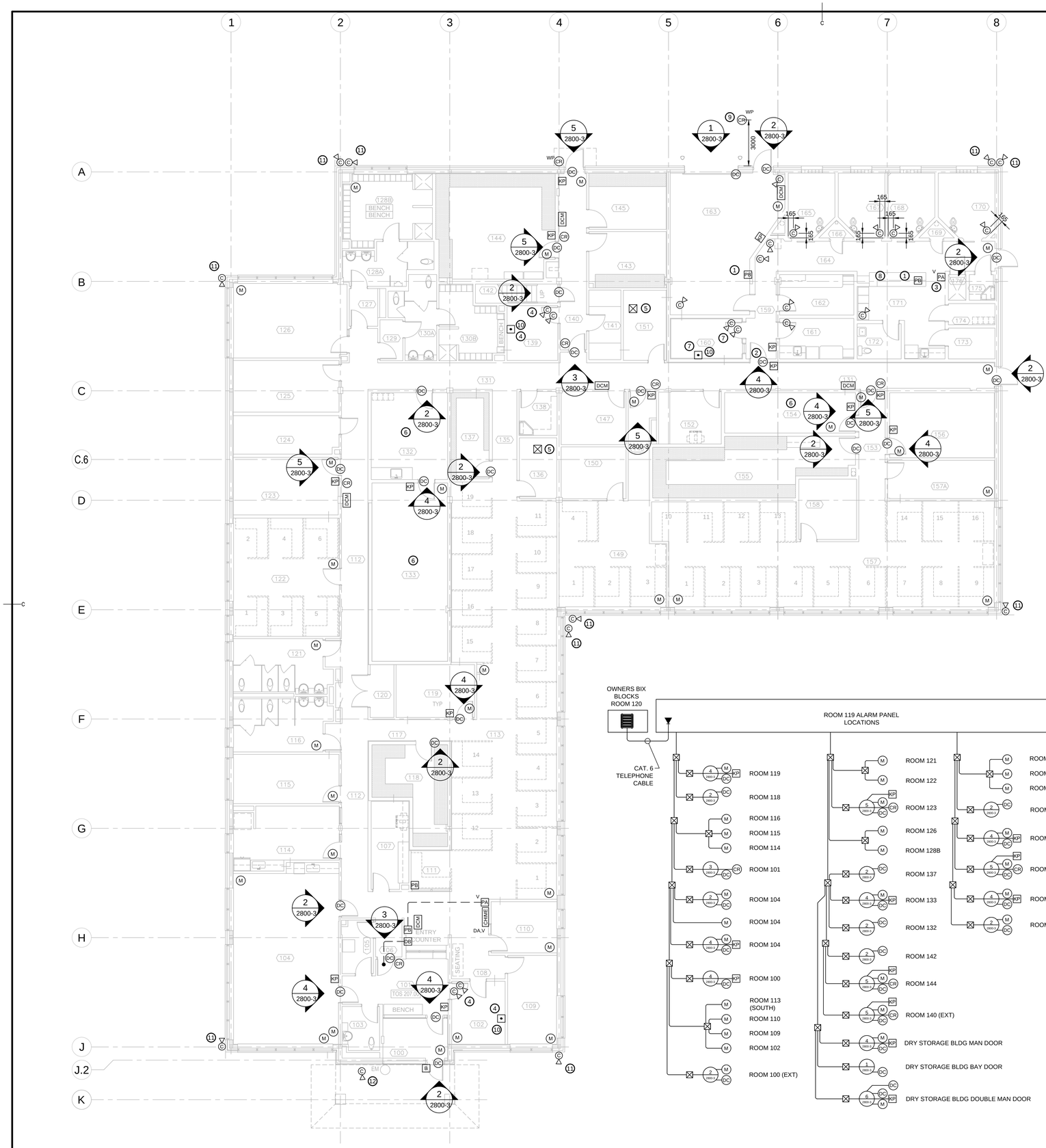
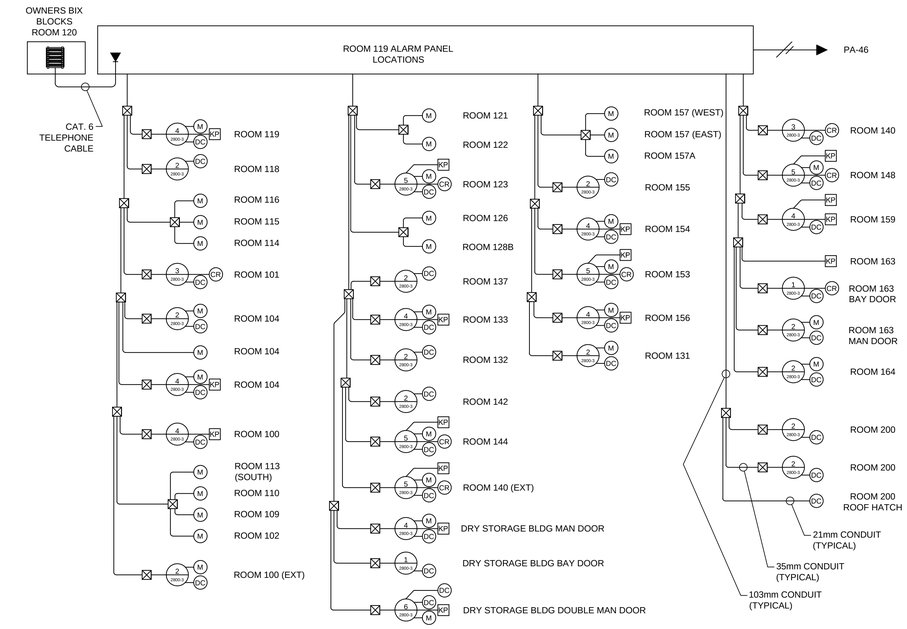



