



109 - 3725 Pasqua Street, Regina, SK. S4S 6W8
ph: (306) 569-2255

PROJECT

Window Replacement

Regina, Saskatchewan

PROJECT No.

32/2013

SET No.

DATE

2013-10-25

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END OF SECTION

Part 1 General

1.1 WORK COVERED BY CONTRACT DOCUMENTS

- .1 Work of this Contract comprises of replacement of windows on a 4 storey building. The project site is located in Regina, Saskatchewan and further identified as “Window Replacement”.

1.2 WORK SEQUENCE

- .1 The General Contractor will be responsible for the coordination of all work.
- .2 Coordinate the work to with the occupancy schedule, which will be provided by the Departmental Representative. The North and East wings on the 1st and 2nd floors will be occupied during construction. Schedule work outside of the occupancy schedule within the identified occupied spaces.

1.3 CONTRACTOR USE OF PREMISES

- .1 Coordinate use of premises under direction of Departmental Representative.
- .2 Obtain and pay for use of additional storage or work areas needed for operations under this Contract.
- .3 The site immediately adjacent to the South of this building is currently under restricted access by another General Contractor working for the same Owner. Cooperate with the General Contractor of the adjacent site to obtain access to the South facades of the building. Similarly, that General Contractor will be instructed to cooperate with access requirements of the successful General Contractor for this window replacement project.
- .4 Provide secure storage containers in a location at this site, as directed by the Departmental Representative, for the storage of all windows. The storage location may be remote from the building but within a radius of 0.5 km.

1.4 EXISTING SERVICES

- .1 Notify Departmental Representative and utility companies of intended interruption of services and obtain required permission.
- .2 Where Work involves breaking into or connecting to existing services, give Departmental Representative 48 hours of notice for necessary interruption of mechanical or electrical service throughout course of work. Minimize duration of interruptions. Carry out work at times as directed by governing authorities with minimum disturbance to pedestrian, vehicular traffic and tenant operations.
- .3 Establish location and extent of service lines in area of work before starting Work. Notify Departmental Representative of findings.
- .4 Submit schedule to and obtain approval from Departmental Representative for any shut-down or closure of active service or facility including power and communications services. Adhere to approved schedule and provide notice to affected parties.

- .5 Provide temporary services when directed by Departmental Representative to maintain critical building and tenant systems.
- .6 Where unknown services are encountered, immediately advise Departmental Representative and confirm findings in writing.
- .7 Protect, relocate or maintain existing active services. When inactive services are encountered, cap off in manner approved by authorities having jurisdiction.
- .8 Record locations of maintained, re-routed and abandoned service lines.
- .9 Construct barriers in accordance with Section 01 56 00 - Temporary Barriers and Enclosures.

END OF SECTION

Part 1 General

1.1 USE OF SITE AND FACILITIES

- .1 Execute work with least possible interference or disturbance to normal use of premises.
- .2 Normal hours of operation are between 08:00 – 16:30, Monday to Friday for the North wings on the 1st and 2nd floors and for the East wing on the 1st floor.
- .3 Normal hours of operation are between 16:30 and 24:00, all days of the week, for the East wing on the 2nd floor.
- .4 Noise generating activities and access to the occupied spaces are to be conducted outside of normal hours of operation.

1.2 EXISTING SERVICES AND BUILDING SYSTEMS

- .1 Notify, Departmental Representative of intended interruption of services or building mechanical or electrical systems, and obtain required permission.
- .2 Where Work involves breaking into or connecting to existing services or disruption to electrical or mechanical systems, give Departmental Representative 48 hours of notice for necessary interruption of mechanical or electrical service throughout course of work. Keep duration of interruptions minimal.
- .3 Carry out interruptions after normal working hours of occupants, preferably on weekends.

1.3 SPECIAL REQUIREMENTS

- .1 Submit schedule in accordance with Section 01 32 16 - Construction Progress Schedules - Bar (GANTT) Chart.
- .2 Ensure that Contractor personnel employed on site become familiar with and obey regulations including safety, fire, traffic and security regulations.
- .3 Keep within limits of work and avenues of ingress and egress.

1.4 SECURITY CLEARANCES

- .1 Contractor personnel must submit to local law enforcement verification, prior to admittance to the facility site. The Client reserves the right to deny access to any facility / site or part thereof to any Contractor personnel, at any time.
- .2 All access to the building is to be through a designated entrance. Personnel will be signed in daily at start of work shift and provided with pass, which must be worn at all times. Pass must be returned at end of work shift and personnel checked out. All access to the building is to be through the designated entrance. All contractors are to be signed in and signed out on a daily basis
- .3 Security documents are attached at the end of the Section.

1.5 SECURITY ESCORT

- .1 Personnel employed on this project must be escorted when executing work in non-public areas during normal working hours. Personnel must be escorted in all areas after normal working hours.

1.6 BUILDING SMOKING ENVIRONMENT

- .1 Comply with smoking restrictions. No smoking will be allowed in the building. Smoking is allowed only in designated areas of the site and in personal vehicles.

1.7 OCCUPIED SPACES

- .1 Coordinate the work to with the occupancy schedule, which will be provided by the Departmental Representative. The North and East wings on the 1st and 2nd floors will be occupied during construction. Schedule work outside of the occupancy schedule within the identified occupied spaces.

1.8 SITE RESTRICTIONS

- .1 The site immediately adjacent to the South of this building is currently under restricted access by another General Contractor working for the same Owner. Cooperate with the General Contractor of the adjacent site to obtain access to the South facades of the building. Similarly, that General Contractor will be instructed to cooperate with access requirements of the successful General Contractor for this window replacement project.

END OF SECTION

RCMP Clearance Requirements (Law Enforcement Checks)

- .1 All personnel employed on this project will be subject to at a minimum, the RCMP Facilities Access Level 2 clearance requirements by the RCMP.
- .2 Prior to the commencement of the on-site activities, all personnel engaged in the execution of the work on the exterior or interior of an RCMP occupied and/or unoccupied building or outside on the grounds, shall have at a minimum, the requisite RCMP Facilities Access Level 2 clearance.
- .3 Immediately upon award of the contract, the Contractor shall prepare and submit the attached requisite forms, provided by the Departmental Representative (or failing that the RCMP Project Manager), for each Contractor employee and sub-contractor employee to be engaged in the work on the exterior or interior of an occupied and/or unoccupied building or outside on the grounds. In addition, Contractor's employees and sub-contractor employees must include with their requisite forms, government issued documents (driver's license/photo identification and birth certificate), for each Contractor employee and sub-contractor employee engaged in the work at the RCMP as noted above.

To eliminate delays in the clearance process, all clearance documents completed by the Contractor's employees and sub-contractor employees must be reviewed by the Contractor to ensure that all requested information has been provided, prior to submitting documents to the RCMP. Incomplete forms will be returned to the Contractor.

The Contractor's employees and sub-contractor employees shall only mobilize on site, once the requisite RCMP clearance has been granted.

- .4 The Contractor should batch the fully completed submissions, based on priority work on site and allow for a minimum twenty (20) working days processing time in the project schedule for the review to occur (from the date the completed documents are received by the RCMP). The inability to submit the fully completed requisite forms and documents will not be reason for an extension to the project schedule or additional compensation.
- .5 The Contractor's employees and subcontractor employees must be escorted at all times by a designate of the RCMP. This designate will be at no cost to the Contractor.
- .6 The Contractor shall give the RCMP 72 hours notice for work to be carried out during periods outside of the normal working hours of Monday to Friday, from 06:00 to 18:00 hours.
- .7 At the request of the Departmental Representative (or failing that the RCMP Project Manager), Contractor's employees and sub-contractor employees may be requested to undertake additional clearance requirements, to obtain the RCMP Reliability Status clearance. Additional clearance requirements would include submission of the completed TBS 330-60 form and Security Pre-Interview Questionnaire form, fingerprints for verification purposes (at no cost to the Contractor) and undertaking of an interview. This would enable the Contractor's employees or sub-contractor employees, whom have been granted the RCMP Reliability Status clearance, unescorted access to some occupied and/or unoccupied RCMP buildings, or outside on the grounds. Additional processing time (approximately forty working days) will be required for this clearance.



**RCMP NORTH WEST REGION
DEPARTMENTAL SECURITY SECTION
Contractor/Consultant Information Sheet
DEPOT CONSTRUCTION SITES**



Page 1 of 2

PLEASE PRINT LEGIBLY / ALL INFORMATION MUST BE PROVIDED

CONTRACTORS / CONSULTANTS TO COMPLETE

Contractors/Consultants to provide the requested information below.

