## DOOR AND DOOR FRAME SCHEDULE

| DOOR # | LOCATION | DOOR INFORMATION: DOOR TYPE | SIZE (WxHT) | MAT. | FINISH | INSUL. | GLAZE | FRAME INFORMATION: FRAME TYPE | MAT. | FINISH | INSUL | FIRE RATED | HARDWARE GROUP | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D144 | LAB ROOMS 144 | DT1 | 900 X 2150 | S.W. | PTD. | - | - | FT1 | P.STL. | PTD. | - | - | 1 | - |
| D146-1 | LAB ROOM 146-1 | DT2 | 900 X 2150 | S.W. | PTD. | - | X | FT1 | P.STL. | PTD. | - | - | 2 | - |
| D173-1A | RM 173-1 | DT1 | 900 X 2150 | STL. | PTD. | - | - | FT1 | P.STL. | PTD. | - | 45min. | 3 | - |
| D173-1B | RM 173-1 | DT1 | 800 X 2150 | STL. | PTD. | - | - | FT1 | P.STL. | PTD. | - | 45min. | 4 | - |

### LEGEND

STL. STEEL (AS PER SPEC)
PTD. PAINTED (AS PER SPEC)
P.STL. PRESSED STEEL (AS PER SPEC.)
S.W. SOLIDCORE WOOD (AS PER SPEC.)

## ROOM FINISH SCHEDULE

| ROOM # | FLOOR: MATERIAL | FLOOR: BASE | WALL: NORTH | WALL: EAST | WALL: SOUTH | WALL: WEST | CEILING: FINISH | REMARKS |
|---|---|---|---|---|---|---|---|---|
| 116 | - | - | - | - | - | - | - | - |
| 118 | - | - | PAINT | PAINT | PAINT | PAINT | - | CLEAN AND SEAL FLOOR, PATCH, REPAIR AND PAINT GYPSUM BOARD WALLS |
| 120 | - | - | - | - | - | - | - | - |
| 122 | - | - | - | - | - | - | - | - |
| 124 | - | - | - | - | - | - | - | - |
| 126A | - | - | - | - | - | - | - | - |
| 126B | - | - | - | - | - | - | - | - |
| 128 | - | - | - | - | - | - | - | - |
| 141 | - | - | - | - | - | - | - | - |
| 143 | - | - | - | - | - | - | - | - |
| 144 | - | - | - | - | - | - | - | - |
| 145 | - | - | - | - | - | - | - | - |
| 146 | - | R.B. | PTD. | PTD. | PTD. | PTD. | - | FINISH AND PAINT NEW WALL PARTITION, PROVIDE R.B. |
| 146-1 | - | R.B. | PTD. | PTD. | PTD. | PTD. | - | FINISH AND PAINT NEW WALL PARTITION, PROVIDE R.B. |
| 147 | - | - | - | - | - | - | - | - |
| 148 | - | - | - | - | - | - | - | - |
| 148-1 | - | - | - | - | - | - | - | - |
| 149 | - | - | - | - | - | - | - | - |
| 150 | E.F. | C.B. | - | - | - | - | - | NEW EPOXY FLOORING IN CHEMICAL STORAGE ROOM |
| 151 | - | - | - | - | - | - | - | - |
| 160 | - | R.B. | PTD. | PTD. | PTD. | PTD. | - | REUSE EXISTING BASE FROM PARTIAL DEMOLITION OF RM 160 |
| 163 | - | - | - | - | - | - | - | - |
| 164 | - | - | PTD. | PTD. | PTD. | PTD. | - | PATCH, REPAIR AND PAINT GYPSUM |
| 166 | - | - | - | - | - | - | - | - |
| 167 | - | - | - | - | - | - | - | - |
| 168 | - | - | PTD. | PTD. | PTD. | PTD. | - | PATCH, REPAIR AND PAINT GYPSUM BOARD WALLS |
| 169 | - | - | PTD. | PTD. | PTD. | PTD. | - | PATCH, REPAIR AND PAINT GYPSUM BOARD WALLS |
| 170 | - | - | PTD. | PTD. | PTD. | PTD. | - | PATCH, REPAIR AND PAINT GYPSUM BOARD WALLS |
| 171 | - | - | - | - | - | - | - | - |
| 173-1A | - | - | PTD. | PTD. | PTD. | PTD. | PTD. G.W.B. | PAINT EXISTING C.M.U. WALLS AND NEW WALL PARTITION |
| 173-1B | - | - | PTD. | PTD. | PTD. | PTD. | PTD. G.W.B. | PAINT EXISTING C.M.U. WALLS AND NEW WALL PARTITION |
| 175 | - | R.B. | - | - | PTD. | - | - | FINISH / PAINT NEW INTERIOR PARTITION, PROVIDE R.B. |
| 175-1 | - | R.B. | PTD. | - | - | - | - | FINISH / PAINT NEW INTERIOR PARTITION, PROVIDE R.B. |
| 176 | - | - | - | - | - | - | - | - |
| 177 / 178 | S.V. | R.B. | PTD. | PTD. | PTD. | PTD. | A.C.T. | - |

