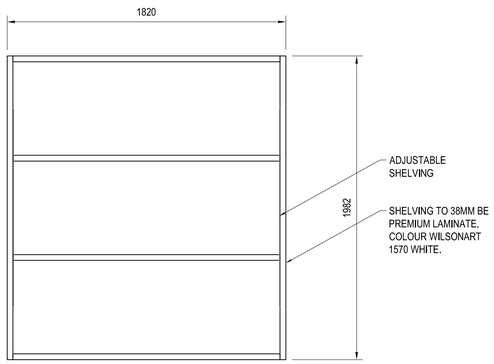
1:20 500 0 500 1000 mm



PLAN (NEW CONSTRUCTION) - LEVEL "C" - SECOND FLOOR, C140

SCALE: 1:20

1:20 500 0 500 1000



A
-
ELEVATION

SCALE: 1:20

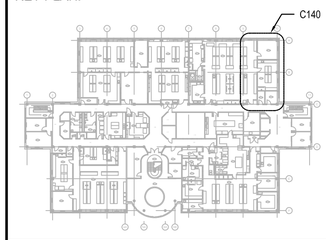
1:20 500 0 500 1000 mm

EASTPOINT

CLIENT NAME / LOGO:

CFIA·ACIA

KEY PLAN:



REV	DESCRIPTION	APP	DATE
0	ISSUED FOR TENDER	HR	7DEC2018

PROJECT NAME:
DARTMOUTH LABORATORY
FIT-UP PHASE I

JOB LOCATION:
DARTMOUTH, N.S.

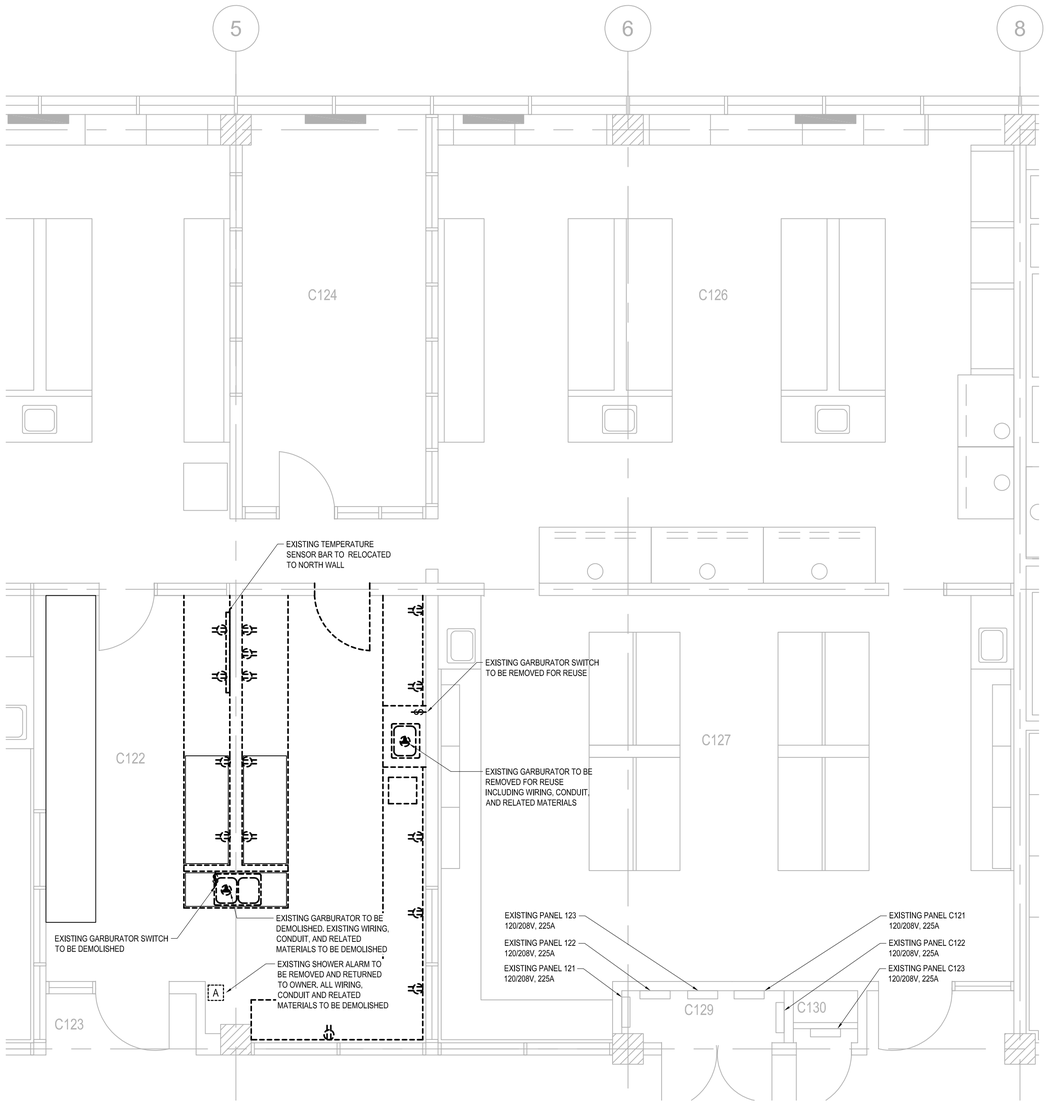
DRAWING TITLE:
ARCHITECTURAL
SECOND FLOOR LAYOUT PLANS
ROOM C140
(DEMOLITION AND NEW)

DWN BY:	SS	CKD BY:	PM
DES BY:	DM	SHT NO:	X

SCALE: AS SHOWN

CLIENT JOB NO:	EASTPOINT JOB NO:
-	600011

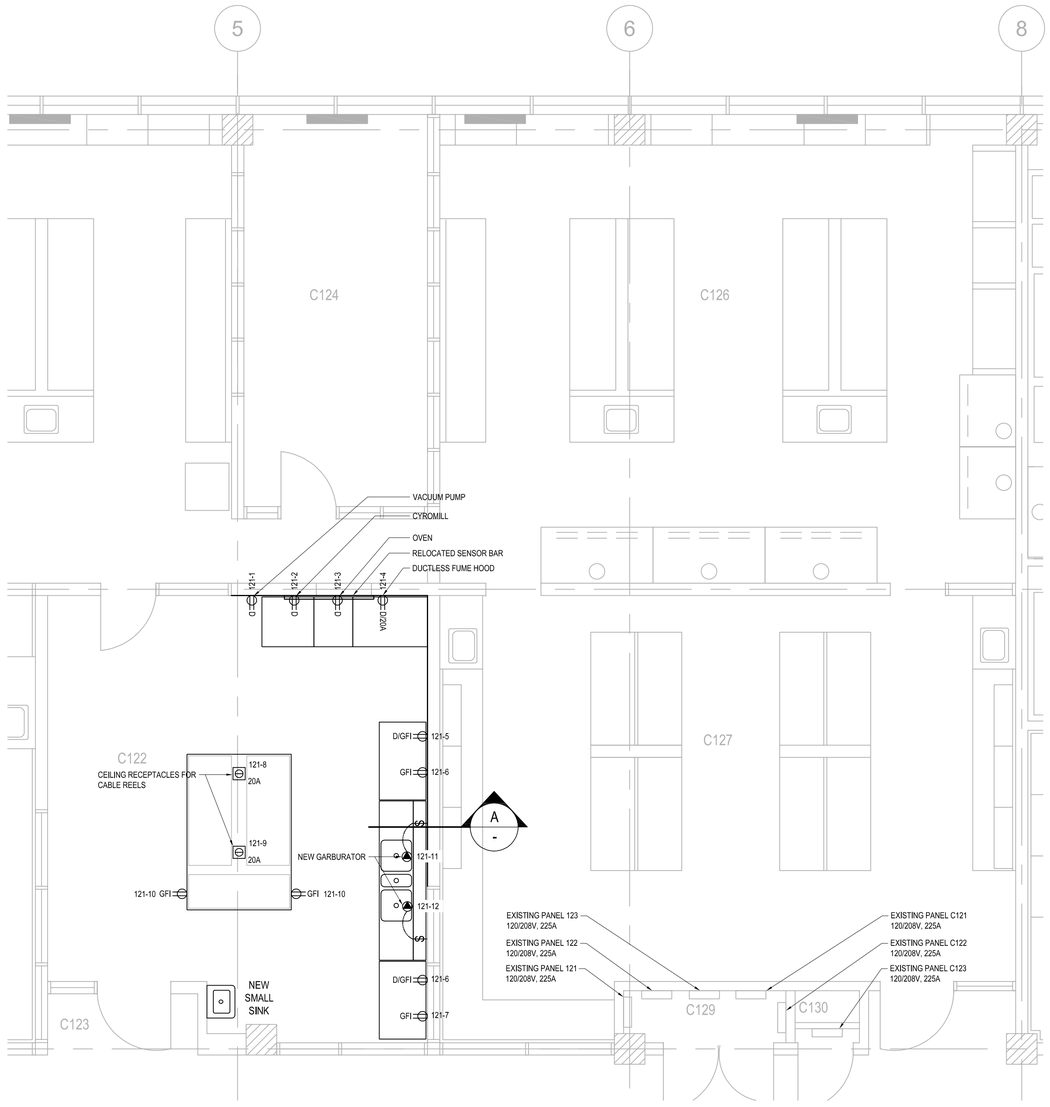
DRAWING NO:	REV:
A-004	0



PLAN (DEMOLITION) - LEVEL "C" - SECOND FLOOR, C122 & C126

SCALE: 1:50

1:50 500 0 500 1000 1500 2000 2500 3000 3500 mm



PLAN (NEW CONSTRUCTION) - LEVEL "C" - SECOND FLOOR, C122 & C126

SCALE: 1:50

1:50 500 0 500 1000 1500 2000 2500 3000 3500 mm

GENERAL NOTES

1. THESE GENERAL NOTES APPLY TO ALL DRAWINGS, DESIGN, EQUIPMENT, FABRICATION, CONSTRUCTION AND ANY OTHER ASPECTS ASSOCIATED WITH THIS WORK.
2. THE CONTRACTOR IS TO CONSTRUCT BASED UPON THE DESIGN AND TYPICAL DETAILS PROVIDED HERE IN AND IN ACCORDANCE WITH THE CANADIAN ELECTRICAL CODE, DEVIATIONS ARE TO BE APPROVED BY THE OWNER OR THEIR DESIGNATE. CONSTRUCTION THAT IS NOT DETAILED WILL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND MUST MEET CANADIAN ELECTRICAL CODE, AND ACCEPTED INDUSTRIAL PRACTICES, SUBJECT TO THE APPROVAL OF THE OWNER. THE CONTRACTOR IS TO IDENTIFY ANY DISCREPANCIES BETWEEN THE DRAWINGS, CANADIAN ELECTRICAL CODE, OR ACCEPTED INDUSTRY PRACTICES TO THE OWNER FOR CLARIFICATION.
3. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION, TESTING, AND COMMISSIONING OF ALL NEW ELECTRICAL EQUIPMENT INSTALLED UNDER THIS WORK SCOPE.
4. REMOVE ALL DEMOLISHED MATERIAL FROM SITE AND PAY ALL TRANSPORTATION, TIPPING AND OTHER FEES ASSOCIATED WITH MATERIAL DISPOSAL.
5. UNLESS SPECIFICALLY NOTED, DEMOLITION TO BE HANDLED BY CONTRACTOR.
6. LOCATION OF EQUIPMENT IS SHOWN APPROXIMATE. DO NOT SCALE LOCATION OFF DRAWINGS. SELECT THE FINAL LOCATION TO SUIT ACTUAL SITE SITUATION.
7. REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PLACING ORDERS AND PROCEEDING WITH THE CONSTRUCTION.
8. SUPPLY AND INSTALL ALL NEW ITEMS UNLESS SPECIFICALLY NOTED OTHERWISE.
9. PROVIDE ALL LIFTING, HOISTING, RIGGING, AERIAL ACCESS AND OTHER EQUIPMENT REQUIRED FOR PERFORMANCE OF WORK.
10. PROVIDE ALL NECESSARY EQUIPMENT, ANCILLARIES, LABOR, WARRANTIES, CERTIFICATIONS AND LICENSES AS REQUIRED FOR A COMPLETE WORKING SYSTEM, REGARDLESS IF SPECIFICALLY LISTED.
11. RECORD THE ACTUAL INSTALLATION ON A SET OF CONSTRUCTION DRAWINGS AND RETURN TO THE OWNER UPON COMPLETION OF WORK.
12. PROVIDE THE OWNER WITH 12 MONTHS WRITTEN GUARANTEE OF MATERIALS AND WORKMANSHIP. WITHIN THAT PERIOD, REPAIR AND REPLACE ALL DEFECTS AT NO ADDITIONAL COST TO THE OWNER.
13. DO NOT ALLOW CONSTRUCTION MATERIAL TO ACCUMULATE ON SITE. CLEAN UP AT THE END OF EACH DAY AND AT THE COMPLETION OF THE JOB.
14. THE CONTRACTOR IS TO REPAIR ANY DAMAGE TO THE EXISTING WALLS, CEILING, ROOF, OR FLOOR CAUSED BY THE WORK INVOLVED WITH THIS PROJECT AND FILL IN AND COVER IN KIND ANY HOLES THAT ARE LEFT FROM THE REMOVAL OF ANY WIRING, ELECTRICAL MATERIALS, OR ELECTRICAL EQUIPMENT.
15. CONTRACTOR TO PROVIDE AND INSTALL FIRE STOPPING WHERE CONDUITS PASS THROUGH FIRE WALLS AND PARTITIONS.
16. WIRE SIZE TO BE AS INDICATED ON THE DRAWINGS OR TO MATCH CIRCUIT BREAKER RATING.
17. ELECTRICAL CONTRACTOR IS TO VISIT SITE PRIOR TO BIDDING TO FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS AS THEY EFFECT THE ELECTRICAL INSTALLATION, FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY TO PROVIDE A COMPLETE INSTALLATION. NO EXTRA MONEY CLAIMS WILL BE CONSIDERED FOR WORK RELATING TO THIS SECTION BECAUSE OF FAILURE TO THOROUGHLY EXAMINE THE SITE.
18. OBTAIN AND PAY FOR ALL FEES AND PERMITS AND C.S.A. APPROVALS REQUIRED BY ANY AUTHORITY HAVING JURISDICTION.
19. ALL MATERIAL SHALL BE NEW AND C.S.A. APPROVED UNLESS OTHERWISE NOTED. ALL MODIFICATIONS TO BE C.S.A. APPROVED AS REQUIRED.
20. ALL WORK IN THIS CONTRACT TO BE COORDINATED WITH OTHER DISCIPLINE DRAWINGS TO DETERMINE EXACT LOCATIONS OF EQUIPMENT, ETC. REPORT ANY DISCREPANCIES TO THE OWNER REPRESENTATIVE.
21. PROVIDE AN INSPECTION CERTIFICATE BY ELECTRICAL INSPECTION AUTHORITY ON COMPLETION OF WORK.
22. ALL CONDUITS AND CABLES TO BE SECURELY FASTENED WITH APPROVED MOUNTING HARDWARE.
23. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING THE OWNER'S SAFE LOCK OUT PROCEDURES WHEN ISOLATING POWER CIRCUITS. ALL WORK AND POWER INTERRUPTIONS ARE TO BE COORDINATED WITH THE OWNER.
24. THE CONTRACTOR IS TO SUPPLY ALL NECESSARY EQUIPMENT, FIELD DEVICES, AND MATERIALS FOR THE INDICATED WORK.
25. ELECTRICAL LOADS ARE TO BE ADDED TO PANELS IN A MANNER THAT KEEPS LOAD BALANCE BETWEEN THE PHASES. THE OWNER'S REPRESENTATIVE IS TO BE NOTIFIED OF ANY CHANGES TO THE PANEL SCHEDULE, AND THE CONTRACTOR IS TO MARK-UP THE PANEL SCHEDULE TO REFLECT THE CHANGES.