This completed form must be returned with the attached clearance forms and 2 copies of personal identification (driver's license/photo identification & Birth Certificate, Passport, Firearms License) to:

**RCMP Depot Security Administration
Attention: Security Clearances
Fort Dufferin Dorm, 5600 – 11 Avenue
Regina, SK S4P 3J7**

1. Your Complete Legal Name: <i>(First/Middle or "no Middle Name"/ Last Name)</i>	
2. Name of Company That You Work For:	
3. Company Telephone Number:	
4. Project That You Are Working On: <i>(Name of Project/Building/City/Province)</i>	Depot B Blck-WindowReplacement-Construction SRCL #2013-11122229 RCMP Project Manager: Allan Currie, NPDO
5. Access Period (Start & End Dates): <i>(If exact dates unknown, estimate start & end dates)</i>	

CONTRACTORS / CONSULTANTS - PLEASE NOTE THE FOLLOWING:

Should an RCMP Access tag/card be issued to you, please note the following;

- 1) You are the sole user of the access tag and it must be visibly worn while working on the site.
- 2) The access tag is non-transferrable / cannot be used while working on projects other than the RCMP projects it was issued for.
- 3) The access tag **must be returned** to the RCMP issuing office or site foreman (if approved) at the end of each day.
- 4) Please park in designated areas only, as outlined by the RCMP Project Manager.
- 5) Contractors/Consultants must abide by the RCMP Smoking Policy: *Smoking is not permitted anywhere at Depot except in the designated smoking area within the work site, as approved by the RCMP.*
- 6) PLEASE NOTE CONTRACTORS ARE NOT PERMITTED TO OBTAIN FOOD AND/OR DRINK IN THE RCMP DIVISION MESS.
- 7) NO ACCESS TO AREAS THAT YOU HAVE NOT BEEN CLEARED WILL BE ALLOWED AND IF FOUND IN THESE AREAS YOUR CLEARANCE MAY BE REVOKED AND YOU MAY BE REMOVED FROM THE SITE.

Employee Signature:	Signed on Date:
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EMPLOYER TO REVIEW (not employee applicant of this form), COMPLETE AND SIGN:

In order to comply with Federal Government and RCMP policies and guidelines, in relation to the collection of personal information, the employer requesting the security checks must be satisfied that he/she can confirm the identity of the applicant.

The employer MUST ("employer" is your supervisor or a colleague of the company that you are employed by):

- 1) Request that their employees attend in person and provided two pieces of Identification.
- 2) ID MUST include full date of birth and name of the individual (ie. Drivers Licence - Birth Certificate, Passport, Firearms Licence).
(One piece of ID must include the photograph and if using the Drivers Licence copy both the photo portion as well as the signature portion.)
- 3) If the employee has changed his/her name, ID MUST BE provided with both the current as well as past names.

Type of ID 1) _____ Number _____
PROVIDED: 2) _____ Number _____

Employers Name: _____
(First Name and Last Name)

Employers Signature: _____

Date of signature: _____

Facilities Access Level 2 (FA2) clearance Applicants:

Documents noted in the box below must be provided with your FA2 clearance application (Facilities Access Level 2 Clearance Forms to be completed for FA2 clearances:

1. Contractor/ Consultant Information Sheet *AND*
2. Form TBS 330-23E):

<i>CONTRACTORS/CONSULTANTS MUST PROVIDE PHOTOCOPIES OF:</i>	
I HAVE ATTACHED THE FOLLOWING DOCUMENTS TO THE ABOVE NOTED FORMS:	YES / NO
1. Driver’s License (a clear copy of both the front and back of the document on the same page, certified to be a true copy by their supervisor or colleague). <i>Note:</i> <ol style="list-style-type: none"> 1. If you do not have a Driver’s License, please provide other government issued photo identification (passport, treaty card). 2. The photo must be clear. 	
2. Birth Certificate (a clear copy of both the front and back of the document on one page, certified to be a true copy by their supervisor or colleague). <i>Note:</i> <ol style="list-style-type: none"> 1. If you do not have a Birth Certificate, please provide other government issued identification (ie. Health Card Card, passport, treaty card). 	

RCMP Reliability Status (RRS) clearance Applicants:

Documents noted in the box below must be provided with your RRS clearance application RRS Clearance Forms to be completed for RRS clearances:

1. Contractor/ Consultant Information Sheet
2. Form TBS 330-23E
3. Form TBS 330-60E *AND*
4. Security/Reliability Pre-Interview Questionnaire:

<i>CONTRACTORS/CONSULTANTS MUST PROVIDE PHOTOCOPIES OF:</i>	
I HAVE ATTACHED THE FOLLOWING DOCUMENTS TO THE ABOVE NOTED FORMS:	YES / NO
1. Driver’s License (a clear copy of both the front and back of the document on the same page, certified to be a true copy by their supervisor or colleague). <i>Note:</i> <ol style="list-style-type: none"> 1. If you do not have a Driver’s License, please provide other government issued photo identification (passport, treaty card). 2. The photo must be clear. 	
1. Birth Certificate (a clear copy of both the front and back of the document on one page, certified to be a true copy by their supervisor or colleague). DOCUMENT MUST BE PROVIDED FOR RRS CLEARANCES – NO ALTERNATE DOCUMENTS IN LIEU OF BIRTH CERTIFICATE.	
2. Two current Passport Style Photographs (do not have to be certified)	
3. Two sets of Fingerprints (“Roll and Ink” style) – must be obtained from a Corp of Commissionaires office.	

PLEASE CHECK WITH THE GENERAL CONTRACTOR IF YOU ARE UNSURE WHAT LEVEL OF SECURITY CLEARANCE YOU SHOULD BE APPLYING FOR.



PERSONNEL SCREENING, CONSENT AND AUTHORIZATION FORM

OFFICE USE ONLY		
Reference number	Department/Organization number	File number

NOTE: For Privacy Act Statement refer to Section C of this form and for completion instructions refer to attached instructions. Please typewrite or print in block letters.

A ADMINISTRATIVE INFORMATION (To be completed by the Authorized Departmental/Agency/Organizational Official)

New
 Update
 Upgrade
 Transfer
 Supplemental
 Re-activation

The requested level of reliability/security check(s)

Reliability Status
 Level I (CONFIDENTIAL)
 Level II (SECRET)
 Level III (TOP SECRET)

Other _____

PARTICULARS OF APPOINTMENT/ASSIGNMENT/CONTRACT

Indeterminate
 Term
 Contract
 Industry
 Other (specify secondment, assignment, etc.) _____

Justification for security screening requirement

Position/Competition/Contract number	Title	Group/Level (Rank if applicable)	
Employee ID number/PRI/Rank and Service number (if applicable)	If term or contract, indicate duration period ▶	From	To
Name and address of department / organization / agency	Name of official	Telephone number ()	Facsimile number ()

B BIOGRAPHICAL INFORMATION (To be completed by the applicant)

Surname (Last name)	Full given names (no initials) underline or circle usual name used	Family name at birth
All other names used (i.e. Nickname)	Sex <input type="checkbox"/> Male <input type="checkbox"/> Female	Date of birth Y M D
	Country of birth	Date of entry into Canada if born outside Canada Y M D

RESIDENCE (provide addresses for the last five years, starting with the most current)

Home address

Daytime telephone number ()

E-mail address

1	Apartment number	Street number	Street name	Civic number (if applicable)	From Y M	To present
	City		Province or state	Postal code	Country	Telephone number ()

2	Apartment number	Street number	Street name	Civic number (if applicable)	From Y M	To Y M
	City		Province or state	Postal code	Country	Telephone number ()

Have you previously completed a Government of Canada security screening form? Yes No

If yes, give name of employer, level and year of screening. Y

CRIMINAL CONVICTIONS IN AND OUTSIDE OF CANADA (see instructions)

Have you ever been convicted of a criminal offence for which you have not been granted a pardon? Yes No

If yes, give details. (charge(s), name of police force, city, province/state, country and date of conviction) ▼

Charge(s)	Name of police force	City
Province/State	Country	Date of conviction ▶ Y M D





INSTRUCTIONS FOR PERSONNEL SCREENING CONSENT AND AUTHORIZATION FORM TBS/SCT 330-23E (Rev. 2002/02)

Once completed, this form shall be safeguarded and handled at the level of Protected A.

General:

If space allotted in any portion is insufficient please use separate sheet using same format.

1. Section A (Administrative Information) Authorized Departmental/Agency/Organizational Official

The Official, based on instructions issued by the Departmental Security Officer, may be responsible for determining, based on five year background history, what constitutes sufficient verification of personal data, educational and professional qualifications, and employment history. References are to be limited to those provided on the application for employment or equivalent forms.

SUPPLEMENTAL INFORMATION REQUIREMENTS

Persons who presently hold a SECURITY CLEARANCE and subsequently marry, remarry or commence a common-law partnership, in addition to having to update sections of the *Security Clearance Form (TBS/SCT 330-60)*, are required to submit an original *Personnel Screening, Consent and Authorization Form*, with the following parts completed:

Part A - As set forth in each question

Part B - As set forth in each question, excluding CRIMINAL CONVICTIONS IN AND OUTSIDE OF CANADA.