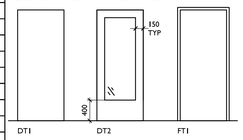
## EQUIPMENT SCHEDULE

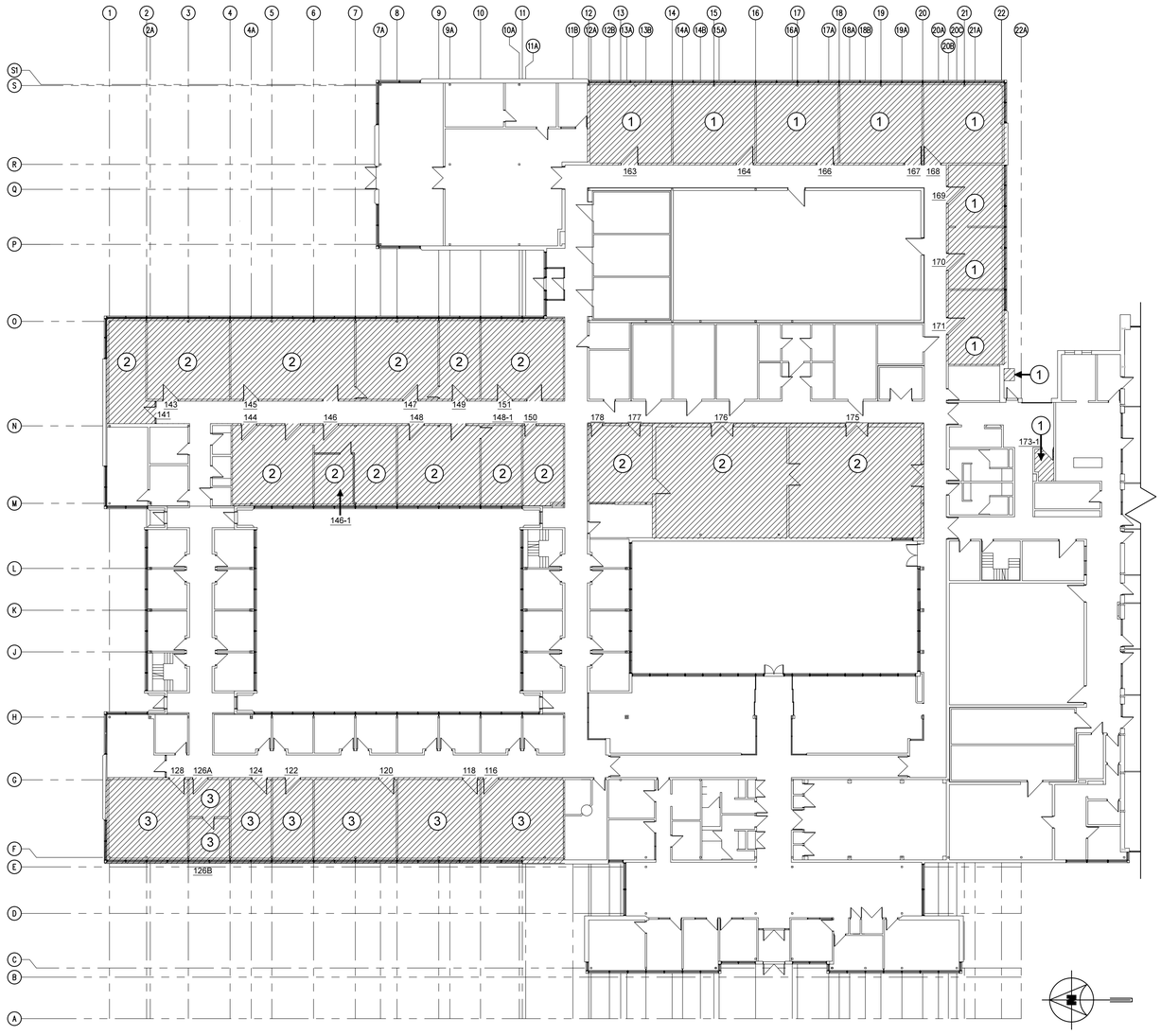
| RM# | LABORATORY EQUIPMENT | SPECIAL REQUIREMENTS |
|---|---|---|
| 116 | HALF SIZE REFRIGERATOR | NONE |
| 118 | BIOHAZARD SAFETY CABINET #502691, FREEZER #501686 , FRIDGE. #501179, FRIDGE #501688, | CONTRACTOR TO PROVIDE GAS SUPPLY FOR B.S.C. #502691 SEE MECH. |
| 120 | NONE | NONE |
| 122 | FRIDGE #501209 | NONE |
| 124 | BIOHAZARD SAFETY CABINET #503224 | NONE |
| 126A | LAMINAR FLOW CLEAN BENCH #497942 | NONE |
| 126B | COPY STAND #428773, UNDER COUNTER FRIDGE #503733 | NONE |
| 128 | FRIDGE#451155, FRIDGE#500723, MILLIPORE WATER PURIFICATION SYSTEM | NONE |
| 141 | MASS SPECTROMETER#503213, FRIDGE#302304, POWER SUPPLY#500990, COMPRESSED GAS CYLINDERS | SPECIAL POWER REQUIREMENTS FOR #500990 SEE ELEC. |
| 143 | FRIDGE#503401, FRIDGE#451053 | NONE |
| 144 | FRIDGE#420447, TWO DOOR COOLER#497719 | NONE |
| 145 | UPRIGHT FREEZER#503673, BENCH FREEZE DRYER#497893, FREEZER#497764, FREEZER#497765, FRIDGE #502219 | NONE |
| 146 | ILLUMINA EQUIPMENT. | NONE |
| 146-1 | ILLUMINA EQUIPMENT | NONE |
| 147 | NONE | NONE |
| 148 | GLASS DOOR FRIDGE. (ASSET # TO CONFIRMED BY C.R.C.) | NONE |
| 148-1 | BIOLOGICAL SAFETY CABINET, ASSET # TO BE CONFIRMED BY C.R.C. FRIDGE#420081, FRIDGE#452388 | NONE |
| 149 | CENTRIFUGE#503424, TWO DOOR COOLER, FRIDGE. (ASSET # 'S TO CONFIRMED BY A.A.F.C.) | NONE |
| 150 | CONTRACTOR TO PROVIDE TWO LOCKABLE FLAMMABLE SOLVENT STORAGE CABINETS. | NONE |