## SECURITY AND ELECTRONIC SAFETY FLOOR PLAN - MAIN LEVEL

SCALE : 1:100

0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m




## INTRUSTION ALARM AND ACCESS CONTROL SYSTEM SINGLE LINE

SCALE: NOT TO SCALE

0 10 20mm 40 60 80 100 120 140 160 180 200mm

## KEYNOTES

1. ALARM PUSHBUTTON TIED INTO INTRUSION ALARM SYSTEM. MOUNT PUSHBUTTON BELOW COUNTER.
2. USE DOOR TYPE 'D' WITH KEYPAD ON EACH SIDE OF DOOR.
3. ALARM HORN WILL SOUND WHEN PUSHBUTTONS ARE ACTUATED.
4. SUPPLY AND INSTALL MONITORING DEVICE WIRING IN 21mm CONDUITS FROM DEVICE LOCATION BACK TO JUNCTION BOX IN ROOM 136.
5. SUPPLY AND INSTALL 610mm x 610mm x 100mm JUNCTION BOX LOCATED IN ACCESSIBLE CEILING SPACE.
6. PULL BOXES OR JUNCTION BOXES SHALL NOT BE INSTALLED WITHIN OR OVER THIS ROOM UNLESS SPECIFICALLY SERVICING EQUIPMENT OR DEVICES LOCATED WITHIN.
7. SUPPLY AND INSTALL MONITORING DEVICE WIRING IN 21mm CONDUITS FROM DEVICE LOCATION BACK TO JUNCTION BOX IN ROOM 151.
8. 53mm CONDUIT COMPLETE WITH PULL CORD TO RUN FROM GUARD DESK BACK TO ROOM 151 FOR CCTV MONITOR. ROUTE UNDER SLAB AND COORDINATE FINAL STUB UP LOCATION WITH MILLWORK.
9. CARD READER MOUNTED TO SECURITY BOLLARD. INSTALL 21mm UNDERGROUND CONDUIT TO FEED CARD READER. REFER TO DRAWING 2600-2 FOR PEDESTAL DETAILS. COORDINATE FINAL LOCATION WITH DEPARTEMENTAL REPRESENTATIVE PRIOR TO ROUGH-IN.
10. FLUSH MOUNT DEVICES IN ROOMS WITH ACCOUSTIC WALL PANELS. SUPPLY ALL EXTENSION RINGS AND TAMPERPROOF HARDWARE AS REQUIRED.
11. EXTERIOR CAMERA LOCATIONS TO BE 305mm BELOW ROOF LINE. EMT CONDUIT TO STUB OUT AND STOP AT THE EXTERIOR FACE OF THE BUILDING THEN CONVERT TO LIQUID TIGHT FLEXIBLE CONDUIT. COORDINATE FINAL LOCATIONS WITH DEPARTMENTAL REPRESENTATIVE PRIOR TO ROUGH-IN.
12. CAMERA TO BE INSTALLED UNDER CANOPY. CABLING TO RUN INSIDE OF CANOPY TO CAMERA LOCATION. COORDINATE FINAL LOCATION WITH DEPARTMENTAL REPRESENTATIVE BEFORE ROUGH-IN.