Part C - Applicant's signature and date only are required

"Other". This should be used to identify if the security screening is for Site Access, NATO, SIGINT etc.

2. Section B (Biographical Information)

To be completed by the **applicant**. If more space is required use a separate sheet of paper. Each sheet must be signed.

Country of Birth - For "NEW" requests, if born abroad of Canadian parents, please provide a copy of your Certificate of Registration of Birth Abroad. If you arrived in Canada less than five years ago, provide a copy of the Immigration Visa, Record of Landing document or a copy of passport.

- List only criminal convictions for which a pardon has NOT been granted. Include on a separate attached sheet of paper, if more than one conviction. Applicant must include those convictions outside Canada.
- Offences under the *National Defence Act* are to be included as well as convictions by courts-martial are to be recorded.

3. Section C (Consent and Verification)

A copy of Section "C" may be released to institutions to provide acknowledgement of consent.

Criminal record checks (fingerprints may be required) and credit checks are to be arranged through the Departmental Security Office or the delegated Officer.

Consent: may be given only by an applicant who has reached the age of majority, otherwise, the signature of a parent or guardian is mandatory.

The age of majority is:

19 years in NFLD., N.S., N.B., B.C., Yukon, Northwest Territories and Nunavut;

18 years in P.E.I., Que., Ont., Man., Sask. and Alta.

The applicant will provide initials in the " applicant's initials box".

The official who carried out the verification of the information will print their name, insert their initials and telephone number in the required space.

- Reliability Screening (for all types of screening identified within Section A): complete numbers 1 and 2 and 3 if applicable.
- Security Clearance (for all types of screening identified within Section A): complete numbers 1 to 4 and 5 where applicable.
- Other: number 5 is used only where prior Treasury Board of Canada Secretariat approval has been obtained.

4. Section D (Review)

To be completed by authorized Departmental/Agency/Organizational Official who is responsible for ensuring the completion of sections A to C as requested.

5. Section E (Approval)

Authorized Departmental/Agency/Organizational Security Official refers to the individuals as determined by departments, agencies, and organizations that may verify reliability information and/or approve/not approve reliability status and/or security clearances. Approved Reliability Status and Level I, II and III, as well as the signature of the authorized security official or manager are added for Government of Canada use only. Applicants are to be briefed, acknowledge, and be provided with a copy of the "Security Screening Certificate and Briefing Form (TBS/SCT 330-47)".

Note: Private sector organizations do not have the authority to approve any level of security screening.

Photographs: Departments/Agencies/Organizations are responsible for ensuring that three colour photographs of passport size are attached to the form for the investigating agency. Maximum dimensions are 50mm x 70mm and minimum are 43mm x 54mm. The face length from chin to crown of head must be between 25mm x 35mm. The photographs must be signed by the applicant and an authorized security official. The photographs must have been taken within the last six months. It is required for new or upgrade Level III security clearances for identification of the applicant during the security screening investigation by the investigating agency. The investigating agency may in specific incidents request a photograph for a Level I or II clearances when an investigation is required.

Surname	Date of birth
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RESIDENCE (Additional Information)

3	Apartment number	Street Number	Street Name		Civic Number (if applicable)	From Y M	To Y M
	City		Province or state	Postal code	Country	Telephone number	
4	Apartment number	Street Number	Street Name		Civic Number (if applicable)	From Y M	To Y M
	City		Province or state	Postal code	Country	Telephone number	
5	Apartment number	Street Number	Street Name		Civic Number (if applicable)	From Y M	To Y M
	City		Province or state	Postal code	Country	Telephone number	
6	Apartment number	Street Number	Street Name		Civic Number (if applicable)	From Y M	To Y M
	City		Province or state	Postal code	Country	Telephone number	
7	Apartment number	Street Number	Street Name		Civic Number (if applicable)	From Y M	To Y M
	City		Province or state	Postal code	Country	Telephone number	
8	Apartment number	Street Number	Street Name		Civic Number (if applicable)	From Y M	To Y M
	City		Province or state	Postal code	Country	Telephone number	
9	Apartment number	Street Number	Street Name		Civic Number (if applicable)	From Y M	To Y M
	City		Province or state	Postal code	Country	Telephone number	
10	Apartment number	Street Number	Street Name		Civic Number (if applicable)	From Y M	To Y M
	City		Province or state	Postal code	Country	Telephone number	
11	Apartment number	Street Number	Street Name		Civic Number (if applicable)	From Y M	To Y M
	City		Province or state	Postal code	Country	Telephone number	
12	Apartment number	Street Number	Street Name		Civic Number (if applicable)	From Y M	To Y M
	City		Province or state	Postal code	Country	Telephone number	
13	Apartment number	Street Number	Street Name		Civic Number (if applicable)	From Y M	To Y M
	City		Province or state	Postal code	Country	Telephone number	

**ADDITIONAL INSTRUCTIONS FOR COMPLETION OF
GOVERNMENT OF CANADA PERSONNEL SCREENING, CONSENT AND
AUTHORIZATION FORM (Form No. TBS 330-23E)**

NOTE:

All information requested on TBS 330-23E **MUST** be provided (do not leave any “blanks”, provide partial information, and do not use any abbreviations - ie. CA for Canada).

Failure to provide requested information will result in forms being returned to applicants.

Page 1 of Form:

Section A. Administrative Information.: Do not complete (completed by the RCMP).

Section B. Biographical Info.: To be completed by applicant:

1. Surname: Your Last Name that you currently use – ie. “Smith”
2. Full Given Names (no initials):
 - a. Your First Name and Middle Name (s) ie. “Cameron John”
**If you do not have a middle name, state “no middle name” on the form.
**Circle or underline your usual name used (whether you go by your first name or middle name).
3. Family Name at Birth: Your Last Name when you were born - ie. “Smith” (do not include “Same”)
4. All other names used: Abbreviation(s) of name(s) used (ie. “Dave”/David, “Charlie”/Charles) or nicknames.
5. Sex: Place “x” in box beside male or female.
6. Date of Birth: provide the Year, Month and Day you were born ie. 2012-01-01 (must provide all in this format)
7. Country of Birth: - the Country that you were born in ie. Canada (no abbreviations such as “CA”)
8. Date of entry into Canada if born outside Canada: - ie. 2012-01-01 (Year, Month, Day format)
9. Daytime telephone number: Your telephone number that the RCMP can reach you at in the daytime, including your area code.
10. E-mail address: Your e-mail address at work, or if you do not have one at work, your home e-mail address.
11. Residence(s): provide addresses where you have permanently or temporarily resided for the last **five years**, starting with the most current home address. Must be consecutive dates – no breaks in time periods.
**Do not fill in address in grey/shaded area beside “Home address”; fill in current address in the boxes under “Home address”.
 - a. Apartment Number - fill in if you have one; if you do not live in an apartment, leave blank.
 - b. Street Number – your house number ie. “421”
 - c. Street Name – ie. “Smith Street/George Avenue; or “4th Street” if no name (no abbreviations)
If you do not have a street address or you live on a farm/acreage, please provide your legal land descriptions (ie. SW-30-23-45-W4th) – **NO POST OFFICE BOX NUMBERS.

**ADDITIONAL INSTRUCTIONS FOR COMPLETION OF
GOVERNMENT OF CANADA PERSONNEL SCREENING, CONSENT AND
AUTHORIZATION FORM (Form No. TBS 330-23E)**

- d. From – the year and month that you moved to your current / previous residence(s);
**If you cannot recall the month, please state above the M – “unknown”
- e. To – “Present” or the year and month that you moved/vacated your previous residences (not current residence).
- f. City – the name of the city or town that you currently and previously resided in.
- g. Province or State – the name of the province or state that you currently and previously resided in (no abbreviations ie. “AB” or “SK”).
- h. Postal Code – your current and previous postal codes.
- i. Country – the name of the country that you currently and previously resided in (no abbreviations).
- j. Telephone Number – your current and previous home telephone numbers, including area code.
- Note: i. If you do not have enough space on the attached form to list all addresses for the last five years, please use the attached form titled “TBS 330-23E Residence Additional Info”.
- ii. You must include your “Surname” and Date of Birth at the top of the page as requested.
- **NO POST OFFICE BOX NUMBERS;**
- **DATES MUST BE CONSECUTIVE–NO BREAKS IN TIME PERIODS (as stated in 11.)**
12. Have you previously completed a Government of Canada security screening form?:
- a. “No” or
- b. “Yes” – if “Yes”, please provide details. If you cannot recall some or all of the details (ie. year of screening, state “cannot recall”).
13. Criminal Convictions:
- a. “No” OR
- b. “Yes” - if “Yes”, please provide details. If you cannot recall some or all of the details (ie. date of conviction, state “cannot recall”).