| 151 | NONE | NONE |
| 160 | NONE | NONE |
| 163 | NONE | NONE |
| 164 | NONE | NONE |
| 166 | NONE | NONE |
| 167 | LAMINAR FLOW HOOD, & FRIDGE. ASSET #'S TO BE CONFIRMED BY C.R.C. | NONE |
| 168 | NONE | NONE |
| 169 | BRUKER NMR#414234, UNITY NIR#414362, SCANNER DIA#446081, SEED COUNTER#460714, DENVER INSTRUMENT BALANCE#497387 | GAS LINE INFRASTRUCTURE SEE MECH. |
| 170 | LECO#414188, GAS CHROMATOGRAM#414320, GAS CHROMATORGRAM#446201, ISOTEMP DRYING OVEN#446186, CONTRACTOR TO PROVIDE DISHWASHER SEE SPECIFICATIONS. | GAS LINE INFRASTRUCTURE / EMERGENCY POWER SEE MECH.AND ELEC. |
| 171 | NONE | NONE |
| 173-1A | COMPRESSED AIR CYLINDER STORAGE. 4 SIZE K HELIUM, 2 SIZE K HYDROGEN TO SUPPORT ROOM 170 | FIRE SEPARTED ROOM. COMPRESSED GAS LINES TO ROOM 170 |
| 173-1B | COMPRESSED AIR CYLINDER STORAGE. 2 SIZE K CYLINDERS TO SUPPORT ROOM 170 | FIRE SEPARATED ROOM. COMPRESSED AIR LINES TO ROOM 170 |
| 175 | GROWTH CHAMBER#16, GROWTH CHAMBER#20 (CONTRACTOR TO RECONNECT), EXISTING INCUBATORS (ASSET #'S BY A.A.F.C.) | RELOCATION OF CONDENSER REQUIRED SEE MECHANICAL. |
| 175-1 | CABINET AIR FLOW#420086, FLOW HOOD#420296, FLOW HOOD#420297, INCUBATOR#451637, SAFETY HOOD#199892 | NONE |
| 176 | FREEZERS #428858, #170943, #452983, #501193, #452735 CENTRIFUGE#497965, #503597, ICE MACHINE#503681, AND 23 ADDITIONAL FREEZERS (A.A.F.C. AND C.R.C. TO CONFIRM ASSET #'S) | NONE |
| 177 / 178 | 2 AUTOCLAVES, 2 LAMINAR FLOW HOODS (ASSET #'S TO BE CONFIRMED BY C.R.C.) | NONE |