ELECTRICAL CONSTRUCTION NOTES

1. INSTALL POWER RECEPTACLES THROUGHOUT THE SPACE AS SHOWN ON THE DRAWINGS INCLUDING ALL WIRING, EMT CONDUIT AND FITTINGS, AND JUNCTION BOXES. CIRCUITING TO BE AS PER DRAWINGS WHERE INDICATED, OTHERWISE TO BE CIRCUITED BY CONTRACTOR AND THE PANEL SCHEDULE DRAWINGS MARKED UP. REUSE EXISTING CIRCUITS AND WIRING WHERE POSSIBLE.
2. CIRCUITING ON DRAWINGS IS INTENDED TO SHOW CIRCUIT GROUPS, NOT ACTUAL CIRCUIT NUMBERS.
3. CONTRACTOR TO INSTALL A MAXIMUM OF 8, 15A DUPLEX FURNITURE RECEPTACLES TO A CIRCUIT. DEVICES AND EQUIPMENT REQUIRING A DEDICATED CIRCUIT AS PER DRAWING.
4. CONTRACTOR TO REUSE EXISTING ELECTRICAL FEEDS FROM EXISTING ELECTRICAL POWER PANELS TO NEW SPACE, INCLUDING BUT NOT LIMITED TO JUNCTION BOXES AND BRANCH CIRCUIT WIRING WHERE POSSIBLE.
5. CONTRACTOR TO SUPPLY AND INSTALL NEW BREAKERS AS NECESSARY FOR ELECTRICAL DEVICES AND MECHANICAL EQUIPMENT TO CIRCUIT NEW SPACE.
6. CONTRACTOR TO SUPPLY AND INSTALL NEW 2-POLE, 25A CIRCUIT BREAKER FOR COND-1.
7. ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL COMMUNICATION CABLES, CONDUIT AND RELATED SUPPORTS
8. CONTRACTOR TO REUSE EXISTING LIGHTING CIRCUITS AND WIRING WHERE POSSIBLE.
9. CONTRACTOR TO COORDINATE AND REVIEW DRAWING AND NOTES PACKAGE WITH OTHER DISCIPLINES AND OWNERS REPRESENTATIVE FOR EXACT LOCATION OF EQUIPMENT AND DEVICES

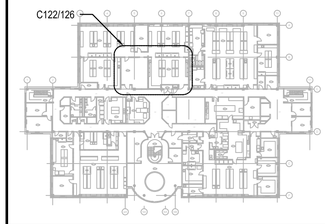
REGISTERED PROFESSIONAL ENGINEER
07/12/2018
DATE
J.B. MacDONALD
6720
PROVINCE OF NOVA SCOTIA

EASTPOINT

CLIENT NAME / LOGO:

CFIA·ACIA

KEY PLAN:



LEGEND

----------	TO BE DEMOLISHED
	15A DUPLEX RECEPTACLE
20A/D	20A DEDICATED RECEPTACLE
GF/D	GROUND FAULT DEDICATED RECEPTACLE
GF	GROUND FAULT RECEPTACLE
20A	CEILING RECEPTACLE
	DIRECT CONNECTION
$	GARBURATOR SWITCH

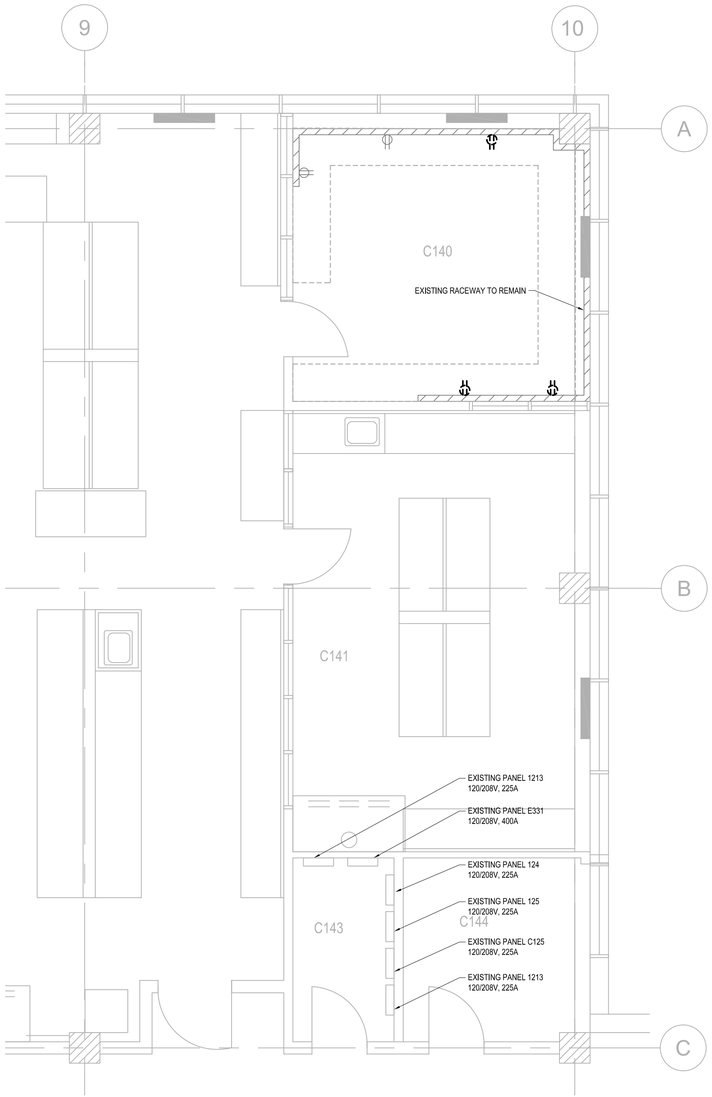
REV	DESCRIPTION	APP	DATE
0	ISSUED FOR TENDER	HR	07DEC2018

PROJECT NAME:
DARTMOUTH LABORATORY FIT-UP PHASE I

JOB LOCATION:
DARTMOUTH, N.S.

DRAWING TITLE:
POWER
SECOND FLOOR LAYOUT PLANS
ROOMS C122 & C126
(DEMOLITION AND NEW)

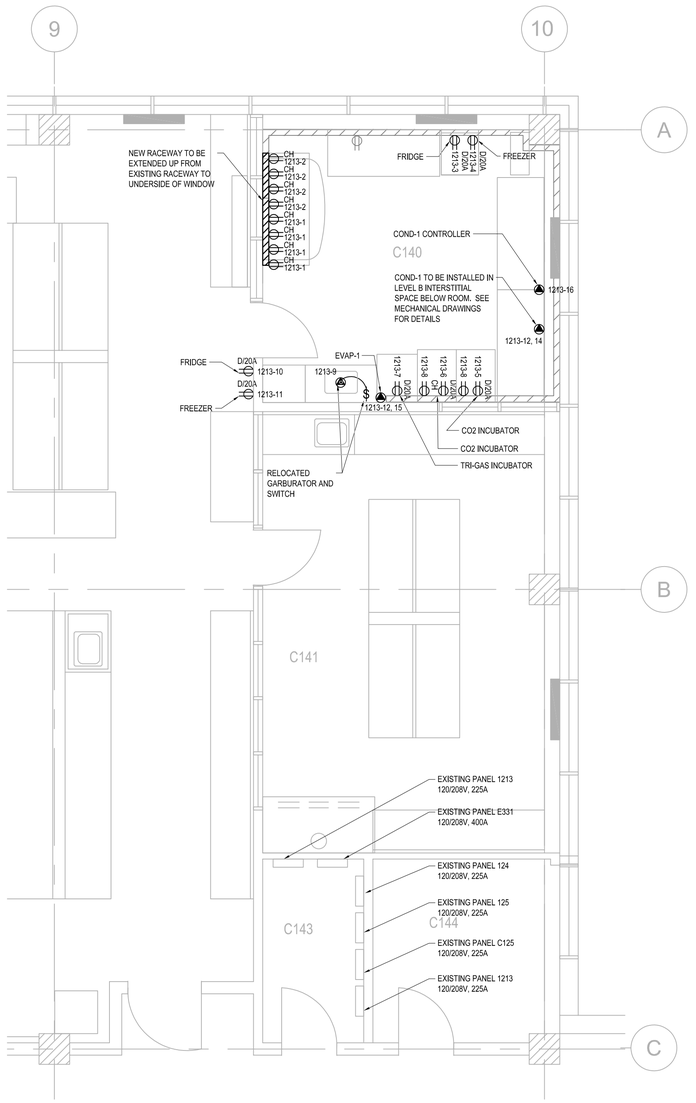
DWN BY:	QHS	CKD BY:	JBM
DES BY:	DM	SHT NO:	X
SCALE:	AS SHOWN		
CLIENT JOB NO:	-	EASTPOINT JOB NO:	600011
DRAWING NO:	E-003	REV:	0



PLAN (PARTIAL) - LEVEL "C" - SECOND FLOOR, C140

SCALE: 1:50

1:50 500 0 500 1000 1500 2000 2500 3000 3500 mm



PLAN (NEW CONSTRUCTION) - LEVEL "C" - SECOND FLOOR, C140

SCALE: 1:50

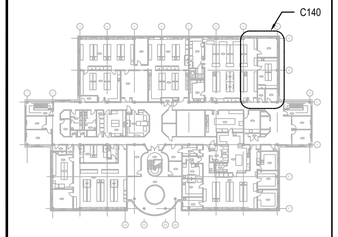
1:50 500 0 500 1000 1500 2000 2500 3000 3500 mm

EASTPOINT

CLIENT NAME / LOGO:

CFIA·ACIA

KEY PLAN:



LEGEND

- TO BE DEMOLISHED
- 15A DUPLEX RECEPTACLE
- D/20A 20A DEDICATED RECEPTACLE
- DIRECT CONNECTION
- $ GARBURATOR SWITCH

REV	DESCRIPTION	APP	DATE
0	ISSUED FOR TENDER	HR	07DEC2018

PROJECT NAME:
DARTMOUTH LABORATORY FIT-UP PHASE I

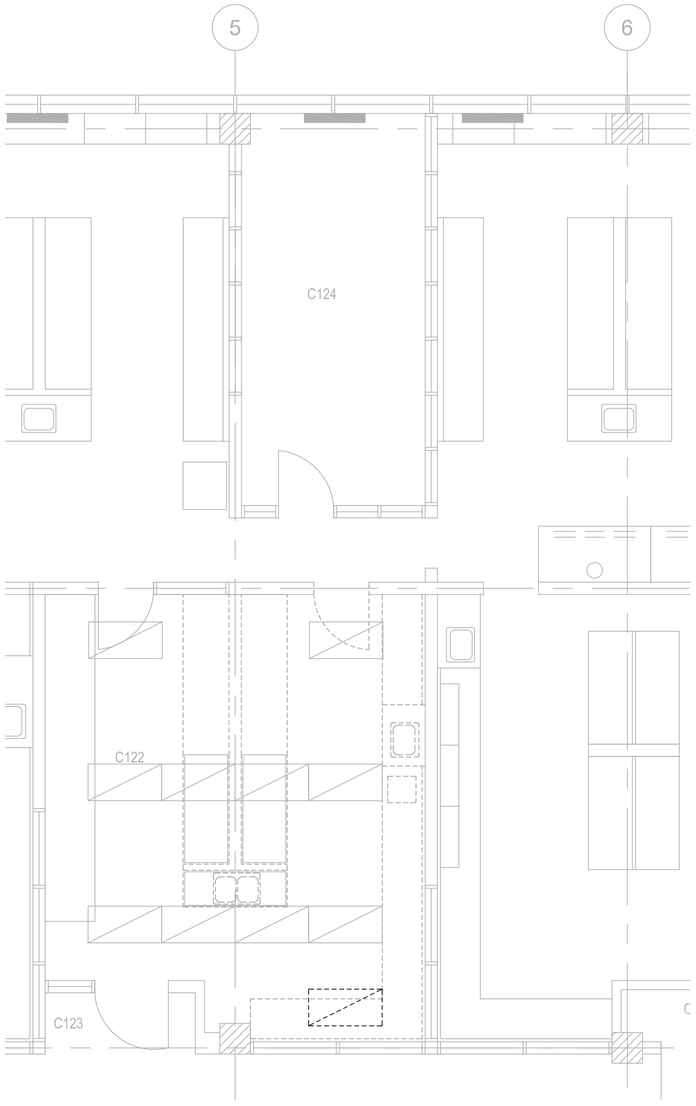
JOB LOCATION:
DARTMOUTH, N.S.