Page 2 of Form:

Top of Page 2: To be completed by applicant:

1. Surname (your last name) followed by a comma – ie. Smith,
2. Full given names – your first name and then your middle name
**If you do not have a middle name, state “no middle name” on the form.
**Circle or underline your usual name used (ie. whether you go by your first name or middle name).
3. Date of birth - provide – Year, Month, Day ie. 2012-01-01 (must provide all in this format / no blanks)

Section C. Consent and Verification: To be completed by applicant:

1. a.) Place a “Checkmark” in Boxes 1. to 5; then:
b.) Initial under “Applicant’s Initials” column – **numbers 1. to 5. (you must initial all boxes-1 to 5).**
2. Read the Privacy Act Statement and sign above “Signature” and “Date (Y/M/D)”

Section D. Review: do not complete (completed by RCMP)

Section E. Approval: do not complete (completed by RCMP)

NOTE: RCMP FACILITIES ACCESS LEVEL 2 CLEARANCE – Photographs ARE NOT required.
RCMP “RELIABILITY STATUS CLEARANCES” – Photographs ARE required.

Updated July 22, 2013

SAMPLE OF COMPLETED Document

1 of 3



Government of Canada / Gouvernement du Canada

PROTECTED (when completed)

PERSONNEL SCREENING, CONSENT AND AUTHORIZATION FORM

Reference number	Department/Organization number	File number
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NOTE: For Privacy Act Statement refer to Section C of this form and for completion instructions refer to attached instructions. Please typewrite or print in block letters.

A ADMINISTRATIVE INFORMATION (To be completed by the Authorized Departmental/Agency/Organizational Official)

<input type="checkbox"/> New	<input type="checkbox"/> Update	<input type="checkbox"/> Upgrade	<input type="checkbox"/> Transfer	<input type="checkbox"/> Supplemental	<input type="checkbox"/> Re-activation
The requested level of reliability/security check(s)					
<input type="checkbox"/> Reliability Status	<input type="checkbox"/> Level I (CONFIDENTIAL)	<input type="checkbox"/> Level II (SECRET)	<input type="checkbox"/> Level III (TOP SECRET)		
<input type="checkbox"/> Other _____					
PARTICULARS OF APPOINTMENT/ASSIGNMENT/CONTRACT					
<input type="checkbox"/> Indeterminate	<input type="checkbox"/> Term	<input type="checkbox"/> Contract	<input type="checkbox"/> Industry	<input type="checkbox"/> Other (specify secondment, assignment, etc.) _____	
Justification for security screening requirement					
Position/Competition/Contract number		Title		Group/Level (Rank if applicable)	
Employee ID number/PRU/Rank and Service number (if applicable)		If term or contract, indicate duration period		From	To
Name and address of department / organization / agency		Name of official		Telephone number	Facsimile number

B BIOGRAPHICAL INFORMATION (to be completed by the applicant)

Surname (Last name) SMITH		Full given names (no initials) underline or circle usual name used <u>John</u> (nomiddle name)		Family name at birth SMITH	
All other names used (i.e. Nickname) Johnny		Sex <input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	Date of birth 11/6/01/27	Country of birth CANADA	Date of entry into Canada if born outside Canada
RESIDENCE (provide addresses for the last five years, starting with the most current) Home address:		Daytime telephone number (306) 201-1433		E-mail address JSmith@telus.net	
1	Apartment number	Street number 1257	Street name Cooper Avenue	Civic number (if applicable)	From 2011001
	City PEACE RIVER	Province or state ALBERTA	Postal code T63 2X9	Country CANADA	To present Telephone number (780) 261-1493
2	Apartment number	Street number 12-13-57-W2	Street name	Civic number (if applicable)	From 2009032011001
	City GRAND CACHE	Province or state ALBERTA	Postal code TOG 7X3	Country CANADA	To Telephone number (780) 234-2102
Have you previously completed a Government of Canada security screening form?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		If yes, give name of employer, level and year of screening. CORRECTIONAL SERVICES CANADA 2011	
CRIMINAL CONVICTIONS IN AND OUTSIDE OF CANADA (see instructions)					
Have you ever been convicted of a criminal offence for which you have not been granted a pardon?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		If yes, give details. (charge(s), name of police force, city, province/state, country and date of conviction)	
Charge(s) DRIVING UNDER THE INFLUENCE OF ALCOHOL		Name of police force EDMONTON POLICE SERVICE		City EDMONTON	
Province/State ALBERTA		Country CANADA		Date of conviction 2011012011	

2 of 3

Surname **SMITH, John (no middle name)** Date of birth **1960-01-27** **PROTECTED A (When completed)**

RESIDENCE (Additional Information)

3	Apartment number	Street Number	Street Name		Civic Number (if applicable)	From Y M	To Y M
	City	Province or state	Postal code	Country	Telephone number		
4	Apartment number	Street Number	Street Name		Civic Number (if applicable)	From Y M	To Y M
	City	Province or state	Postal code	Country	Telephone number		
5	Apartment number	Street Number	Street Name		Civic Number (if applicable)	From Y M	To Y M
	City	Province or state	Postal code	Country	Telephone number		
6	Apartment number	Street Number	Street Name		Civic Number (if applicable)	From Y M	To Y M
	City	Province or state	Postal code	Country	Telephone number		
7	Apartment number	Street Number	Street Name		Civic Number (if applicable)	From Y M	To Y M
	City	Province or state	Postal code	Country	Telephone number		
8	Apartment number	Street Number	Street Name		Civic Number (if applicable)	From Y M	To Y M
	City	Province or state	Postal code	Country	Telephone number		
9	Apartment number	Street Number	Street Name		Civic Number (if applicable)	From Y M	To Y M
	City	Province or state	Postal code	Country	Telephone number		
10	Apartment number	Street Number	Street Name		Civic Number (if applicable)	From Y M	To Y M
	City	Province or state	Postal code	Country	Telephone number		
11	Apartment number	Street Number	Street Name		Civic Number (if applicable)	From Y M	To Y M
	City	Province or state	Postal code	Country	Telephone number		
12	Apartment number	Street Number	Street Name		Civic Number (if applicable)	From Y M	To Y M
	City	Province or state	Postal code	Country	Telephone number		
13	Apartment number	Street Number	Street Name		Civic Number (if applicable)	From Y M	To Y M
	City	Province or state	Postal code	Country	Telephone number		



PERSONNEL SCREENING, CONSENT AND AUTHORIZATION FORM

PROTECTED (when completed)

Surname and full given names: **SMITH, John (nomiddle name)** Date of birth: **11 19 60 | 01 12 7**

C CONSENT AND VERIFICATION (To be completed by the applicant and authorized Departmental/Agency/Organizational Official)

Checks Required (See Instructions)	Applicant's initials	Name of official (print)	Official's initials	Official's Telephone number
<input checked="" type="checkbox"/> Date of birth, address, education, professional qualifications, employment history, personal character references	JS			()
<input checked="" type="checkbox"/> Criminal record check	JS			()
<input checked="" type="checkbox"/> Credit check (financial assessment, including credit records check)	JS			()
<input checked="" type="checkbox"/> Loyalty (security assessment only)	JS			()
<input checked="" type="checkbox"/> Other (Law Enforcement Records Checks)	JS			()

The Privacy Act Statement
 The information on this form is required for the purpose of providing a security screening assessment. It is collected under the authority of subsection 7(1) of the *Financial Administration Act* and the *Government Security Policy (GSP)* of the Government of Canada, and is protected by the provisions of the *Privacy Act* in institutions that are covered by the *Privacy Act*. Its collection is mandatory. A refusal to provide information will lead to a review of whether the person is eligible to hold the position or perform the contract that is associated with this *Personnel Screening Request*. Depending on the level of security screening required, the information collected by the government institution may be disclosed to the *Royal Canadian Mounted Police (RCMP)* and the *Canadian Security Intelligence Service (CSIS)*, which conduct the requisite checks and/or investigation in accordance with the GSP and to entities outside the federal government (e.g. credit bureaus). It is used to support decisions on individuals working or applying to work through appointment, assignment or contract, transfers or promotions. It may also be used in the context of updating, or reviewing for cause, the reliability status, security clearance or site access, all of which may lead to a re-assessment of the applicable type of security screening. Information collected by the government institution, and information gathered from the requisite checks and/or investigation, may be used to support decisions, which may lead to discipline and/or termination of employment or contractual agreements. The personal information collected is described in Standard PIB PSU 017 (*Personnel Security Screening*) which is used by all government agencies, except the Department of National Defence PIB DND/PPE 034 (*Personnel Security Investigation File*), RCMP PIB CMP PPU 065 (*Security/Reliability Screening Records*), CSIS PIB SIS PPE 015 (*Employee Security*), and PWGSC PIB PWGSC PPU 015 (*Personnel Clearance and Reliability Records*) used for Canadian Industry Personnel. Personal information related to security assessments is also described in the CSIS PIB SIS PPU 006 (*Security Assessments/Advice*).