### LEGEND

- INDICATED EXISTING MATERIALS / FINISH
PTD. PAINT
R.B. RUBBER BASE
S.V. SHEET VINYL
A.C.T. ACOUSTIC CEILING TILE
G.W.B. GYPSUM WALL BOARD
E.F. EPOXY FLOORING
C.B. SHEET VINYL

### DOOR AND FRAME TYPES




## CONSTRUCTION PHASING PLAN

AREA OF WORK

1. CONSTRUCTION PHASE 1:
LAB ROOMS: 163, 164, 166, 167, 168, 169, 170, 171, 173-1 AND EXTERIOR OXYGEN STORAGE

2. CONSTRUCTION PHASE 2:
LAB ROOMS: 141, 143, 144, 145, 146, 147, 148, 148-1, 149, 150, 151, 175, 176, 177, 178

3. CONSTRUCTION PHASE 3:
LAB ROOMS: 116, 118, 120, 122, 124, 126A, 126B, 128

## GENERAL NOTES

1. INFORMATION CONCERNING EXISTING CONSTRUCTION WAS TAKEN FROM ORIGINAL DRAWINGS AND IS ASSUMED CORRECT.

2. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF MEASUREMENTS AND QUANTITIES OF MATERIALS REQUIRED.

3. PERFORM WORK IN STRICT ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA AND ANY OTHER CODE OF PROVINCIAL APPLICATION.

4. DRAWINGS MUST NOT BE SCALED.

5. WHERE NEW WORK CONNECTS WITH EXISTING AND WHERE EXISTING WORK IS ALTERED, PATCH REPAIR AND MAKE GOOD TO MATCH EXISTING.

6. ALL FINISHES AND MATERIALS TO REMAIN ARE TO BE PROTECTED IN THEIR EXISTING CONDITION EXCEPT AS NOTED. ANY FINISHES DAMAGED IN THE COURSE OF CONSTRUCTION ARE TO BE PATCHED, REPAIRED AND MADE GOOD.

7. IN CASE OF DOUBT, CONFLICT OR DISCREPANCIES ON THE DRAWINGS, SPECIFICATIONS, MATERIALS OR METHOD OF CONSTRUCTION, CONSULT ARCHITECT FOR CLARIFICATION BEFORE PROCEEDING WITH WORK.

## DRAWING INDEX


A0.1 - COVER SHEET
A0.2 DRAWING INDEX / PHASING PLAN


## ARCHITECTURAL


A1.0 - SITE PLAN
A1.1 - DEMOLITION PLANS LAB ROOMS: 116, 118, 120, 122, 124, 126A, 126B, 128, 175, 176, 177, 178
A1.2 - DEMOLITION PLANS LAB ROOMS: 141, 143, 144, 145, 146, 147, 148, 148-1, 149, 150, 151
A1.3 - DEMOLITION PLANS LAB ROOMS: 163, 164, 166, 167, 168, 169, 170, 171, 173-1
A2.1 - CONSTRUCTION PLANS LAB ROOMS: 116, 118, 120, 122, 124, 126A, 126B, 128, 175, 176, 177, 178
A2.2 - CONSTRUCTION PLANS LAB ROOMS: 141, 143, 144, 145, 146, 147, 148, 148-1, 149, 150, 151
A2.3 CONSTRUCTION PLANS LAB ROOMS: 163, 164, 166, 167, 168, 169, 170, 171, 173-1