DRAWING TITLE:
POWER
SECOND FLOOR LAYOUT PLANS
ROOM C140
(DEMOLITION AND NEW)

DWN BY:	QHS	CKD BY:	JBM
DES BY:	DM	SHT NO:	X
SCALE:	AS SHOWN		
CLIENT JOB NO:	-	EASTPOINT JOB NO:	600011
DRAWING NO:	E-004	REV:	0

REGISTERED PROFESSIONAL ENGINEER
07/12/2018
DATE
J.B. MacDONALD
6720
PROVINCE OF NOVA SCOTIA

TITLE BLOCK @ 1:1 FULL SIZE = A1 (841mm x 594mm)



PLAN (DEMOLITION) - LEVEL "C" - SECOND FLOOR, C122

SCALE: 1:50

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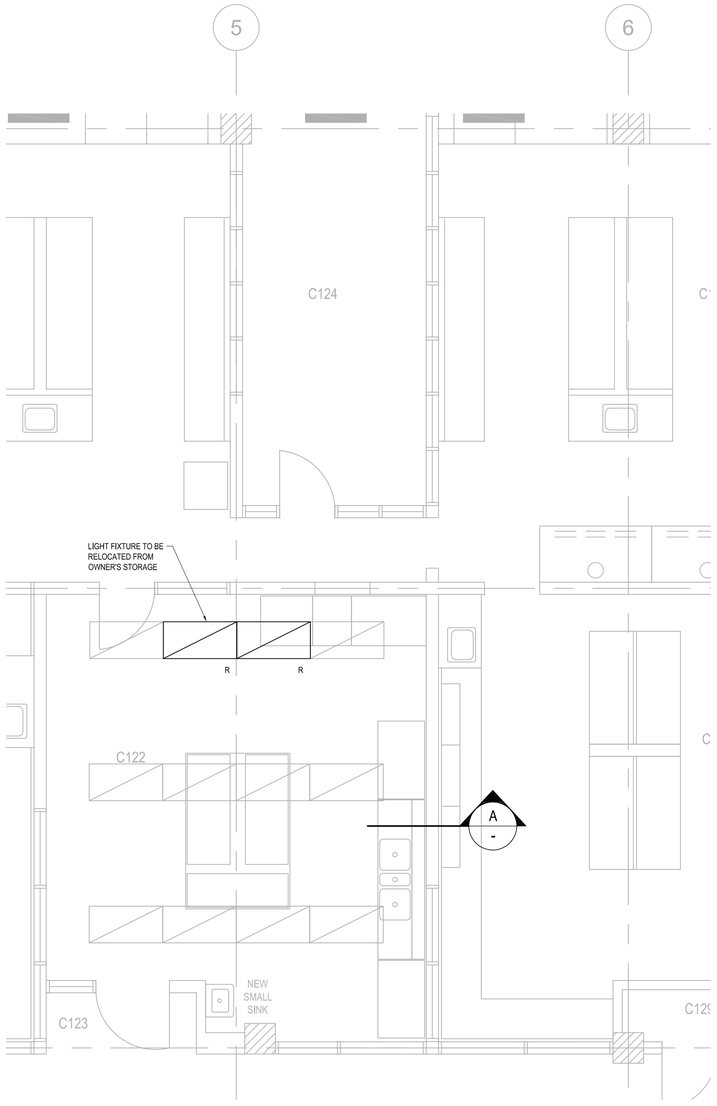


PLAN (NEW CONSTRUCTION) - LEVEL "C" - SECOND FLOOR, C122

SCALE: 1:50

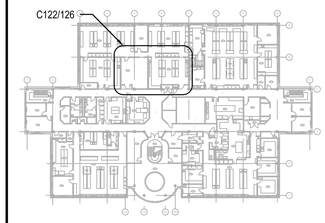
1:50 500 0 500 1000 1500 2000 2500 3000 3500 mm

EASTPOINT

CLIENT NAME / LOGO:

CFIA·ACIA

KEY PLAN:



LEGEND

- EXISTING TO BE RELOCATED
- EXISTING 1200mm X 600mm FLUORESCENT LIGHT FIXTURE
- R — RELOCATED EXISTING

REV	DESCRIPTION	APP	DATE
0	ISSUED FOR TENDER	HR	07DEC2018

PROJECT NAME:
DARTMOUTH LABORATORY
FIT-UP PHASE I

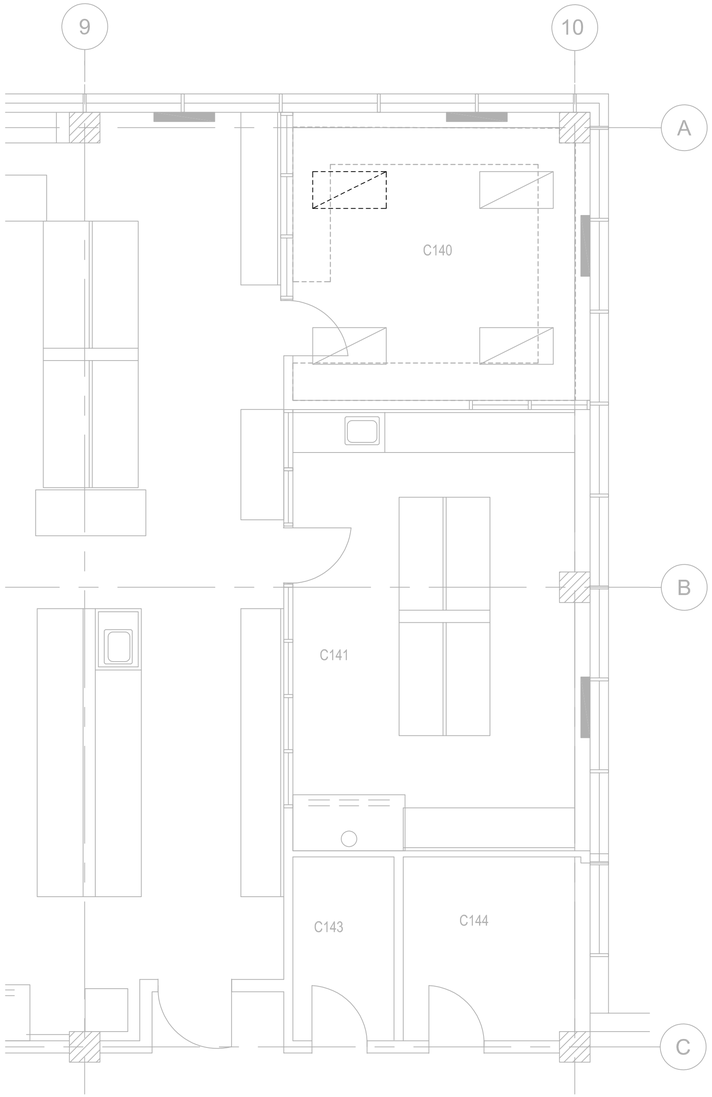
JOB LOCATION:
DARTMOUTH, N.S.

DRAWING TITLE:
LIGHTING
SECOND FLOOR LAYOUT PLANS
ROOM C122
(DEMOLITION AND NEW)

DWN BY:	QHS	CKD BY:	JBM
DES BY:	DM	SHT NO:	X
SCALE:	AS SHOWN		
CLIENT JOB NO:	-	EASTPOINT JOB NO:	600011
DRAWING NO:	L-002	REV:	0

REGISTERED PROFESSIONAL ENGINEER
PROVINCE OF NOVA SCOTIA
10/12/2018
DATE
J.B. MacDONALD
6720

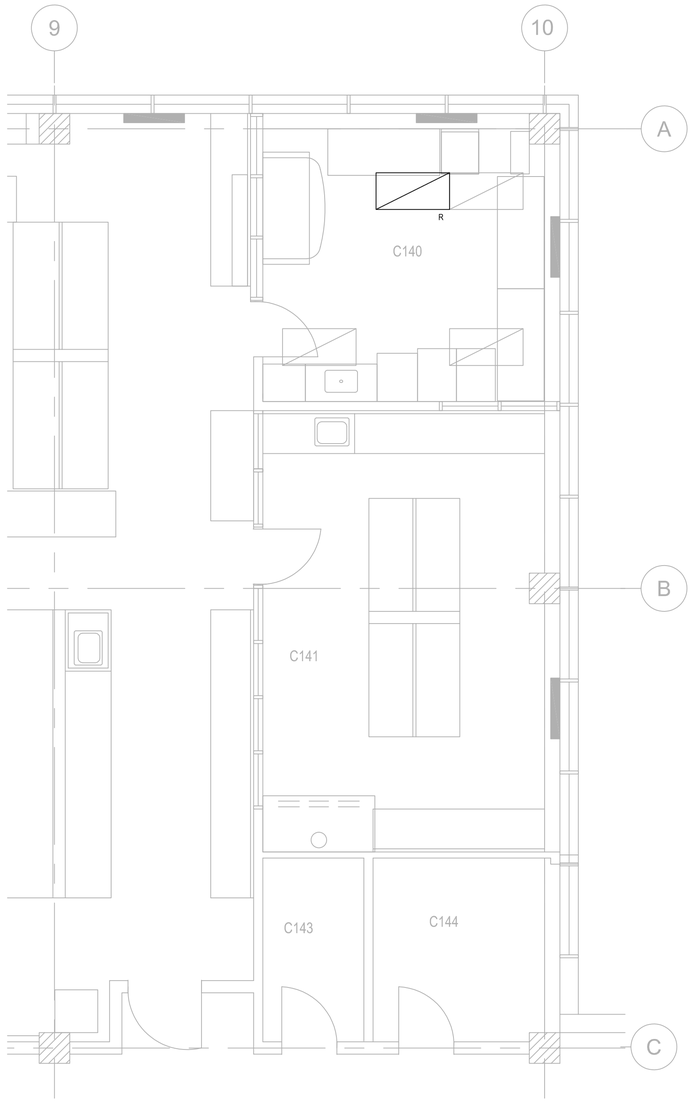
07 Dec 2018 - 1:59:39 PM - Quinn Hollington/Sawyer - 416/00 CFIA\600011 Dartmouth Lab Fit Up Phase 1\Drawings\L-002.dwg



PLAN (PARTIAL) - LEVEL "C" - SECOND FLOOR, C140

SCALE: 1:50

1:50 500 0 500 1000 1500 2000 2500 3000 3500 mm



PLAN (NEW CONSTRUCTION) - LEVEL "C" - SECOND FLOOR, C140

SCALE: 1:50

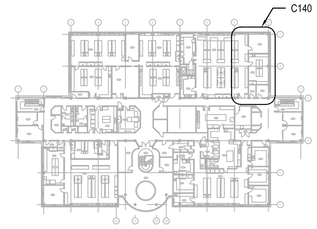
1:50 500 0 500 1000 1500 2000 2500 3000 3500 mm

EASTPOINT

CLIENT NAME / LOGO:

CFIA·ACIA

KEY PLAN:



LEGEND

EXISTING TO BE RELOCATED

EXISTING 1200mm X 600mm FLUORESCENT LIGHT FIXTURE

RELOCATED EXISTING

REV	DESCRIPTION	APP	DATE
0	ISSUED FOR TENDER	HR	07DEC2018

PROJECT NAME:
DARTMOUTH LABORATORY FIT-UP PHASE I

JOB LOCATION:
DARTMOUTH, N.S.