## SECURITY LEGEND

| | |
|---|---|
| CR | ACCESS CONTROL CARD READER LOCATION |
| KP | ACCESS CONTROL KEYPAD LOCATION |
| DC | DOOR CONTACT LOCATION |
| M | INTRUSION ALARM MOTION SENSOR LOCATION, MOUNTED 2400mm A.F.F. |
| PA | PANIC ALARM BELL LOCATION. INSTALL 2 PAIR NUMBER 22 AWG IN 16mm C TO ROOM 119 |
| PB | PANIC ALARM BUTTON LOCATION |
| C◁ | CAMERA LOCATION. COORDINATE EXACT LOCATION OF BOX WITH DEPARTMENTAL REPRESENTATIVE PRIOR TO ROUGH-IN. |
| • | MICROPHONE OUTLET LOCATION, MOUNTED 450mm A.F.F. |
| CHIME | DOORBELL CHIME LOCATION, MOUNTED 305mm BELOW CEILING. |
| B | DOORBELL BUTTON LOCATION, MOUNTED 1220mm A.F.F. |
| DCM | SECURITY DOOR CONTROL MODULE SUPPLIED BY DEPARTMENTAL REPRESENTATIVE, INSTALLED BY DIV. 28. MOUNTED IN CEILING SPACE. POWER BY DIV.26. |
| ☒ | JUNCTION BOX. SIZE AS INDICATED |
| DB | DOOR RELEASE PUSHBUTTON, BY DEPARTEMENTAL REPRESENTATIVE. |

## NOTES:

1. USE 21mm CONDUIT FROM JUNCTION BOXES TO DEVICES.
2. LEAVE 1m COILS AT DEVICE LOCATIONS AND 3m COILS AT THE ALARM PANELS FOR TERMINATION AND COMMISSIONING BY DEPARTMENTAL REPRESENTATIVE.
3. COORDINATE FINAL LOCATIONS AND QUANTITIES OF DEVICES WITH FLOOR PLANS.
4. COORDINATE REQUIREMENTS WITH DEPARTMENTAL REPRESENTATIVE.
5. SEE DETAILS 1-6 ON DRAWING 2800-3 FOR DOOR CONTACT AND ELECTRIC LOCK LOCATIONS.
6. KEYPAD WIRING TO BE DAISY-CHAINED.
7. MOTION SENSORS ARE TO BE HOME RUNS BACK TO ROOM 119.
8. DOOR CONTACT WIRING FOR DOOR TYPE 1, 3, AND 5 ARE TO BE RUN BACK TO NEAREST DOOR CONTROL MODULE WITH A 610mm COIL THEN RUN BACK TO ROOM 119. ALL OTHER DOOR CONTACTS ARE TO RUN BACK TO ROOM 119.
9. ELECTRIC LOCK AND CARD READER WIRING ARE TO BE RUN BACK TO NEAREST DOOR CONTROL MODULE.
10. WIRING, CONDUIT, AND BOXES BY THIS OCNTRACTOR, DEVICES SUPPLIED AND INSTALLED BY DEPARTMENTAL REPRESENTATIVE.

## WIRING REQUIREMENTS

| | |
|---|---|
| CR | 8 CONDUCTOR #22 SHIELDED. DELCO #4020P-CC |
| KP | 8 CONDUCTOR #22 SHIELDED. DELCO #4020P-CC |
| DCM | 8 CONDUCTOR #22 SHIELDED. DELCO #4020P-CC |
| DC | 2 PAIR #22. TEVELEC #T13994-30-02 |
| M | 2 PAIR #22. TEVELEC #T154154 |
| ELECTRIC LOCKS | 8#18. TEVELEC #T154154 |


Public Works and Government Services Canada / Travaux Publics et Services gouvernementaux Canada

**exp** Architects Inc.
t: +1.506.452.9000 | f: +1.506.459.3954
1133 Regent Street, Suite 300
Fredericton, NB E3B 3Z2
CANADA
www.exp.com

**exp**. Project No. FRE-00214763-A5

BUILDINGS · EARTH & ENVIRONMENT
ENERGY · INDUSTRIAL ·
INFRASTRUCTURE · SUSTAINABILITY

**exp** Services Inc.
t: +1.506.452.9000 | f: +1.506.459.3954
1133 Regent Street, Suite 300
Fredericton, NB E3B 3Z2
CANADA
www.exp.com


CONST. NORTH

KEY PLAN

SCALE – NTS

REGISTERED PROFESSIONAL ENGINEER
Province of New Brunswick
M7039
Scott R. Porter
Signature
2016.03.17
Date
Province du Nouveau-Brunswick
INGÉNIEUR IMMATRICULÉ

| revisions | | date |
|---|---|---|
| 0 | RELEASED FOR CONSTRUCTION | 01/29/2016 |

project / projet

NEW
G.O.C.B
SAINT–LÉONARD
NEW BRUNSWICK

drawing / dessin

MAIN FLOOR PLAN
SECURITY,
ELECTRONIC SAFETY
AND DETAILS

designed SRP / conçu
date JANUARY 29, 2016
drawn MG / dessiné
date JANUARY 29, 2016
approved DAG / approuvé
date FEBRUARY 17, 2016
Tender / Soumission
PWGSC Project Manager / Administrateur de projets TPSGC
project number / no. du projet
R.069499.001
drawing no. / no. du dessin
2800–1

PWGSC B1 (2004)

E-DRM/GDD-E: 527793