## STRUCTURAL


S1.0 - GENERAL NOTES / PARTIAL ROOF FRAMING PLAN


## MECHANICAL


M0.1 - DRAWING LIST AND SYMBOL LEGEND
M1.1 - PLUMBING DEMOLITION PLAN - LABORATORY ROOMS: 116, 118, 120, 122, 124, 126A, 126B, 128, 175, 176, 177, 178
M1.2 - PLUMBING DEMOLITION PLAN - LABORATORY ROOMS: 141, 143, 144, 145, 146, 147, 148, 148-1, 149, 150, 151
M1.3 - PLUMBING DEMOLITION PLAN - LABORATORY ROOMS: 163, 164, 166, 167, 168, 169, 170, 171
M1.4 - HVAC DEMOLITION PLAN - LABORATORY ROOMS: 116, 118, 120, 122, 124, 126A, 126B, 128, 175, 176, 177, 178
M1.5 - HVAC DEMOLITION PLAN - LABORATORY ROOMS: 141, 143, 144, 145, 146, 147, 148, 148-1, 149, 150, 151
M1.6 - HVAC DEMOLITION PLAN - LABORATORY ROOMS: 163, 164, 166, 167, 168, 169, 170, 171
M1.7 - HVAC DEMOLITION PLAN - CORRIDOR
M2.1 - PLUMBING CONSTRUCTION PLAN - LABORATORY ROOMS: 116, 118, 120, 122, 124, 126A, 126B, 128, 175, 175-1, 176, 177, 178
M2.2 - PLUMBING CONSTRUCTION PLAN - LABORATORY ROOMS: 141, 143, 144, 145, 146, 147, 148, 148-1, 149, 150, 151
M2.3 - PLUMBING CONSTRUCTION PLAN - LABORATORY ROOMS: 163, 164, 166, 167, 168, 169, 170, 171, 173-1
M3.1 - HVAC CONSTRUCTION PLAN - LABORATORY ROOMS: 116, 118, 120, 122, 124, 126A, 126B, 128, 175, 175-1, 176, 177, 178
M3.2 - HVAC CONSTRUCTION PLAN - LABORATORY ROOMS: 141, 143, 144, 145, 146, 147, 148, 148-1, 149, 150, 151
M3.3 - HVAC CONSTRUCTION PLAN - LABORATORY ROOMS: 163, 164, 166, 167, 168, 169, 170, 171, 173-1


## ELECTRICAL


E0.1 - ELECTRICAL DRAWING LIST AND SYMBOL LEGEND
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E1.2 - ELECTRICAL DEMOLITION PLAN - LABORATORY ROOMS: 141, 143, 144, 145, 146, 147, 148, 148-1, 149, 151
E1.3 - ELECTRICAL DEMOLITION PLAN - LABORATORY ROOMS: 164, 166, 167, 168, 169, 170, 171
E1.4 - ELECTRICAL DEMOLITION PLAN - LABORATORY ROOMS: 175, 176, 177, 178 AND CORRIDOR
E2.1 - ELECTRICAL CONSTRUCTION PLAN LABORATORY ROOMS: 116, 118, 120, 122, 124, 126A, 126B, 128 EXISTING MAIN FLOOR PLAN
E2.2 - ELECTRICAL CONSTRUCTION PLAN LABORATORY ROOMS: 141, 143, 144, 145, 146, 147, 148, 148-1, 149, 150, 151
E2.3 - ELECTRICAL CONSTRUCTION PLAN LABORATORY ROOMS: 163, 164, 166, 167, 168, 169, 170, 171,
E2.4 - ELECTRICAL CONSTRUCTION PLAN LABORATORY ROOMS: 172, 173-1, 175, 176, 177, 178 - PART SINGLE LINE



Public Works and Government Services Canada
Travaux publics et Services gouvernementaux Canada

REAL PROPERTY SERVICES
Western Region
SERVICES IMMOBILIERS
Région de l'ouest


PROVINCE OF MANITOBA — REGULATED ARCHITECTURE — No. 152 — APPROVED ARCHITECTURAL PRACTICE — 10/11
PROVINCE OF MANITOBA — SHAME JOSHUA SOLOMON — ARCHITECT

**DO NOT SCALE DRAWINGS**

| Revision/ Revision | Description/Description | Date/Date |
|---|---|---|
| 5 | | |
| 4 | Issued for Tender and Construction | Oct 10, 13 |
| 3 | 99% Construction Documents | Aug 30, 13 |
| 2 | 50% Construction Document Submission | Jul 19, 13 |
| 1 | Design Development Submission | Jun 21, 13 |
| 0 | Pre Design | Jun 21, 13 |

Client/client

**Public Works and Government Services Canada**

**167 Lombard Avenue**
**Winnipeg, Manitoba**

Project title/Titre du projet
**Lab Renovations**
**Morden Research Station**
**Morden, Manitoba**

**Agriculture and Agri-Food Canada**

Approved by/Approuve par
S.S.

Designed by/Concept par
D.R. / S.I.

Drawn by/Dessine par
D.R. / S.I.

PWGSC Project Manager/Administrateur de Projets TPSGC
Steve Miville

PWGSC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'Ingénierie, TPSGC
-

Client/client
PWGSC

Drawing title/Titre du dessin
**DRAWING INDEX**
**CONSTRUCTION PHASING PLAN**

| Project No./No. du projet | Sheet/Feuille | Revision no./ La Révision no. |
|---|---|---|
| R.059536.001 | A0.2 OF | 4 |

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