DRAWING TITLE:
LIGHTING
SECOND FLOOR LAYOUT PLANS
ROOM C140
(DEMOLITION AND NEW)

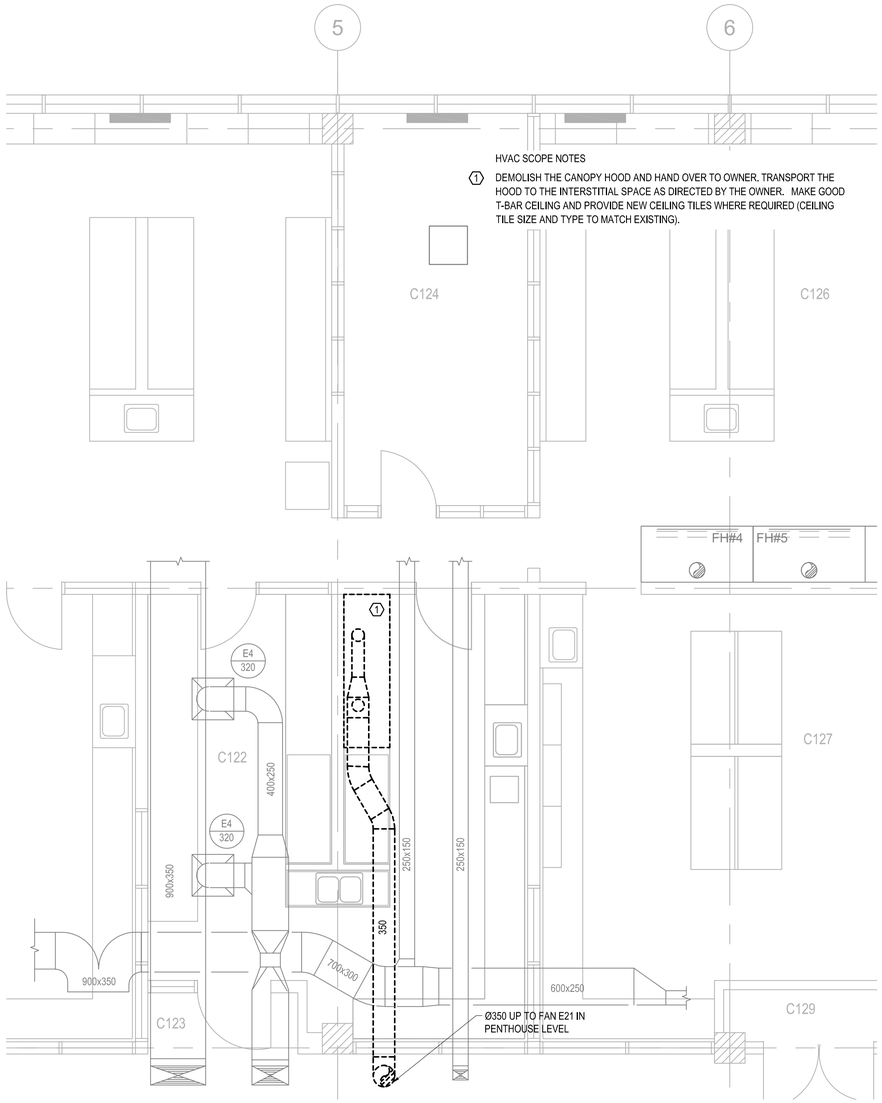
DWN BY:	QHS	CKD BY:	JBM
DES BY:	DM	SHT NO:	X

SCALE: AS SHOWN

CLIENT JOB NO:	EASTPOINT JOB NO:
-	600011

DRAWING NO:	REV:
L-003	0

REGISTERED PROFESSIONAL ENGINEER
DATE 10/12/2018
J.B. MacDONALD
6720
PROVINCE OF NOVA SCOTIA



PLAN (DEMOLITION) - LEVEL "C" - SECOND FLOOR, C122

SCALE: 1:50

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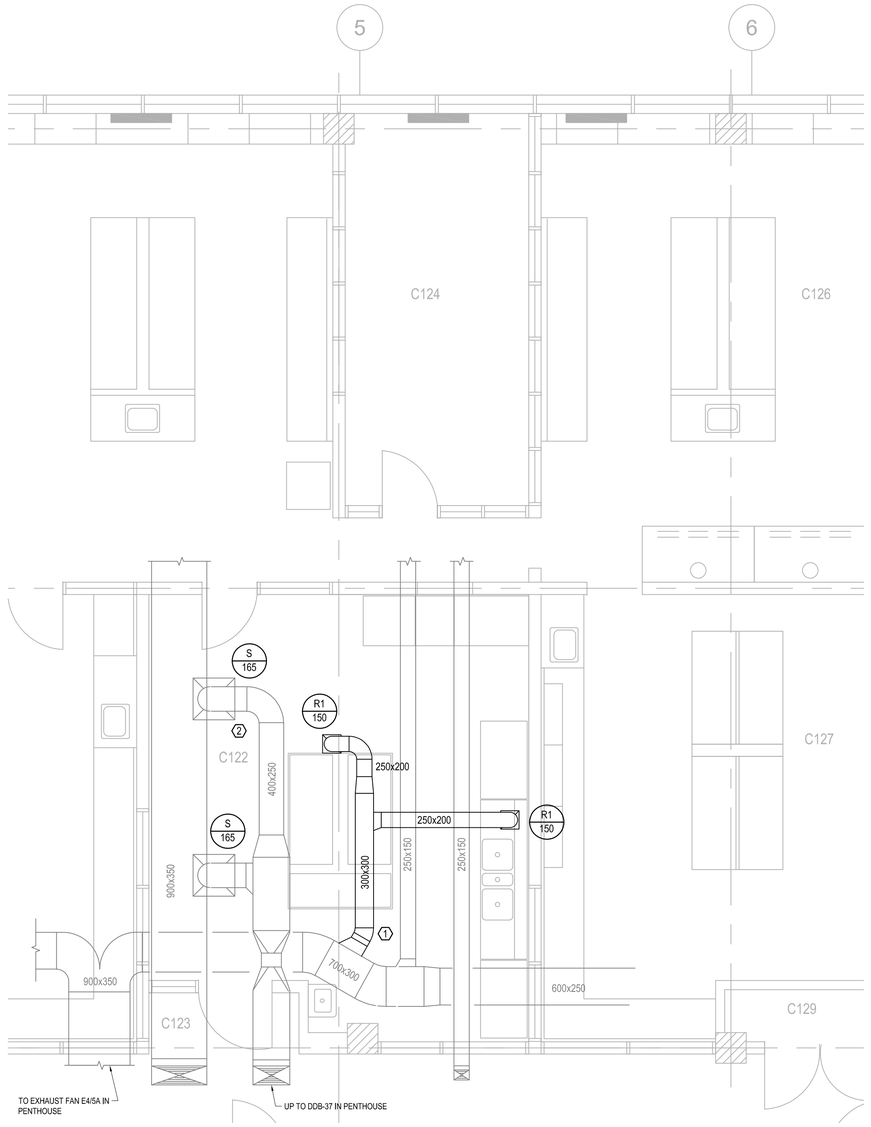


PLAN (NEW CONSTRUCTION) - LEVEL "C" - SECOND FLOOR, C122

SCALE: 1:50

1:50 500 0 500 1000 1500 2000 2500 3000 3500 mm

GENERAL HVAC NOTES

1. THE LOCATION OF THE EXISTING SYSTEMS AND SERVICES AS SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY. ASCERTAIN THE EXACT LOCATIONS OF THESE SERVICES BEFORE COMMENCING WITH THE INSTALLATION. THE DRAWINGS INDICATE GENERAL MECHANICAL LAYOUTS ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY OFFSETS AND ACCESSORIES WHICH MAY BE REQUIRED IN ROUTING THE PIPING.
2. PROVIDE ALL MOUNTING BRACKETS, FRAME SUPPORT MEMBERS AND OTHER MISC. METAL COMPONENTS, WHICH SHALL BE GALVANIZED STEEL.
3. NEW GALVANIZED STEEL DUCTING SHALL BE MANUFACTURED AND INSTALLED PER THE LATEST ASHRAE AND SMACNA STANDARDS.
4. ALL DUCTWORK SHALL BE SEALED AND MADE AIR TIGHT.
5. DUCTWORK: SMACNA CLASS C, WATER BORNE SEALANT, LOCK FORMING SHEET METAL, GALVANIZED STEEL TO ASTM A653/A 653M Z90.
6. ALL DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS.
7. ALL DUCTWORK AND WALL PENETRATIONS TO BE COORDINATED WITH EXISTING EQUIPMENT, CABLE TRAYS, CONDUITS AND SPRINKLER. RELOCATE AS REQUIRED.
8. BALANCE AIR FLOWS TO SPECIFIED VALUES USING CAABC PROCEDURES. SUBMIT AN AIR BALANCE REPORT TO ENGINEER FOR APPROVAL.
9. REFRIGERANT PIPING SHALL BE TYPE ACR "L" HARD COPPER TO ASTM B 280. FITTINGS SHALL BE WROUGHT COPPER. PIPE AND FITTING JOINTS SHOULD BE SILVER SOLDER, BRAZED. INSTALLED BY A QUALIFIED REFRIGERATION MECHANIC IN ACCORDANCE WITH CSA B52 AND THE A/C SYSTEM MANUFACTURERS INSTRUCTIONS. REFRIGERANT PIPING SYSTEM SHALL BE LEAK TESTED TO REQUIRMENTS OF CSA B52. ALL REFRIGERANT PIPING SHALL BE INSULATED WITH 19MM ARMAFLEX OR EQUIVALENT.
10. EXISTING BMCS IS A SIEMENS BACNET BASED SYSTEM. ALL TIE IN TO, OR MODIFICATION OF EXISTING SYSTEM TO BE PERFORMED BY CURRENT CONTROLS PROVIDER.
11. ALL CONTROL WIRE, LOW VOLTAGE WIRE AND CONDUIT SHALL COMPLY WITH LATEST VERSION OF CANADIAN ELECTRICAL CODE AND ELECTRICAL DRAWINGS. ALL WIRING SHALL BE CONTAINED IN METAL CONDUIT.
12. ANY WIRING ASSOCIATED WITH THE CONTROL OF MECHANICAL SYSTEMS SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.

HVAC EQUIPMENT SPECIFICATIONS

1. DUCTLESS MINI SPLIT AIR CONDITIONER **EVAP-1** AND **COND-1**: 3520 W (12,000 BTU/H) MAXIMUM COOLING CAPACITY WITH 50% TURN DOWN. WALL MOUNTED INDOOR UNIT WITH MULTI STAGE FAN, 208/230V / 1PH / 60 HZ, MCA 1 AMP. CONDENSER UNIT INCLUDES DC INVERTER DRIVEN COMPRESSOR AND ECM FAN, 208/230V / 1PH / 60 HZ, MCA 11 AMP. 410A REFRIGERANT. AHRI EFFICIENCY RATING: 12.0 EER. DIMENSIONS INDOOR UNIT (H X W X D): 295 X 898 X 249 MM. DIMENSIONS COMPRESSOR UNIT (H X W X D): 630 X 809 X 300 MM. PROVIDE BASIC WALL MOUNTED WIRED CONTROLLER. PROVIDE BACNET OVER IP INTERFACE FOR TIE INTO EXISTING BUILDING AUTOMATION SYSTEM (COORDINATE EXACT REQUIRED EQUIPMENT WITH CURRENT BAS PROVIDER). ACCEPTABLE MATERIAL: MITSUBISHI P-SERIES PKA-A12HA7 AND PUY-A12NKA7 C/W WALL CONTROLLER AND BACNET INTERFACE.

HVAC SCOPE NOTES

1. TIE IN NEW SECTION OF EXHAUST DUCT TO THE EXISTING GENERAL EXHAUST E4/5A DUCT SYSTEM. REFERENCE THE DUCT WORK SCHEMATIC FOR DETAILS. PROVIDE BALANCING SURVEY PRIOR TO NEW DUCTWORK INSTALLATION TO CONFIRM ALL AIRFLOWS SHOWN ON SCHEMATIC AND MEASURE OPERATING PARAMETERS (STATIC, AMP DRAW ETC.) OF THE EXHAUST FAN. PROVIDE PRE-CONSTRUCTION BALANCING REPORT TO ENGINEER. PROVIDE PULLEY AND BELT REPLACEMENT ON EXHAUST FAN TO ACCOMMODATE NEW AIRFLOW AND STATIC. REBALANCE THE ENTIRE EXHAUST FAN SYSTEMS TO ORIGINALLY MEASURED AIRFLOWS. PROVIDE FINAL BALANCING REPORT TO ENGINEER.
2. ADJUST CONSTANT FLOW SETPOINT OF EXISTING DUAL DUCT BOX DDB-37 TO PROVIDE NEW AIRFLOW AS INDICATED. OBTAIN SERVICES OF BALANCER AND CURRENT BAS CONTRACTOR (SIEMENS) TO PERFORM ADJUSTMENTS. CONFIRM THAT LAB IS UNDER POSITIVE PRESSURIZATION WITH RESPECT TO CORRIDOR AND MAKE AIRFLOW ADJUSTMENTS TO SUPPLY AIRFLOW SETPOINT AS REQUIRED. SIEMENS TO MAKE UPDATES TO HMI FOR NEW ROOM PRESSURE ALARM SETPOINT.