I, the undersigned, do consent to the disclosure of the preceding information including my photograph for its subsequent verification and/or use in an investigation for the purpose of providing a security screening assessment. By consenting to the above, I acknowledge that the verification and/or use in an investigation of the preceding information may also occur when the reliability status, security clearance or site access are updated or otherwise reviewed for cause under the *Government Security Policy*. My consent will remain valid until I no longer require a reliability status, a security clearance or a site access clearance, my employment or contract is terminated, or until I otherwise revoke my consent, in writing, to the authorized security official.

John Smith
 Signature

2011-12-01
 Date (Y/M/D)

D REVIEW (To be completed by the authorized Departmental/Agency/Organizational Official responsible for ensuring the completion of sections A, B and C)

Name and title: _____ Telephone number: _____
 Address: _____ Facsimile number: _____

E APPROVAL (To be completed by authorized Departmental/Agency/Organizational Security Official only)

I, the undersigned, as the authorized security official, do hereby approve the following level of screening.

Reliability Status
 Approved Reliability Status Not approved

 Name and title

 Signature _____
 Date (Y/M/D)

Security Clearance (if applicable)
 Level I Level II Level III Not recommended

 Name and title

 Signature _____
 Date (Y/M/D)

Comments: _____

PHOTO
 (for Level III T.S.,
 and/or upon request
 - see instructions)



INSTRUCTIONS FOR PERSONNEL SCREENING CONSENT AND AUTHORIZATION FORM TBS/SCT 330-23E (Rev. 2002/02)

General:

If space allotted in any portion is insufficient please use separate sheet using same format.

1. Section A (Administrative Information) Authorized Departmental/Agency/Organizational Official

The Official, based on instructions issued by the Departmental Security Officer, may be responsible for determining, based on five year background history, what constitutes sufficient verification of personal data, educational and professional qualifications, and employment history. References are to be limited to those provided on the application for employment or equivalent forms.

SUPPLEMENTAL INFORMATION REQUIREMENTS

Persons who presently hold a SECURITY CLEARANCE and subsequently marry, remarry or commence a common-law partnership, in addition to having to update sections of the Security Clearance Form (TBS/SCT 330-60), are required to submit an original Personnel Screening, Consent and Authorization Form, with the following parts completed:

- Part A - As set forth in each question
Part B - As set forth in each question, excluding CRIMINAL CONVICTIONS IN AND OUTSIDE OF CANADA.
Part C - Applicant's signature and date only are required

"Other". This should be used to identify if the security screening is for Site Access, NATO, SIGINT etc.

2. Section B (Biographical Information)

To be completed by the applicant. If more space is required use a separate sheet of paper. -> attached "Residence (Additional Information) Form."

Country of Birth - For "NEW" requests, if born abroad of Canadian parents, please provide a copy of your Certificate of Registration of Birth Abroad. If you arrived in Canada less than five years ago, provide a copy of the Immigration Visa, Record of Landing document or a copy of passport.

- List only criminal convictions for which a pardon has NOT been granted. Include on a separate attached sheet of paper, if more than one conviction. Applicant must include those convictions outside Canada. Hereafter sign the separate attached sheet of paper.
Offences under the National Defence Act are to be included as well as convictions by courts-martial are to be recorded.

3. Section C (Consent and Verification)

A copy of Section "C" may be released to institutions to provide acknowledgement of consent.

Criminal record checks (fingerprints may be required) and credit checks are to be arranged through the Departmental Security Office or the delegated Officer.

Consent: may be given only by an applicant who has reached the age of majority, otherwise, the signature of a parent or guardian is mandatory.

The age of majority is:
19 years in NFLD., N.S., N.B., B.C., Yukon, Northwest Territories and Nunavut;
18 years in P.E.I., Que., Ont., Man., Sask. and Alta.

The applicant will provide initials in the "applicant's initials box". - Box 1-5

The official who carried out the verification of the information will print their name, insert their initials and telephone number in the required space (Rcm Employee only)
- Reliability Screening (for all types of screening identified within Section A): complete numbers 1 and 2 and 3 if applicable.
- Security Clearance (for all types of screening identified within Section A): complete numbers 1 to 4 and 5 where applicable.
- Other: number 5 is used only where prior Treasury Board of Canada Secretariat approval has been obtained.

4. Section D (Review)

To be completed by authorized Departmental/Agency/Organizational Official who is responsible for ensuring the completion of sections A to C as requested.

5. Section E (Approval)

Authorized Departmental/Agency/Organizational Security Official refers to the individuals as determined by departments, agencies, and organizations that may verify reliability information and/or approve/not approve reliability status and/or security clearances. Approved Reliability Status and Level I, II and III, as well as the signature of the authorized security official or manager are added for Government of Canada use only. Applicants are to be briefed, acknowledge, and be provided with a copy of the "Security Screening Certificate and Briefing Form (TBS/SCT 330-47)". Note: Private sector organizations do not have the authority to approve any level of security screening.

Photographs: Departments/Agencies/Organizations are responsible for ensuring that three colour photographs of passport size are attached to the form for the investigating agency. Maximum dimensions are 50mm x 70mm and minimum are 43mm x 54mm. The face length from chin to crown of head must be between 25mm x 35mm. The photographs must be signed by the applicant and an authorized security official. The photographs must have been taken within the last six months. It is required for new or upgrade Level III security clearances for identification of the applicant during the security screening investigation by the investigating agency. The investigating agency may in specific incidents request a photograph for a Level I or II clearances when an investigation is required.

ENSURE ATTACHED "ADDITIONAL INSTRUCTIONS" ARE REVIEWED/FOLLOWED (more detailed information on how to complete TBS 330-23E)

Part 1 General

1.1 ADMINISTRATIVE

- .1 Project meetings will be scheduled throughout the progress of the work and at the call of Departmental Representative.
- .2 Provide physical space and make arrangements for meetings.
- .3 The Consultant shall chair meetings.
- .4 Representative of Contractor, Subcontractor and suppliers attending meetings will be qualified and authorized to act on behalf of party each represents.

1.2 PRECONSTRUCTION MEETING

- .1 Within 10 days after award of Contract, request a meeting of parties in contract to discuss and resolve administrative procedures and responsibilities.
- .2 Agenda to include:
 - .1 Appointment of official representative of participants in the Work.
 - .2 Schedule of Work: in accordance with Section 01 32 16 - Construction Progress Schedules - Bar (GANTT) Chart.
 - .3 Schedule of submission of shop drawings, samples, colour chips. Submit submittals in accordance with Section 01 33 00 - Submittal Procedures.
 - .4 Requirements for temporary facilities, offices, storage sheds, utilities, fences in accordance with Section 01 52 00 - Construction Facilities.
 - .5 Delivery schedule of specified equipment.
 - .6 Site security in accordance with Section 01 56 00 - Temporary Barriers and Enclosures.
 - .7 Proposed changes, change orders, procedures, approvals required, mark-up percentages permitted, time extensions, overtime, administrative requirements.
 - .8 Owner provided products and work.
 - .9 Record drawings in accordance with Section 01 33 00 - Submittal Procedures.
 - .10 Maintenance manuals in accordance with Section 01 78 00 - Closeout Submittals.
 - .11 Take-over procedures, acceptance, warranties in accordance with Section 01 78 00 - Closeout Submittals.
 - .12 Monthly progress claims, administrative procedures, photographs, hold backs.
 - .13 Appointment of inspection and testing agencies or firms.
 - .14 Insurances, transcript of policies.

1.3 PROGRESS MEETINGS

- .1 During course of Work, progress meetings will be held on a regular basis. Schedule to be determined.
- .2 Contractor, major Subcontractors involved in Work, Departmental Representative, Consultant and Owner's representatives are to be in attendance.

- .3 Minutes of meetings will be recorded by the Consultant.
- .4 Agenda to include the following:
 - .1 Review, approval of minutes of previous meeting.
 - .2 Review of Work progress since previous meeting.
 - .3 Field observations, problems, conflicts.
 - .4 Problems which impede construction schedule.
 - .5 Review of off-site fabrication delivery schedules.
 - .6 Corrective measures and procedures to regain projected schedule.
 - .7 Revision to construction schedule.
 - .8 Progress schedule, during succeeding work period.
 - .9 Review submittal schedules: expedite as required.
 - .10 Maintenance of quality standards.
 - .11 Review proposed changes for affect on construction schedule and on completion date.
 - .12 Other business.

END OF SECTION

Part 1 General

1.1 DEFINITIONS

- .1 Activity: element of Work performed during course of Project. Activity normally has expected duration, and expected cost and expected resource requirements. Activities can be subdivided into tasks.
- .2 Bar Chart (GANTT Chart): graphic display of schedule-related information. In typical bar chart, activities or other Project elements are listed down left side of chart, dates are shown across top, and activity durations are shown as date-placed horizontal bars. Generally Bar Chart should be derived from commercially available computerized project management system.
- .3 Baseline: original approved plan (for project, work package, or activity), plus or minus approved scope changes.
- .4 Construction Work Week: Monday to Friday, inclusive, will provide five day work week and define schedule calendar working days as part of Bar (GANTT) Chart submission.
- .5 Duration: number of work periods (not including holidays or other nonworking periods) required to complete activity or other project element. Usually expressed as workdays or workweeks.
- .6 Master Plan: summary-level schedule that identifies major activities and key milestones.
- .7 Milestone: significant event in project, usually completion of major deliverable.
- .8 Project Schedule: planned dates for performing activities and the planned dates for meeting milestones. Dynamic, detailed record of tasks or activities that must be accomplished to satisfy Project objectives. Monitoring and control process involves using Project Schedule in executing and controlling activities and is used as basis for decision making throughout project life cycle.
- .9 Project Planning, Monitoring and Control System: overall system operated by Departmental Representative to enable monitoring of project work in relation to established milestones.

1.2 REQUIREMENTS

- .1 Ensure Project Schedule and Detail Schedules are practical and remain within specified Contract duration.
- .2 Plan to complete Work in accordance with prescribed milestones and time frame.
- .3 Limit activity durations to maximum of approximately 10 working days, to allow for progress reporting.
- .4 Ensure that it is understood that Award of Contract or time of beginning, rate of progress, Interim Certificate and Final Certificate as defined times of completion are of essence of this contract.

1.3 SUBMITTALS

- .1 Provide submittals in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Submit to Departmental Representative within 7 working days of Award of Contract Bar (GANTT) Chart as Master Plan for planning, monitoring and reporting of project progress.

1.4 PROJECT MILESTONES

- .1 Project milestones form interim targets for Project Schedule.
 - .1 Project milestone will be identified through discussion with the Contractor and Departmental Representative at the outset of the project.

1.5 PROJECT SCHEDULE REPORTING

- .1 Update Project Schedule on bi-weekly basis reflecting activity changes and completions, as well as activities in progress.
- .2 Include as part of Project Schedule, narrative report identifying Work status to date, comparing current progress to baseline, presenting current forecasts, defining problem areas, anticipated delays and impact with possible mitigation.

1.6 PROJECT MEETINGS

- .1 Discuss Project Schedule at regular site meetings, identify activities that are behind schedule and provide measures to regain slippage. Activities considered behind schedule are those with projected start or completion dates later than current approved dates shown on baseline schedule.
- .2 Weather related delays with their remedial measures will be discussed and negotiated.

END OF SECTION

1.1 ADMINISTRATIVE

- .1 Submit to Departmental Representative submittals listed for review. Submit promptly and in orderly sequence to not cause delay in Work. Failure to submit in ample time is not considered sufficient reason for extension of Contract Time and no claim for extension by reason of such default will be allowed.
- .2 Do not proceed with Work affected by submittal until review is complete.
- .3 Present shop drawings, product data, samples and mock-ups in SI Metric units.
- .4 Where items or information is not produced in SI Metric units converted values are acceptable.
- .5 Review submittals prior to submission to Departmental Representative. This review represents that necessary requirements have been determined and verified, or will be, and that each submittal has been checked and co-ordinated with requirements of Work and Contract Documents. Submittals not stamped, signed, dated and identified as to specific project will be returned without being examined and considered rejected.
- .6 Notify Departmental Representative, in writing at time of submission, identifying deviations from requirements of Contract Documents stating reasons for deviations.
- .7 Verify field measurements and affected adjacent Work are co-ordinated.
- .8 Contractor's responsibility for errors and omissions in submission is not relieved by Departmental Representative's review of submittals.
- .9 Contractor's responsibility for deviations in submission from requirements of Contract Documents is not relieved by Departmental Representative review.
- .10 Keep one reviewed copy of each submission on site.

1.2 SHOP DRAWINGS AND PRODUCT DATA

- .1 The term "shop drawings" means drawings, diagrams, illustrations, schedules, performance charts, brochures and other data which are to be provided by Contractor to illustrate details of a portion of Work.
- .2 Where required by the Contract Documents, submit shop drawings bearing stamp and signature of qualified professional engineer registered or licensed in Province of Saskatchewan, Canada.
- .3 Indicate materials, methods of construction and attachment or anchorage, erection diagrams, connections, explanatory notes and other information necessary for completion of Work. Where articles or equipment attach or connect to other articles or equipment, indicate that such items have been co-ordinated, regardless of Section under which adjacent items will be supplied and installed. Indicate cross references to design drawings and specifications.
- .4 Allow 7 days for Departmental Representative's review of each submission.

- .5 Adjustments made on shop drawings by Departmental Representative are not intended to change Contract Price. If adjustments affect value of Work, state such in writing to Departmental Representative prior to proceeding with Work.
- .6 Make changes in shop drawings as Departmental Representative may require, consistent with Contract Documents. When resubmitting, notify Departmental Representative in writing of revisions other than those requested.
- .7 Accompany submissions with transmittal letter, containing:
 - .1 Date.
 - .2 Project title and number.
 - .3 Contractor's name and address.
 - .4 Identification and quantity of each shop drawing, product data and sample.
 - .5 Other pertinent data.
- .8 Submissions include:
 - .1 Date and revision dates.
 - .2 Project title and number.
 - .3 Name and address of:
 - .1 Subcontractor.
 - .2 Supplier.
 - .3 Manufacturer.
 - .4 Contractor's stamp, signed by Contractor's authorized representative certifying approval of submissions, verification of field measurements and compliance with Contract Documents.
 - .5 Details of appropriate portions of Work as applicable:
 - .1 Fabrication.
 - .2 Layout, showing dimensions, including identified field dimensions, and clearances.
 - .3 Setting or erection details.
 - .4 Capacities.
 - .5 Performance characteristics.
 - .6 Standards.
 - .7 Operating weight.
 - .8 Wiring diagrams.
 - .9 Single line and schematic diagrams.
 - .10 Relationship to adjacent work.
- .9 After Departmental Representative's review, distribute copies.
- .10 Submit 6 copies of shop drawings for each requirement requested in specification Sections and as Departmental Representative may reasonably request.
- .11 Submit 6 copies of product data sheets or brochures for requirements requested in specification Sections and as requested by Departmental Representative where shop drawings will not be prepared due to standardized manufacture of product.

-
- .12 Submit 6 copies of test reports for requirements requested in specification Sections and as requested by Departmental Representative.
 - .1 Report signed by authorized official of testing laboratory that material, product or system identical to material, product or system to be provided has been tested in accord with specified requirements.
 - .2 Testing must have been within 3 years of date of contract award for project.
 - .13 Submit 6 copies of certificates for requirements requested in specification Sections and as requested by Departmental Representative.
 - .1 Statements printed on manufacturer's letterhead and signed by responsible officials of manufacturer of product, system or material attesting that product, system or material meets specification requirements.
 - .2 Certificates must be dated after award of project contract complete with project name.
 - .14 Submit 6 copies of manufacturer's instructions for requirements requested in specification Sections and as requested by Departmental Representative.
 - .1 Pre-printed material describing installation of product, system or material, including special notices and Material Safety Data Sheets concerning impedances, hazards and safety precautions.
 - .15 Submit 6 copies of manufacturer's Field Reports for requirements requested in specification Sections and as requested by Departmental Representative.
 - .1 Documentation of the testing and verification actions taken by manufacturer's representative to confirm compliance with manufacturer's standards or instructions.
 - .16 Submit 6 copies of Operation and Maintenance Data for requirements requested in specification Sections and as requested by Departmental Representative.
 - .17 Shop Drawings may be submitted electronically in PDF format not exceeding 11"x17" actual size. Drawings that exceed this size are to be submitted in hard copy.
 - .18 Delete information not applicable to project.
 - .19 Supplement standard information to provide details applicable to project.
 - .20 If upon review by Departmental Representative, no errors or omissions are discovered or if only minor corrections are made, copies will be returned and fabrication and installation of Work may proceed. If shop drawings are rejected, noted copy will be returned and resubmission of corrected shop drawings, through same procedure indicated above, must be performed before fabrication and installation of Work may proceed.
 - .21 The review of shop drawings by Departmental Representative is for sole purpose of ascertaining conformance with general concept.
 - .1 This review shall not mean that Departmental Representative approves detail design inherent in shop drawings, responsibility for which shall remain with Contractor submitting same, and such review shall not relieve Contractor of responsibility for errors or omissions in shop drawings or of responsibility for meeting requirements of construction and Contract Documents.

- .2 Without restricting generality of foregoing, Contractor is responsible for dimensions to be confirmed and correlated at job site, for information that pertains solely to fabrication processes or to techniques of construction and installation and for co-ordination of Work of sub-trades.