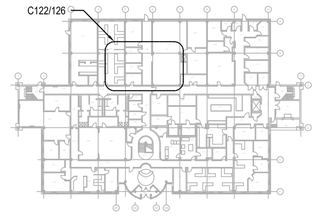
	AIR FLOW	STATIC PRESSURE
EXISTING FAN OPERATING CONDITIONS (FROM ORIGINAL TAB REPORT)	3293 LPS	510 PA
PROPOSED OPERATING CONDITIONS	3593 LPS	607 PA

EASTPOINT

CLIENT NAME / LOGO:

CFIA·ACIA

KEY PLAN:



LEGEND

- TO BE DEMOLISHED
- SUPPLY DIFFUSER
- RETURN GIRLLE
- DB — BALANCING DAMPER
- R1 / xxx — GRILLE DESIGNATION / FLOW (LPS)
- CONTROL WIRING
- T — THERMOSTAT

REV	DESCRIPTION	APP	DATE
0	ISSUED FOR TENDER	HR	07DEC2018

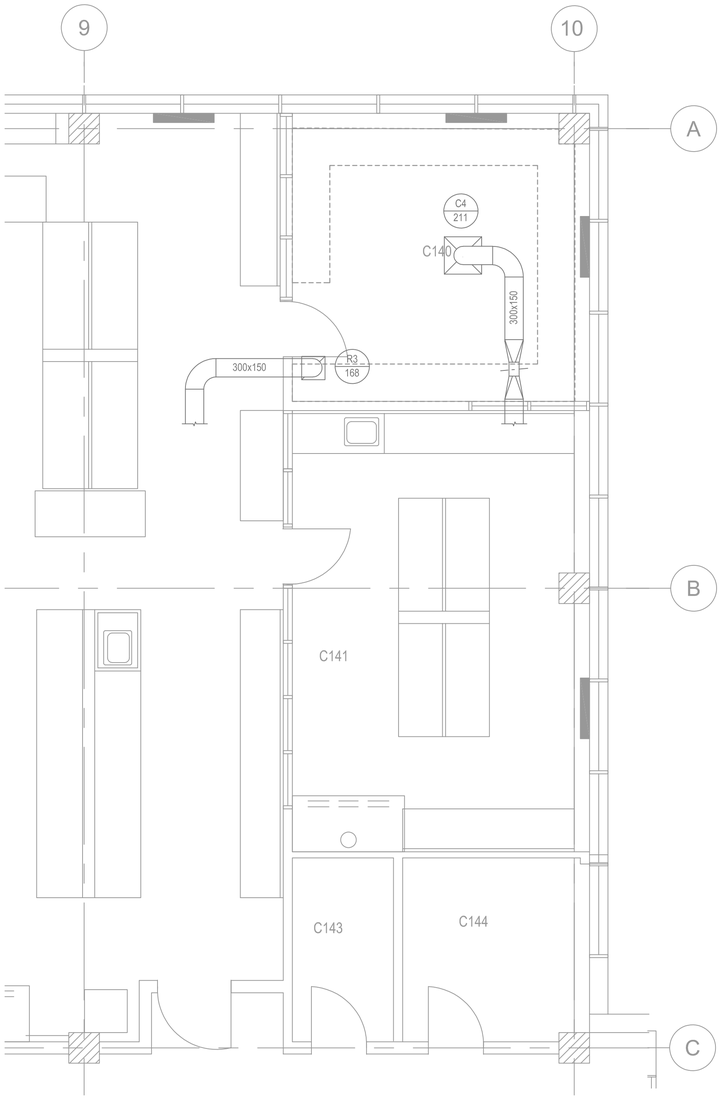
PROJECT NAME:
DARTMOUTH LABORATORY FIT-UP PHASE I

JOB LOCATION:
DARTMOUTH, N.S.

DRAWING TITLE:
HVAC
SECOND FLOOR LAYOUT PLANS
ROOM C122
(DEMOLITION AND NEW)

DWN BY:	QHS	CKD BY:	PM
DES BY:	PM	SHT NO:	X
SCALE:	AS SHOWN		
CLIENT JOB NO:	-	EASTPOINT JOB NO:	600011
DRAWING NO:	M-003	REV:	0

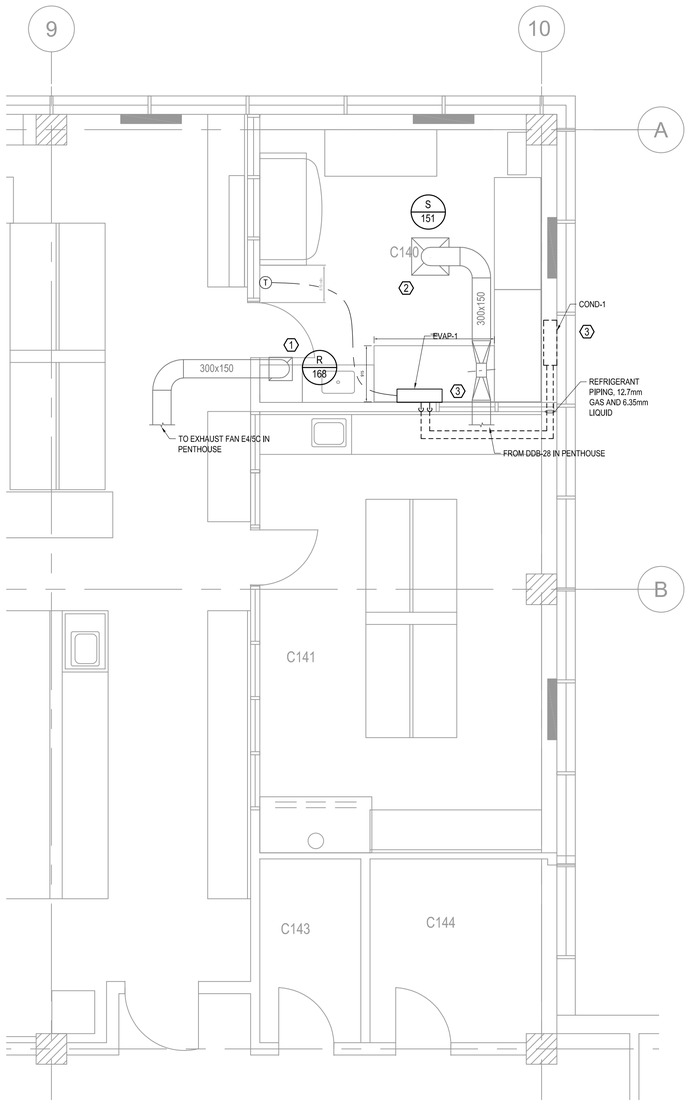
REGISTERED PROFESSIONAL ENGINEER — PROVINCE OF NOVA SCOTIA — DATE Dec 07 2018 — P. T. Mentink — 9090



PLAN (PARTIAL) - LEVEL "C" - SECOND FLOOR, C140

SCALE: 1:50

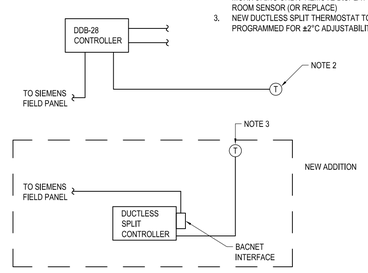
1:50 500 0 500 1000 1500 2000 2500 3000 3500 mm



PLAN (NEW CONSTRUCTION) - LEVEL "C" - SECOND FLOOR, C140

SCALE: 1:50

1:50 500 0 500 1000 1500 2000 2500 3000 3500 mm



DETAIL - DUCTLESS SPLIT CONTROLS

SCALE: N.T.S.

NOTES:

1. SEQUENCE OF OPERATION: UPON CALL FOR COOLING DUAL DUCT BOX SHALL PROVIDE FIRST STAGE COOLING AND DUCTLESS SPLIT SHALL PROVIDE SECOND STAGE COOLING
2. USE EXISTING SIEMENS ROOM SENSOR FOR MONITORING ONLY. REMOVE DISPLAY ON EXISTING ROOM SENSOR (OR REPLACE)
3. NEW DUCTLESS SPLIT THERMOSTAT TO BE PROGRAMMED FOR ±2°C ADJUSTABILITY RANGE.

HVAC SCOPE NOTES

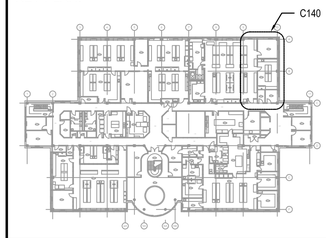
1. BALANCER TO CONFIRM EXISTING EXHAUST AIRFLOW FOR ROOM AS SHOWN ON DRAWING AND CONFIRM ANY DISCREPANCIES TO ENGINEER.
2. ADJUST CONSTANT FLOW SETPOINT OF EXISTING DUAL DUCT BOX DDB-28 TO PROVIDE NEW AIRFLOW AS INDICATED. OBTAIN SERVICES OF BALANCER AND CURRENT BAS CONTRACTOR (SIEMENS) TO PERFORM ADJUSTMENTS. CONFIRM THAT LAB IS UNDER NEGATIVE PRESSURIZATION WITH RESPECT TO LAB C136 AND MAKE AIRFLOW ADJUSTMENTS TO SUPPLY AIRFLOW SETPOINT AS REQUIRED. SIEMENS TO MAKE UPDATES TO HMI FOR NEW ROOM PRESSURE ALARM SETPOINT.
3. INSTALL DUCTLESS MINISPLIT TO SERVE C140. INSTALL EVAPORATOR UNIT EVAP-1 AT HIGH LEVEL ON WALL AND REFRIGERANT TUBING DOWN TO CONDENSER UNIT COND-1 LOCATED IN THE INTERSTITIAL LEVEL BELOW. SUSPEND COND-1 FROM CEILING OF INTERSTITIAL SPACE. PROVIDE COPPER TUBE FROM CONDENSATE CONNECTION ON EVAP-1 AND ROUTE UNDER RELOCATED SINK AND TIE INTO SINK DRAIN LINE.

EASTPOINT

CLIENT NAME / LOGO:

CFIA·ACIA

KEY PLAN:



LEGEND

- TO BE DEMOLISHED
- SUPPLY DIFFUSER
- RETURN GRILLE
- DB — BALANCING DAMPER
- R1 / XXX — GRILLE DESIGNATION / FLOW (LPS)
- CONTROL WIRING
- T — THERMOSTAT

REV	DESCRIPTION	APP	DATE
0	ISSUED FOR TENDER	HR	07DEC2018

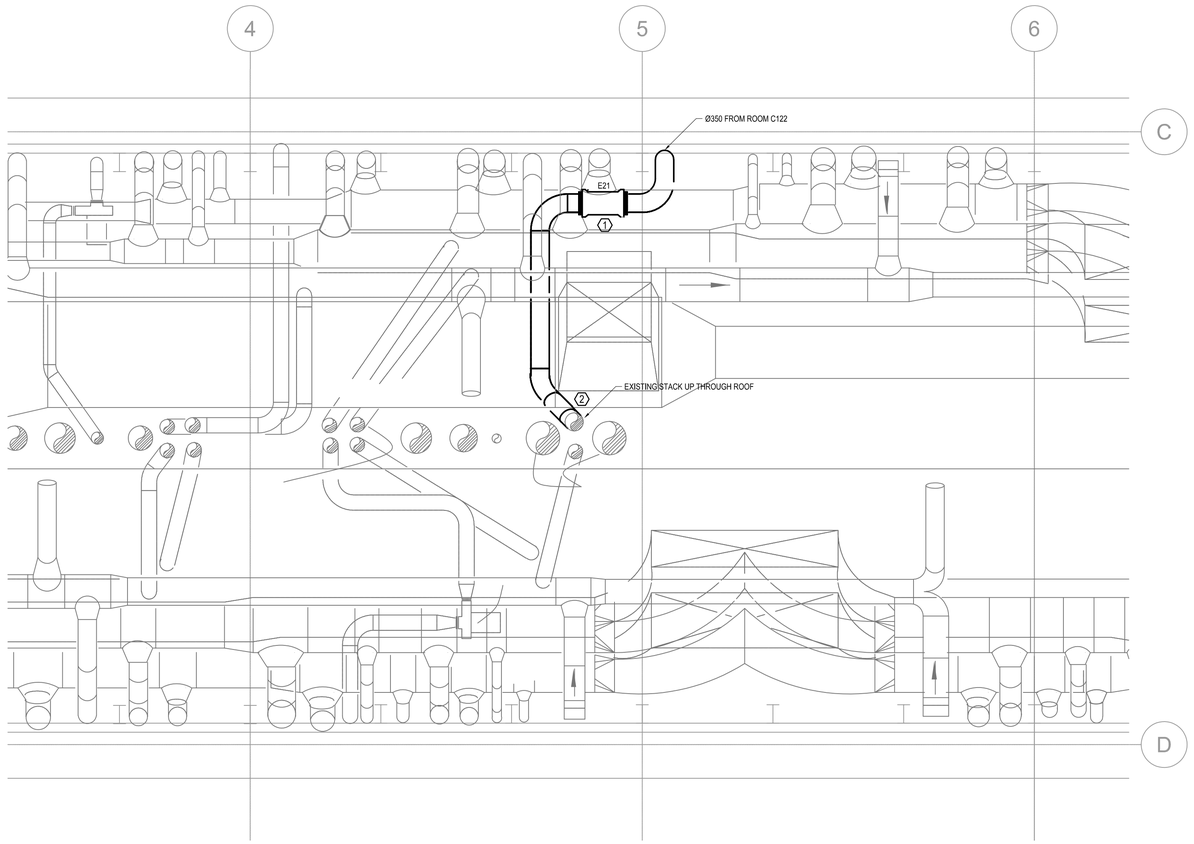
PROJECT NAME:
DARTMOUTH LABORATORY
FIT-UP PHASE I

JOB LOCATION:
DARTMOUTH, N.S.