1.3 SAMPLES

- .1 Submit for review samples in duplicate as requested in respective specification Sections. Label samples with origin and intended use.
- .2 Deliver samples prepaid to Departmental Representative's business address.
- .3 Notify Departmental Representative in writing, at time of submission of deviations in samples from requirements of Contract Documents.
- .4 Where colour, pattern or texture is criterion, submit full range of samples.
- .5 Adjustments made on samples by Departmental Representative are not intended to change Contract Price. If adjustments affect value of Work, state such in writing to Departmental Representative prior to proceeding with Work.
- .6 Make changes in samples which Departmental Representative may require, consistent with Contract Documents.
- .7 Reviewed and accepted samples will become standard of workmanship and material against which installed Work will be verified.

1.4 MOCK-UPS

- .1 Erect mock-ups in accordance with 01 45 00 - Quality Control.

END OF SECTION

Part 1 General

1.1 REFERENCES

- .1 Canada Labour Code, Part 2, Canada Occupational Safety and Health Regulations
- .2 Health Canada/Workplace Hazardous Materials Information System (WHMIS)
 - .1 Material Safety Data Sheets (MSDS).
- .3 Province of Saskatchewan
 - .1 Occupational Health and Safety Act, 1993, S.S. 2005.

1.2 SUBMITTALS

- .1 Make submittals in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Submit site-specific Health and Safety Plan: Within 7 days after date of Notice to Proceed and prior to commencement of Work. Health and Safety Plan must include:
 - .1 Results of site specific safety hazard assessment.
 - .2 Results of safety and health risk or hazard analysis for site tasks and operation found in work plan.
- .3 Submit 1 copy of Contractor's authorized representative's work site health and safety inspection reports to Departmental Representative, weekly.
- .4 Submit copies of reports or directions issued by Federal, Provincial and Territorial health and safety inspectors.
- .5 Submit copies of incident and accident reports.
- .6 Submit WHMIS MSDS - Material Safety Data Sheets in accordance with Section 01 33 00 - Submittal Requirements and Section 02 81 01 - Hazardous Materials.
- .7 Departmental Representative will review Contractor's site-specific Health and Safety Plan and provide comments to Contractor within 7 days after receipt of plan. Revise plan as appropriate and resubmit plan to Departmental Representative within 5 days after receipt of comments from Departmental Representative.
- .8 Departmental Representative's review of Contractor's final Health and Safety plan should not be construed as approval and does not reduce the Contractor's overall responsibility for construction Health and Safety.
- .9 Medical Surveillance: where prescribed by legislation, regulation or safety program, submit certification of medical surveillance for site personnel prior to commencement of Work, and submit additional certifications for any new site personnel to Departmental Representative.
- .10 On-site Contingency and Emergency Response Plan: address standard operating procedures to be implemented during emergency situations.

1.3 FILING OF NOTICE

- .1 File Notice of Project with Provincial authorities prior to beginning of Work.

1.4 SAFETY ASSESSMENT

- .1 Perform site specific safety hazard assessment related to project.

1.5 MEETINGS

- .1 Schedule and administer Health and Safety Meeting with Departmental Representative prior to commencement of Work.

1.6 REGULATORY REQUIREMENTS

- .1 Do Work in accordance with Section 01 41 00 - Regulatory Requirements.

1.7 GENERAL REQUIREMENTS

- .1 Develop written site-specific Health and Safety Plan based on hazard assessment prior to beginning site Work and continue to implement, maintain, and enforce plan until final demobilization from site. Health and Safety Plan must address project specifications.
- .2 Departmental Representative may respond in writing, where deficiencies or concerns are noted and may request re-submission with correction of deficiencies or concerns.

1.8 RESPONSIBILITY

- .1 Be responsible for health and safety of persons on site, safety of property on site and for protection of persons adjacent to site and environment to extent that they may be affected by conduct of Work.
- .2 Comply with and enforce compliance by employees with safety requirements of Contract Documents, applicable federal, provincial, territorial and local statutes, regulations, and ordinances, and with site-specific Health and Safety Plan.

1.9 COMPLIANCE REQUIREMENTS

- .1 Comply with Occupational Health and Safety Regulations, 1996.
- .2 Comply with Canada Labour Code, Canada Occupational Safety and Health Regulations.

1.10 HAZARDOUS MATERIALS

- .1 There are areas within the building where asbestos is present. An assessment report detailing tested locations was undertaken in 2005 and will be made available to the successful contractor.
- .2 Known conditions exist at the following locations that may be affected by the window replacement work:
 - .1 Within the enclosed bulkheads above windows, where pipe insulation on elbows contains asbestos material.

- .2 Behind the millwork units on the 3rd and 4th floors, where cement asbestos board is installed on the back panel of the millwork.
- .3 In some isolated locations in the building, drywall mud has been found to contain asbestos.
- .4 Where the contractor is in doubt or suspicious material is encountered, stop work and advise the Departmental Representative immediately.

1.11 UNFORSEEN HAZARDS

- .1 When unforeseen or peculiar safety-related factor, hazard, or condition occur during performance of Work, follow procedures in place for Employee's Right to Refuse Work in accordance with Acts and Regulations of Province having jurisdiction and advise Departmental Representative verbally and in writing.

1.12 HEALTH AND SAFETY CO-ORDINATOR

- .1 Employ and assign to Work, competent and authorized representative as Health and Safety Co-ordinator. Health and Safety Co-ordinator must:
 - .1 Have site-related working experience specific to activities associated with overhead work.
 - .2 Have working knowledge of occupational safety and health regulations.
 - .3 Be responsible for completing Contractor's Health and Safety Training Sessions and ensuring that personnel not successfully completing required training are not permitted to enter site to perform Work.
 - .4 Be responsible for implementing, enforcing daily and monitoring site-specific Contractor's Health and Safety Plan.
 - .5 Be on site during execution of Work .

1.13 POSTING OF DOCUMENTS

- .1 Ensure applicable items, articles, notices and orders are posted in conspicuous location on site in accordance with Acts and Regulations of Province having jurisdiction, and in consultation with Departmental Representative.

1.14 CORRECTION OF NON-COMPLIANCE

- .1 Immediately address health and safety non-compliance issues identified by authority having jurisdiction or by Departmental Representative.
- .2 Provide Departmental Representative with written report of action taken to correct non-compliance of health and safety issues identified.
- .3 Departmental Representative may stop Work if non-compliance of health and safety regulations is not corrected.

1.15 POWDER ACTUATED DEVICES

- .1 Use powder actuated devices only after receipt of written permission from Departmental Representative.

1.16 WORK STOPPAGE

- .1 Give precedence to safety and health of public and site personnel and protection of environment over cost and schedule considerations for Work.

END OF SECTION

Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond. Sample	Asbestos type	Access.	Action
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Building Number :0072 Survey date: 1/31/2005 Building name or address "B" Block

Level : 1 - Floor - General Asbestos present : No
Room : 1-31 - Stairwell

Ceiling	Plaster - Top coat		T-N-A	V24		
Floor	Concrete/Terrazo		C-N-A			
Wall	Plaster - Top coat		T-N-A	V24		

Comments: No destructive testing

Level : 1 - Floor - General Asbestos present : No
Room : 1-32 - Stairwell

Ceiling	Plaster - Top coat		T-N-A	V24		
Floor	Concrete/Terrazo		C-N-A			
Wall	Plaster - Top coat		T-N-A	V24		

Comments: No destructive testing

Level : 1 - Floor - General Asbestos present : No
Room : 1-33 - Stairwell

Ceiling	Plaster - Top coat		T-N-A	V24		
Floor	Concrete/Terrazo		C-N-A			
Wall	Plaster - Top coat		T-N-A	V24		

Comments: No destructive testing

Level : 1 - Floor - General Asbestos present : No
Room : 1-34 - Stairwell

Ceiling	Plaster - Top coat		T-N-A	V24		
Floor	Concrete/Terrazo		C-N-A			
Wall	Plaster - Top coat		T-N-A	V24		

Comments: No destructive testing

Level : 1 - Floor - General Asbestos present : No
Room : 1-35 - Stairwell

Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond.	Sample	Asbestos type	Access.	Action
Ceiling	Plaster - Top coat		T-N-A	V24			
Floor	Concrete/Terrazo		C-N-A				
Wall	Plaster - Top coat		T-N-A	V24			

Comments: No destructive testing

Level : 1 - Floor - Main

Asbestos present : Yes

Room : 1-1 - Hallway

Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V25		
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V26		
Ceiling	Adhesive			T-N-A	V23		
Ceiling	Drywall - Filler Compound	8.3	Sq. M	Good	V18	Chrysotile 0.75%	C 7
Ceiling	Plaster - Top coat			T-N-A	V24		
Floor	Concrete/Terrazo			C-N-A			
Wall	Plaster - Top coat			T-N-A	V24		