DRAWING TITLE:
HVAC
SECOND FLOOR LAYOUT PLANS
ROOM C140
(DEMOLITION AND NEW)

DWN BY:	QHS	CKD BY:	PM
DES BY:	PM	SHT NO:	X
SCALE:	AS SHOWN		
CLIENT JOB NO:	-	EASTPOINT JOB NO:	600011
DRAWING NO:	M-004	REV:	0

REGISTERED PROFESSIONAL ENGINEER
DATE Dec 07 2018
P. T. Murdock
9090
PROVINCE OF NOVA SCOTIA



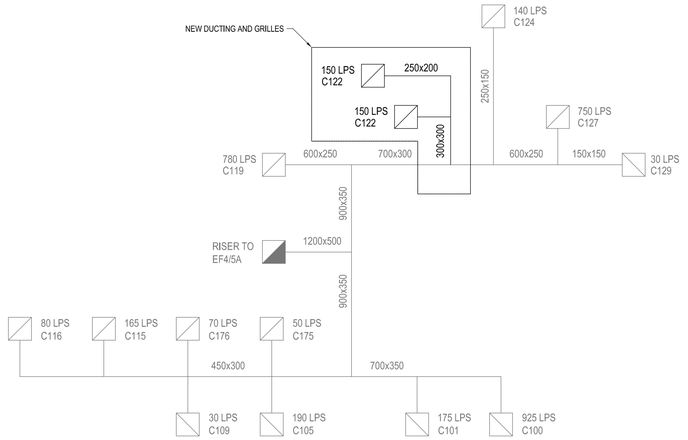
PLAN (PARTIAL) - LEVEL "D" - PENTHOUSE

SCALE: 1:50

1:50 500 0 500 1000 1500 2000 2500 3000 3500 mm

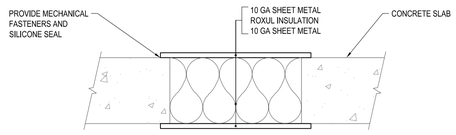
HVAC SCOPE NOTES

1. REMOVE EXHAUST FAN E21 AND HAND OVER TO OWNER. INSTALL SHEET METAL PATCH OVER DUCT PENETRATION THROUGH CONCRETE SLAB, SEE DETAIL 1.
2. CAP HORIZONTAL PORTION OF EXHAUST DUCT NEAR THE VERTICAL RISER AS SHOWN. EXISTING RISER DRAIN PIPING TO REMAIN IN SERVICE.



SCHEMATIC - EXHAST FAN E4/5A SYSTEM

SCALE: N.T.S



1/- DETAIL - INFILL HOLE

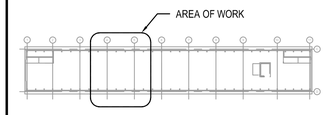
SCALE: N.T.S.

EASTPOINT

CLIENT NAME / LOGO:

CFIA·ACIA

KEY PLAN:



LEGEND

TO BE DEMOLISHED

REV	DESCRIPTION	APP	DATE
0	ISSUED FOR TENDER	HR	07DEC2018

PROJECT NAME:
DARTMOUTH LABORATORY
FIT-UP PHASE I

JOB LOCATION:
DARTMOUTH, N.S.

DRAWING TITLE:
HVAC
PENTHOUSE LAYOUT
PARTIAL PLANS
(EXISTING & DEMOLITION)

DWN BY:	SS	CKD BY:	PM
DES BY:	DM	SHT NO:	X

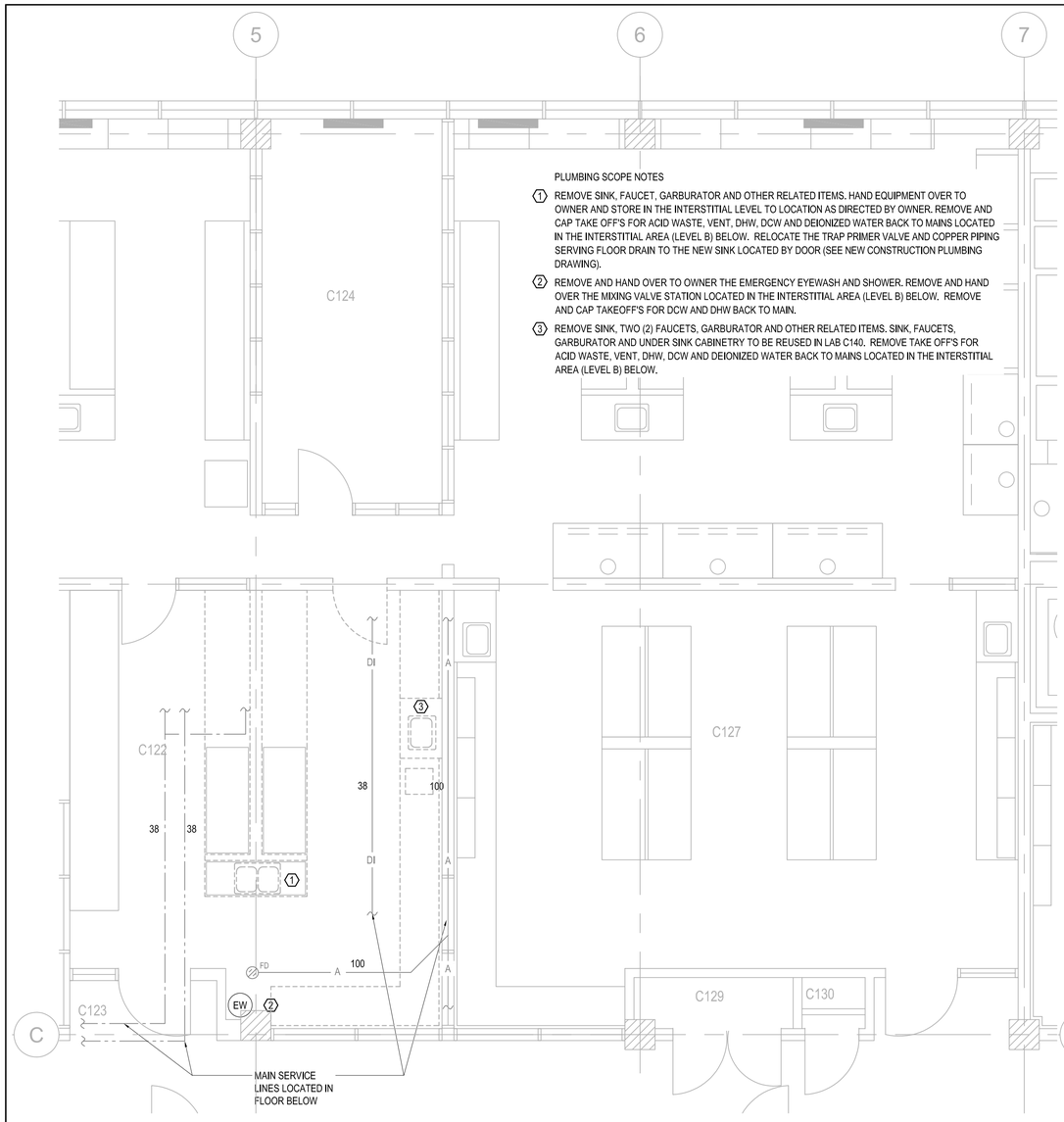
SCALE: AS SHOWN

CLIENT JOB NO:	EASTPOINT JOB NO:
-	600011

DRAWING NO:	REV:
M-005	0

REGISTERED PROFESSIONAL ENGINEER
DATE Dec 07 2018
P. T. Mentink
9090
PROVINCE OF NOVA SCOTIA

TITLE BLOCK @ 1:1 FULL SIZE = A1 (841mm x 594mm)



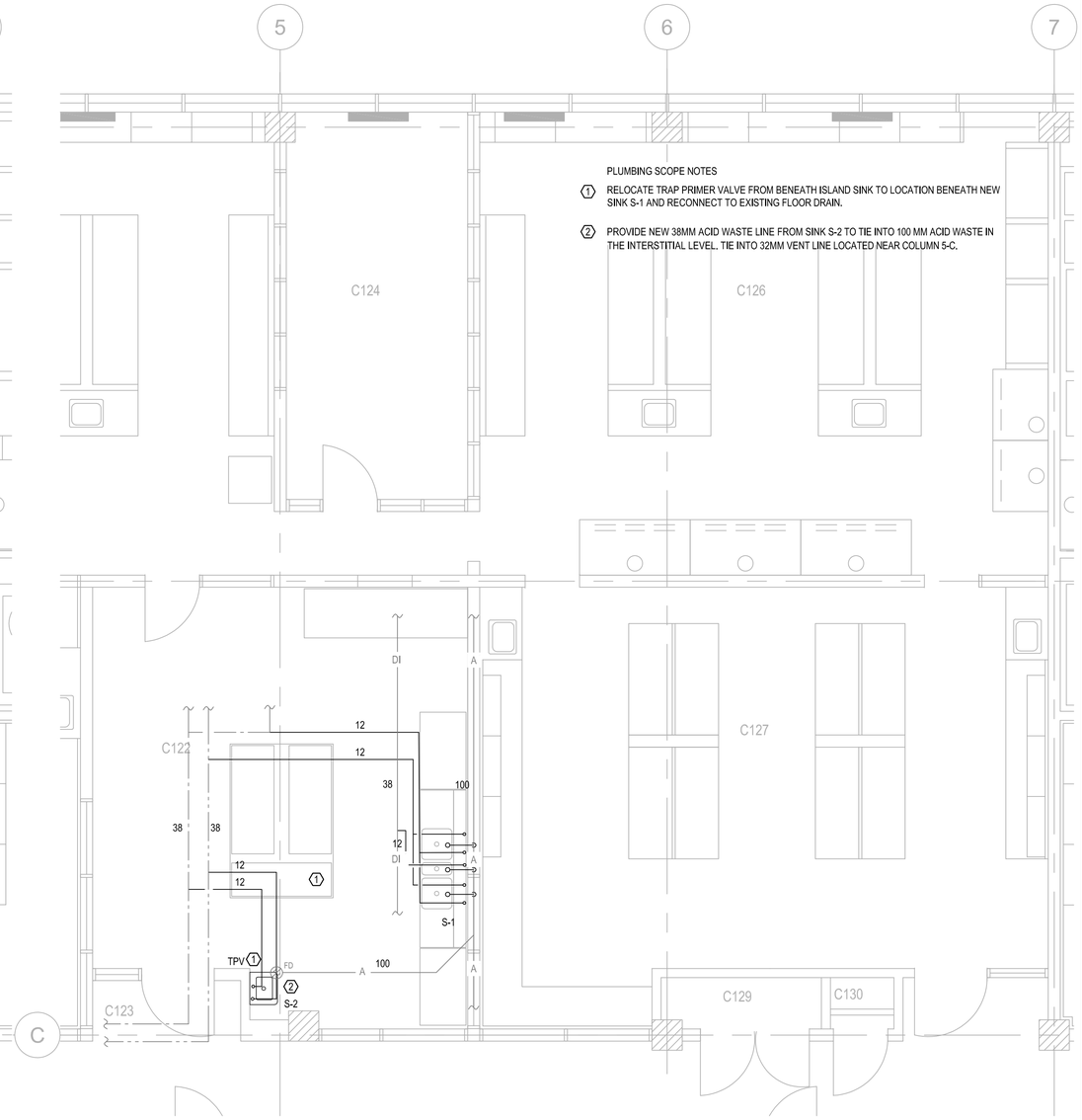
PLUMBING SCOPE NOTES

1. REMOVE SINK, FAUCET, GARBURATOR AND OTHER RELATED ITEMS. HAND EQUIPMENT OVER TO OWNER AND STORE IN THE INTERSTITIAL LEVEL TO LOCATION AS DIRECTED BY OWNER. REMOVE AND CAP TAKE OFF'S FOR ACID WASTE, VENT, DHW, DCW AND DEIONIZED WATER BACK TO MAINS LOCATED IN THE INTERSTITIAL AREA (LEVEL B) BELOW. RELOCATE THE TRAP PRIMER VALVE AND COPPER PIPING SERVING FLOOR DRAIN TO THE NEW SINK LOCATED BY DOOR (SEE NEW CONSTRUCTION PLUMBING DRAWING).
2. REMOVE AND HAND OVER TO OWNER THE EMERGENCY EYEWASH AND SHOWER. REMOVE AND HAND OVER THE MIXING VALVE STATION LOCATED IN THE INTERSTITIAL AREA (LEVEL B) BELOW. REMOVE AND CAP TAKEOFF'S FOR DCW AND DHW BACK TO MAIN.
3. REMOVE SINK, TWO (2) FAUCETS, GARBURATOR AND OTHER RELATED ITEMS. SINK, FAUCETS, GARBURATOR AND UNDER SINK CABINETRY TO BE REUSED IN LAB C140. REMOVE TAKE OFF'S FOR ACID WASTE, VENT, DHW, DCW AND DEIONIZED WATER BACK TO MAINS LOCATED IN THE INTERSTITIAL AREA (LEVEL B) BELOW.

PLAN (DEMOLITION) - LEVEL "C" - SECOND FLOOR, C122

SCALE: 1:50

1:50 500 0 500 1000 1500 2000 2500 3000 3500 mm



PLUMBING SCOPE NOTES

1. RELOCATE TRAP PRIMER VALVE FROM BENEATH ISLAND SINK TO LOCATION BENEATH NEW SINK S-1 AND RECONNECT TO EXISTING FLOOR DRAIN.
2. PROVIDE NEW 38MM ACID WASTE LINE FROM SINK S-2 TO TIE INTO 100 MM ACID WASTE IN THE INTERSTITIAL LEVEL. TIE INTO 32MM VENT LINE LOCATED NEAR COLUMN 5-C.

PLAN (NEW CONSTRUCTION) - LEVEL "C" - SECOND FLOOR, C122

SCALE: 1:50

1:50 500 0 500 1000 1500 2000 2500 3000 3500 mm

GENERAL PLUMBING NOTES

1. PLUMBING DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL OTHER TENDER DRAWINGS AND SPECIFICATIONS INCLUDING SHOP DRAWINGS.
2. PLUMBING CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES AND CARRY OUT HIS WORK IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS. CONTRACT CONDITIONS SHALL GOVERN OVER THE REQUIREMENTS OF REFERENCE STANDARDS. WHERE THERE IS A CONFLICT BETWEEN STANDARDS AND OTHER CITED REFERENCES AND SPECIFICATIONS, THE MORE STRINGENT REQUIREMENTS SHALL TAKE PRECEDENCE.
3. MAKE GOOD ALL PENETRATIONS IN UNDER COUNTER CABINETS FROM REMOVED PIPEWORK AND REINSTATE HOLES IN CONCRETE FLOOR DECK WHERE PIPING WAS REMOVED.
4. TIE ALL NEW PLUMBING ACID WASTE TRAPS INTO EXISTING ACID WASTE VENT PIPING.
5. CORE DRILL AS REQUIRED FOR ALL NEW PLUMBING SERVICES PASSING THROUGH CONCRETE DECK.
6. ALL PLUMBING WASTE, VENT, DOMESTIC PIPING AND PLUMBING FIXTURES, SHOWN ON THE PLUMBING DRAWINGS IS GENERALLY SCHEMATIC IN NATURE AND SHALL NOT BE USED FOR EXACT LOCATIONS OF EQUIPMENT. VERIFY ALL MEASUREMENTS ON SITE.
7. ALL ACCESSORIES INCLUDING FAUCETS, WASTE FITTINGS AND VALVES, SHALL BE CONNECTED TO PLUMBING SYSTEM BY PLUMBING CONTRACTOR.
8. PROVIDE ISOLATION VALVES ON ALL WATER CONNECTIONS TO UNDER COUNTER PLUMBING FIXTURES AND EQUIPMENT.
9. PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL VALVES, TRAPS, TRAP SEAL PRIMING DEVICES AND REQUIRED FITTINGS TO MAKE EQUIPMENT FULLY OPERATIONAL.
10. INSTALL UNDER SINK GARBURATORS AS PER MANUFACTURER'S INSTRUCTIONS AND INCLUDE AUTOMATIC WATER SUPPLY TO GARBURATOR COMPLETE WITH SOLENOID AND SIPHON BREAKER, INSTALL MANUAL SWITCH ON WALL NEAR SINK.
11. SHOP DRAWINGS SHALL BE SUBMITTED FOR PLUMBING, FIXTURES AND TRIM, ACCESSORIES, SINKS, VALVES IN ACCORDANCE WITH GENERAL CONDITIONS. ACCEPTABLE PRODUCTS NAMED SHALL MEET ALL REQUIREMENTS OF SPECIFIED PRODUCTS.
12. ALL SLEEVES SHALL BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR WITH MINIMUM ¼" CLEARANCE BETWEEN SLEEVE AND PIPE OR SLEEVE AND INSULATION. WHERE INSTALLED IN FLOOR SLABS SLEEVES SHALL EXTEND 1" ABOVE FINISHED FLOOR. SLEEVE MATERIAL SHALL BE 22 GAUGE GALVANIZED SHEET METAL WITH LOCK SEAM JOINTS. SLEEVES SHALL BE REQUIRED AT ALL POINTS WHERE PIPES PASS THROUGH MASONRY OR CONCRETE. SPACE BETWEEN SLEEVE AND PIPE OR INSULATION SHALL BE CAULKED WITH APPROVED FIRE STOP MATERIAL AND SEALED AT BOTH ENDS WITH WATERPROOF, FIRE RETARDANT, NON-HARDENING MASTIC. PLUMBING CONTRACTOR SHALL COORDINATE LOCATIONS WITH GENERAL CONTRACTOR.
13. HANGERS FOR PIPING SHALL BE STEEL, EPOXY COATED, 3 PIECE CLEVIS HANGERS TO MSS SP 69, PROVIDE GALVANIZED STEEL THREADED ROD AND CONCRETE INSERTS TO MSS SP 58, PROVIDE WITH PREFABRICATED INSULATION SHIELDS ON INSULATED PIPE. HANGER SPACING: SIZE ½" TO ¾" - 1200 MM, UP TO 1 ¼" - 1800 MM, UP TO 2" - 2400MM.
14. ALL DOMESTIC WATER PIPING SHALL BE INSULATED WITH 1" HIGH DENSITY FIBERGLASS INSULATION COMPLETE WITH ALL SERVICE JACKET.
15. CHROME OR NICKEL PLATED ESCUTCHEONS SHALL BE INSTALLED ON PIPING PASSING THROUGH FINISHED WALLS, FLOORS AND CEILINGS, COMPLETE WITH SET SCREWS FOR WALL OR CEILING MOUNTING. INSTALL PVC JACKET IN EXPOSED AREAS.
16. ALL CUTTING AND PATCHING RELATED TO PLUMBING INSTALLATION SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
17. LABEL ALL NEW PIPING AS PER EXISTING LABELING STYLE AND FORMAT CURRENTLY IN PLACE AT THIS FACILITY.
18. UNIONS SHALL BE INSTALLED AFTER EACH SCREW TYPE VALVE AND AT EQUIPMENT CONNECTIONS DIELECTRIC UNIONS SHALL BE PROVIDED WHERE PIPES OF DISSIMILAR METALS ARE JOINED.
19. DOMESTIC WATER PIPING SHALL BE TYPE L HARD DRAWN COPPER TO ASTM B42 AND ASTM B88. FITTINGS TO ANSI B16.18 OR ANSI/ASME B16.22 EXCEPT WHERE COMPRESSION FITTINGS ARE REQUIRED. JOINTS SHALL BE MADE WITH 95:5 ANTIMONIAL TIN SOLDER OR LEAD FREE SOLDER. THREADED UNIONS SHALL BE BRONZE 150 PSI RATED WITH GROUND SEATS. PIPE COUPLINGS SHALL BE OF SAME MATERIAL AND STRENGTH AS ADJOINED PIPE.
20. DEIONIZED WATER PIPING: POLYPROPYLENE, SCH 80 TO ATSM D4101, SOCKET FUSION FITTINGS AND BALL VALVES. FUSION HEAT METHOD TO ASTM D2657 AND AS PER MANUFACTURER'S RECOMMENDATIONS. MECHANICAL JOINTED VALVES ARE AN ACCEPTABLE ALTERNATIVE.
21. ACID WASTE AND VENT PIPING: POLYPROPYLENE CORROSION RESISTANT WASTE/VENT SYSTEM, SCH 40 NSF LISTED TYPE 1 TO CAN/CSA-B181.3, ALL CONNECTION TO BE MECHANICAL TYPE DESIGNED TO LOCK INTO A MACHINED GROOVE ON THE MATING PIPE. ALL FITTINGS SHALL HAVE INTEGRALLY MOLDED UNION CONNECTIONS. THIS SYSTEM SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED INSTALLATION AND TESTING INSTRUCTIONS. BAND CLAMP TYPE FITTING TO BE USED ONLY WHERE CONNECTING TO EXISTING PLAIN END PIPEWORK AND SHALL INCLUDE ACID AND CHEMICAL RESISTANT SLEEVE, OUTER SS SHEAR RING WITH SS BAND CLAMPS, PROVIDE BAND_SEAL OR EQUAL. FOR TIE INTO EXISTING GLASS PIPE WITH BEAD USE BEAD TO PLAIN COUPLING WITH CHEMICAL AND ACID RESISTANT COMPRESSION LINER, SS OUTER BAND, SS BOLT AND NUT, 6650 KIMAX OR EQUAL.
22. GAS TUBING: SEAMLESS INSTRUMENTATION GRADE, 304/304L STAINLESS STEEL TO ASTM A213/A269. TWO-FERRULE MECHANICAL FITTINGS WITH THREADED BODY AND NUT, 316 STAINLESS STEEL CONSTRUCTION. BOLTED PLASTIC CLAMP SUPPORTS. SS BALL VALVES WITH THREADED CONNECTIONS, ONE PIECE BODY, STRAIGHT THROUGH, 2-WAY, HANDLE, 3000 PSI PRESSURE RATING. SWAGELOK SYSTEM OR EQUAL.
23. GAS PIPE (USED FOR GAS TURRETS IN LAB): BRASS PIPE, FITTINGS, AND NIPPLES TO ASTM B16.5, ASTM B-687, ASTM/ANSI B1.20.1. BRONZE THREADED BALL VALVES, ONE PIECE BODY, CHROME BALL, LEVER HANDLE, 600 WOG RATING.
24. GAS REGULATOR: 3/8" NPT PNEUMATIC INDUSTRIAL REGULATOR, DIAPHRAGM OPERATED WITH POPPET, STEEL/ZINC BODY CONSTRUCTION, HEAVY DUTY TEE HANDLE, PRESSURE RANGE: 0.15 TO 8.5 BAR (2 TO 125 PSIG), COMPLETE WITH 125 PSIG GAUGE. PROVIDE PARKER R119 OR EQUAL.

PLUMBING FIXTURE SPECIFICATIONS:

S-1 STAINLESS STEEL SINK (FREE STANDING TRIPLE COMPARTMENT, SWIVEL ARM FAUCETS, R.O. LAB FAUCET)

1. FIXTURE: 304 STAINLESS STEEL FREESTANDING SINK ASSEMBLY WITH BACK SPLASH AND SUPPORT LEGS. OVERALL SINK LENGTH 2440MM (96") LONG. HEIGHT TO MATCH THE MATING COUNTER TOPS SURFACES. TAPERED DRAIN BOARDS INTO SINKS, 610 MM (24") WIDE, PROVIDE ONE ON EACH SIDE. LEFT COMPARTMENT: 508MM X 508MM X 254MM DEEP (20"X20"X10") WITH GARBURATOR. CENTER COMPARTMENT: 203MM X 508MM X 254MM DEEP (8"X20"X10"). RIGHT COMPARTMENT: 508MM X 508MM X 254MM DEEP (20"X20"X10") WITH GARBURATOR. LEFT AND RIGHT SINKS TO ACCOMMODATE PRE-RINSE FAUCET WITH 200MM (8") CENTERS MOUNTED ON BACKSPLASH. CENTRE SINK SINGLE HOLE ON BACKSPLASH FOR PURE WATER FAUCET. SINK ASSEMBLY DEPTH OF APPROXIMATELY 610 MM (24") WHICH WILL FIT FLUSH WITH 760MM (30") DEEP COUNTER PLUS FIELD INSTALLED KNEE WALL BUILT IN BEHIND SINK - SEE ARCHITECTURAL DRAWING A-003 FOR FURTHER DETAIL. PROVIDE DETAILED DRAWING FOR APPROVAL. ACCEPTABLE MATERIAL ELKAY MODEL EL-CISC-120518-LK-2284 OR EQUAL.
2. TRIM FOR LEFT AND RIGHT SINK COMPARTMENTS: CHICAGO 510-G613L12XKCAB PRE RINSE UNITS, WALL MOUNTED 200MM (8") CENTERS, POLISHED CHROME BODY, ADD ON FAUCET WITH LEVEL HANDLE, 300MM (12") SWING ARM WITH OUTLET, 584MM (23" RISER), OVERHEAD SWIVEL ARM, 508 MM (20") FLEXIBLE SS HOSE, 1.0 GPM SPRAY VALVE, CARTRIDGES WITH CHECK VALVES, WRIST ACTION HANDLES, ADJUSTABLE WALL BRACKETS. OTHER ACCEPTABLE MANUFACTURERS: T&S, KROWNE, FISHER
3. TRIM FOR CENTRE SINK COMPARTMENTS: CHICAGO 970-CTF PURE WATER FAUCETS, TIN LINED, POLISHED CHROME PLATED, RIGID GOOSENECK SPOUT, SERRATED FULL FLOW LABORATORY NOZZLE, 64MM (2-1/2") VANDAL PROOF CROSS HANDLE WITH BUTTON INDEXED "DW", SELF CLOSING CARTRIDGE, ½" NPT FLANGED FEMALE INLET THREAD. OTHER ACCEPTABLE MANUFACTURERS: DELTA, LOC SCIENTIFIC,
4. GARBURATOR FOR LEFT AND RIGHT SINK COMPARTMENTS: INSINKERATOR MODEL SS-100, 1 HP MOTOR, 120V/1PH/60HZ, C/W MOUNTING COLLAR TO FIT SINK, MANUAL SWITCH WALL MOUNTED, SYPHON BREAKER, SOLENOID VALVE AND FLOW CONTROL VALVE.
5. P-TRAPS: 1 ½" CORROSION RESISTANT POLYPROPYLENE C/W CLEANOUT
6. SUPPLIES FOR DCW AND DHW: ½" TYPE L COPPER
7. ISOLATION VALVES FOR DCW AND DHW: BRASS CRAFT QUARTER TURN BALL STOPS, ½" SWEAT X 3/8" OD COMP W/ SCREW DRIVER SLOT. OTHER ACCEPTABLE MANUFACTURERS: WATTS, JAY R SMITH.
8. SUPPLIES FOR DEIONIZED WATER: ½" NPT SCH 80 POLYPROPYLENE
9. ISOLATION VALVES FOR DEIONIZED WATER: POLYPROPYLENE BALL VALVES

S-2 STAINLESS STEEL SINK (WALL MOUNTED HAND WASH SINK, HANDS FREE FAUCET)

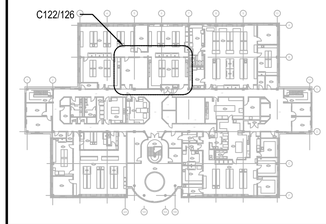
1. FIXTURE: ELKAY MODEL ELV2219SACTMC, 304 STAINLESS STEEL, OVERALL SINK DIMENSIONS 560MM X 482MM X 486MM, 38MM DRAIN SIZE, REAR CENTER DRAIN LOCATION, TOP CENTER HOLE FOR FAUCET, S.S. CRUMB CUP/BASKET STRAINERS, S.S. 1 ½" TAILPIECES, C/W INSTALLATION KIT. OTHER ACCEPTABLE MANUFACTURERS: KINDRED, AMERICAN STANDARD, KOHLER.
2. TRIM: SLOAN BASYS EFX-275-502-0100, INFRARED SENSOR ACTIVATED ELECTRONIC FAUCET WITH BATTERY BACKUP, SOLENOID VALVE WITH STRAINER, INTEGRAL MIXING VALVE, LOW FLOW 1.5 GPM AERATOR.
3. P-TRAP: 1 ½" CORROSION RESISTANT POLYPROPYLENE C/W CLEANOUT
4. WALL CARRIER: PLATE TYPE SYSTEM OF SUITABLE DIMENSION FOR USE WITH SINK AND FIT IN EXISTING WALL. ACCEPTABLE MATERIAL: ZURN, WATTS, JAY R SMITH
5. SUPPLIES: ½" TYPE L COPPER
6. ISOLATION VALVES: BRASS CRAFT QUARTER TURN BALL STOPS, ½" SWEAT X 3/8" OD COMP W/ SCREW DRIVER SLOT. OTHER ACCEPTABLE MANUFACTURERS: WATTS, JAY R SMITH

EASTPOINT

CLIENT NAME / LOGO:

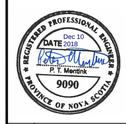
CFIA·ACIA

KEY PLAN:



PLUMBING LEGEND

— · — · —	DOMESTIC COLD WATER
— - — - —	DOMESTIC HOT WATER
—A—A—	ACID WASTE
—DI—DI—	DEIONIZED WATER
—N2—N2—	NITROGEN
—CO2—C02—	CARBON DIOXIDE
	EXISTING DOMESTIC COLD WATER
	EXISTING DOMESTIC HOT WATER
	EXISTING ACID WASTE
	EXISTING DEIONIZED WATER
	EXISTING NITROGEN
TPV	TRAP VALVE PRIMER
EW	EMERGENCY EYE WASH AND SHOWER



REV	DESCRIPTION	APP	DATE
0	ISSUED FOR TENDER	HR	07DEC2018

PROJECT NAME:
DARTMOUTH LABORATORY FIT-UP PHASE I

JOB LOCATION:
DARTMOUTH, N.S.

DRAWING TITLE:
PLUMBING
SECOND FLOOR LAYOUT PLANS
ROOMS C122 & C126
(DEMOLITION AND NEW)

DWN BY:	QHS	CKD BY:	PM
DES BY:	PM	SHT NO:	X

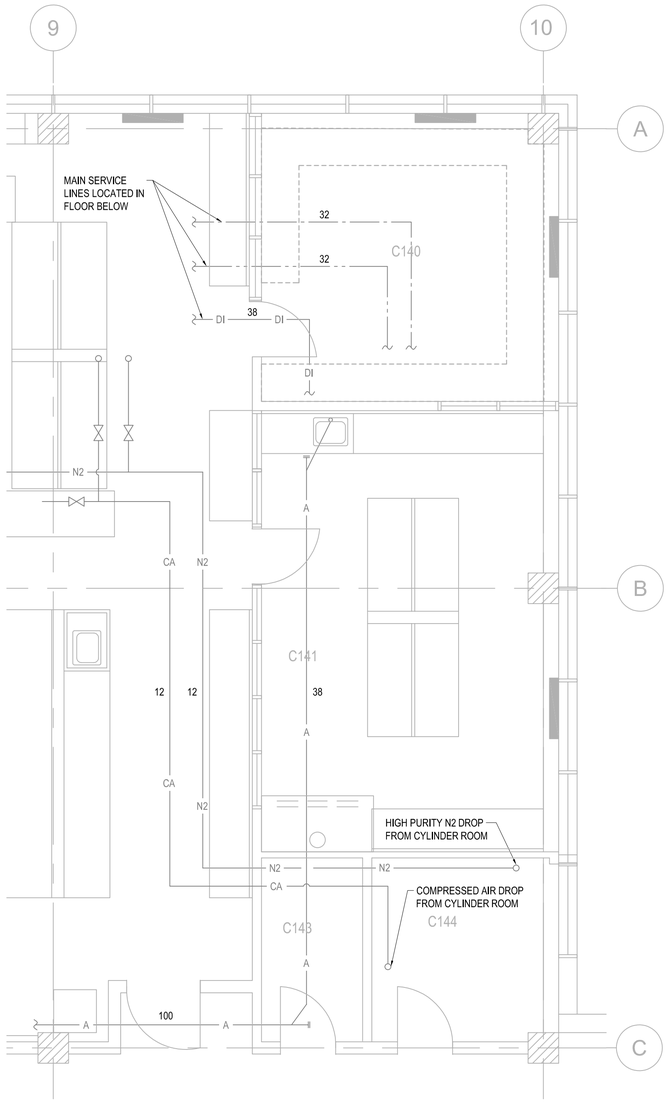
SCALE: AS SHOWN

CLIENT JOB NO:	EASTPOINT JOB NO:
-	600011

DRAWING NO:	REV:
P-001	0

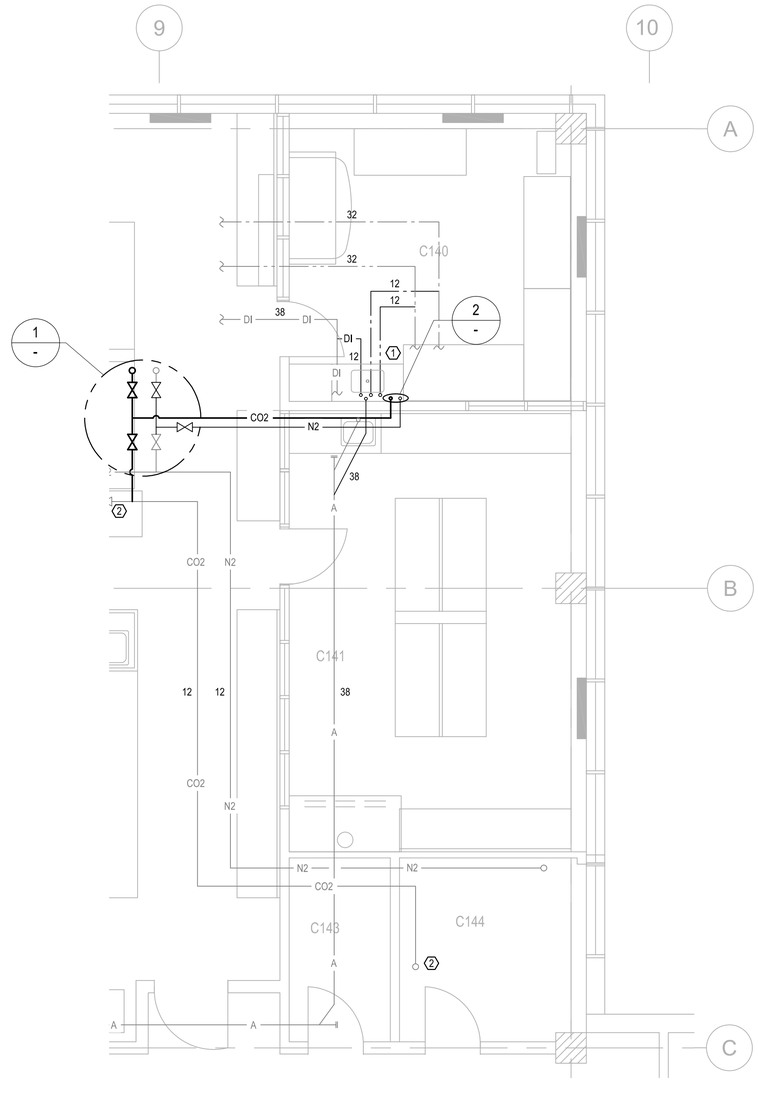
10 Dec 2018 - 8:14:50 AM - Dulin Hallington-Sawyer - I:\600\CFIA\600011 Dartmouth Lab Fit Up Phase 1\Drawings\P-001.dwg

TITLE BLOCK @ 1:1 FULL SIZE = A1 (841mm x 594mm)



PLAN (DEMOLITION) - LEVEL "C" - SECOND FLOOR, C140

SCALE: 1:50



PLAN (NEW CONSTRUCTION) - LEVEL "C" - SECOND FLOOR, C140

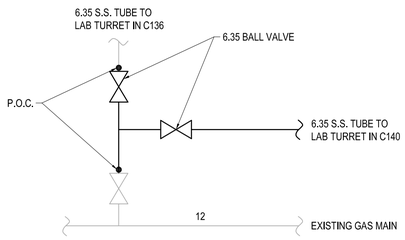
SCALE: 1:20

1:50 500 0 500 1000 1500 2000 2500 3000 3500 mm

PLUMBING SCOPE NOTES

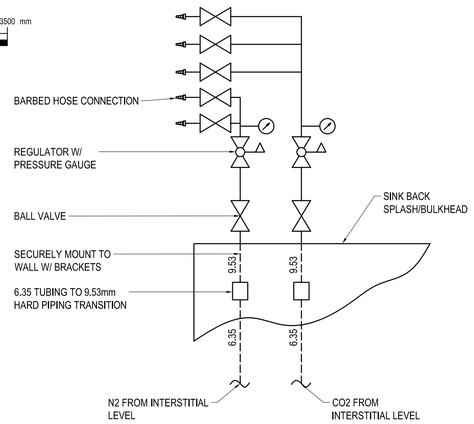
1. REINSTALL THE SINK, TWO (2) FAUCETS, GARBURATOR AND UNDER SINK CABINETRY FROM LAB C122. MAKE DCW LINE CONNECTION TO GARBURATOR AND INSTALL CONTROLLER AND SWITCH.
2. REPURPOSE EXISTING COMPRESSED AIR (CA) DISTRIBUTION FOR USE AS CARBON DIOXIDE (CO2). RELABEL ALL CA DISTRIBUTION PIPING WITH CO2 LABELS. RELABEL ALL TURRETS IN LAB C136 AND C141 FROM CA TO CO2. RELABEL CA IDENTIFICATION LABELS IN GAS CYLINDER ROOM C144 FROM CA TO CO2. RELABEL ALL VALVE TAGS ON DISTRIBUTION LINE FROM CA TO CO2 AND UPDATE VALVE SCHEDULE.

1:50 500 0 500 1000 1500 2000 2500 3000 3500 mm



1 / - DETAIL - GAS TIE IN TYP. FOR C02 AND N2

SCALE: N.T.S.



2 / - DETAIL - GAS TURRET

SCALE: N.T.S.

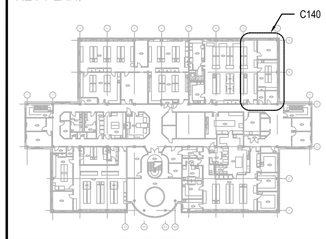
NOTE: PROVIDE "N2" AND "CO2" LABELS FOR EACH REGULATOR.

EASTPOINT

CLIENT NAME / LOGO:

CFIA·ACIA

KEY PLAN:



NOTES:

1. ALL SERVICE PIPING LOCATED IN INTERSTITIAL AREA (LEVEL B) BELOW

PLUMBING LEGEND

DOMESTIC COLD WATER	
DOMESTIC HOT WATER	
A — A	ACID WASTE
DI — DI	DEIONIZED WATER
N2 — N2	NITROGEN
CO2 — C02	CARBON DIOXIDE
	EXISTING DOMESTIC COLD WATER
	EXISTING DOMESTIC HOT WATER
A — A	EXISTING ACID WASTE
DI — DI	EXISTING DEIONIZED WATER
N2 — N2	EXISTING NITROGEN
TPV	TRAP VALVE PRIMER
EW	EMERGENCY EYE WASH AND SHOWER

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PROJECT NAME:
DARTMOUTH LABORATORY FIT-UP PHASE I

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SECOND FLOOR LAYOUT PLANS
ROOM C140
(DEMOLITION AND NEW)

DWN BY:	QHS	CKD BY:	PM
DES BY:	PM	SHT NO:	X

SCALE: AS SHOWN

CLIENT JOB NO:	EASTPOINT JOB NO:
-	600011

DRAWING NO:	REV:
P-002	0

REGISTERED PROFESSIONAL ENGINEER — PROVINCE OF NOVA SCOTIA — DATE Dec 07 2018 — P. T. Mernink — 9090

07 Dec 2018 - 3:10:08 PM - Quinn Hodgson-Sawyer - I:\600 CFIA\600011 Dartmouth Lab Fit Up Phase 1\Drawings\P-002.dwg