Comments: No destructive testing

Level : 1 - Floor - Main

Asbestos present : No

Room : 1-10 - Bedroom 1

Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V25		
Ceiling	Adhesive			T-N-A	V23		
Ceiling	Plaster - Top coat			T-N-A	V24		
Floor	Sheet flooring			T-N-A	V08		
Floor	Sheet flooring			T-N-A	V09		
Wall	Plaster - Top coat			T-N-A	V24		

Comments: No destructive testing

Level : 1 - Floor - Main

Asbestos present : No

Room : 1-11 - Common Areas

Ceiling	Plaster - Top coat			T-N-A	V24		
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Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond.	Sample	Asbestos type	Access.	Action
Floor	Sheet flooring		T-N-A	V11			
Wall	Plaster - Top coat		T-N-A	V24			

Comments: No destructive testing

Level : 1 - Floor - Main

Asbestos present : No

Room : 1-12 - Hallway

Ceiling	Acoustical Tile - 24" by 48"		T-N-A	A25			
Ceiling	Adhesive		T-N-A	V23			
Ceiling	Plaster - Top coat		T-N-A	V24			
Floor	Concrete/Terrazo		C-N-A				
Wall	Plaster - Top coat		T-N-A	V24			

Comments: No destructive testing

Level : 1 - Floor - Main

Asbestos present : Yes

Room : 1-13 - Storage Room

Ceiling	Plaster - Top coat		T-N-A	V24			
Floor	Sheet flooring		T-N-A	V11			
Wall	Gypsum board Filler Compound	3.7 Sq. M	Fair	A18	Chrysotile 0.75%	A	6
Wall	Plaster - Top coat		T-N-A	A24			

Comments: No destructive testing

Level : 1 - Floor - Main

Asbestos present : No

Room : 1-14 - Bedroom 2

Ceiling	Plaster - Top coat		T-N-A	V24			
Floor	Sheet flooring		T-N-A	V11			
Floor	Tile - Quarry/Ceramic		C-N-A				
Wall	Plaster - Top coat		T-N-A	V24			

Comments: No destructive testing

Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond. Sample	Asbestos type	Access.	Action
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Level : 1 - Floor - Main

Asbestos present : No

Room : 1-15 - Bedroom 1

Ceiling	Acoustical Tile - 24" by 48"		T-N-A	A26		
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V25		
Ceiling	Adhesive		T-N-A	V23		
Ceiling	Plaster - Top coat		T-N-A	V24		
Floor	Sheet flooring		T-N-A	V12		
Wall	Plaster - Top coat		T-N-A	V24		

Comments: No destructive testing

Level : 1 - Floor - Main

Asbestos present : No

Room : 1-16 - Common Areas

Ceiling	Plaster - Top coat		T-N-A	V24		
Floor	Sheet flooring		T-N-A	V11		
Wall	Plaster - Top coat		T-N-A	V24		

Comments: No destructive testing

Level : 1 - Floor - Main

Asbestos present : No

Room : 1-17 - Common Areas

Ceiling	Plaster - Top coat		T-N-A	V24		
Floor	Sheet flooring		T-N-A	V11		
Wall	Plaster - Top coat		T-N-A	V24		

Comments: No destructive testing

Level : 1 - Floor - Main

Asbestos present : No

Room : 1-18 - Hallway

Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V25		
Ceiling	Adhesive		T-N-A	V23		
Ceiling	Plaster - Top coat		T-N-A	V24		

Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond.	Sample	Asbestos type	Access.	Action
Floor	Concrete/Terrazo		C-N-A				
Wall	Plaster - Top coat		T-N-A	V24			
Comments: No destructive testing							
Level : 1 - Floor - Main			Asbestos present : No				
Room : 1-19 - Janitor Room							
Ceiling	Plaster - Top coat		T-N-A	V24			
Floor	Concrete/Terrazo		C-N-A				
Wall	Plaster - Top coat		T-N-A	V24			
Comments: No destructive testing							
Level : 1 - Floor - Main			Asbestos present : No				
Room : 1-2 - General Office							
Ceiling	Plaster - Top coat		T-N-A	V24			
Floor	Sheet flooring		T-N-A	V08			
Wall	Plaster - Top coat		T-N-A	V24			
Comments: No destructive testing							
Level : 1 - Floor - Main			Asbestos present : No				
Room : 1-20 - Janitor Room							
Ceiling	Plaster - Top coat		T-N-A	V24			
Floor	Concrete/Terrazo		C-N-A				
Wall	Plaster - Top coat		T-N-A	V24			
Comments: No destructive testing							
Level : 1 - Floor - Main			Asbestos present : REMOVED				
Room : 1-21 - Bathroom							
Ceiling	Plaster - Top coat		T-N-A	V24			
Floor	Concrete/Terrazo		C-N-A				
Pipe	Fittings Insulated		P-A				
Pipe	Fittings Insulated	5.0	Units	REMOVEDA19			

Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond. Sample	Asbestos type	Access.	Action
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Level : 1 - Floor - Main

Asbestos present : No

Room : 1-25 - Common Areas

Ceiling	Plaster - Top coat		T-N-A	V24		
Floor	Sheet flooring		T-N-A	V12		
Wall	Plaster - Top coat		T-N-A	V24		

Comments: No destructive testing

Level : 1 - Floor - Main

Asbestos present : No

Room : 1-26 - Hallway

Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V22		
Ceiling	Adhesive		T-N-A	V23		
Ceiling	Plaster - Top coat		T-N-A	V24		
Floor	Concrete/Terrazo		C-N-A			
Wall	Plaster - Top coat		T-N-A	V24		

Comments: No destructive testing

Level : 1 - Floor - Main

Asbestos present : No

Room : 1-27 - Janitor Room

Ceiling	Plaster - Top coat		T-N-A	V24		
Floor	Concrete/Terrazo		C-N-A			
Wall	Plaster - Top coat		T-N-A	V24		

Comments: No destructive testing

Level : 1 - Floor - Main

Asbestos present : No

Room : 1-28 - Janitor Room

Ceiling	Plaster - Top coat		T-N-A	V24		
Floor	Concrete/Terrazo		C-N-A			
Wall	Plaster - Top coat		T-N-A	V24		

Comments: No destructive testing

Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond.	Sample	Asbestos type	Access.	Action
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Level : 1 - Floor - Main

Asbestos present : REMOVED

Room : 1-29 - Bathroom

Ceiling	Plaster - Top coat		T-N-A	V24			
Floor	Concrete/Terrazo		C-N-A				
Pipe	Fittings Insulated		REMOVED				
Pipe	Fittings Insulated		REMOVED	V19			
Wall	Plaster - Top coat		T-N-A	V24			

Comments: No destructive testing

The wall pipe chases could not be access to confirm the presence of sample 72-121-19.Potential pipe fittings in same location as A13 in 3-29

Level : 1 - Floor - Main

Asbestos present : No

Room : 1-3 - Bathroom

Ceiling	Plaster - Top coat		T-N-A	V24			
Floor	Tile - Quarry/Ceramic		C-N-A				
Wall	Plaster - Top coat		T-N-A	V24			

Comments: No destructive testing

Level : 1 - Floor - Main

Asbestos present : No

Room : 1-30 - Hallway

Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V25			
Ceiling	Adhesive		T-N-A	V23			
Ceiling	Plaster - Top coat		T-N-A	V24			
Floor	Concrete/Terrazo		C-N-A				
Wall	Plaster - Top coat		T-N-A	V24			

Comments: No destructive testing

Level : 1 - Floor - Main

Asbestos present : No

Room : 1-36 - Common Areas

Ceiling	Plaster - Top coat		T-N-A	V24			
Floor	Sheet flooring		T-N-A	V11			

Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond.	Sample	Asbestos type	Access.	Action
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Wall	Plaster - Top coat		T-N-A	V24			
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Comments: No destructive testing

Level : 1 - Floor - Main

Asbestos present : No

Room : 1-4 - Common Areas

Ceiling	Plaster - Top coat		T-N-A	V24			
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Floor	Sheet flooring		T-N-A	V08			
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Wall	Plaster - Top coat		T-N-A	V24			
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Comments: No destructive testing

Level : 1 - Floor - Main

Asbestos present : No

Room : 1-5 - Janitor Room

Ceiling	Plaster - Top coat		T-N-A	V24			
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Floor	Concrete/Terrazo		C-N-A				
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Wall	Plaster - Top coat		T-N-A	V24			
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Comments: No destructive testing

Level : 1 - Floor - Main

Asbestos present : No

Room : 1-6 - Janitor Room

Ceiling	Plaster - Top coat		T-N-A	V24			
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Floor	Concrete/Terrazo		C-N-A				
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Wall	Plaster - Top coat		T-N-A	V24			
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Comments: No destructive testing

Level : 1 - Floor - Main

Asbestos present : No

Room : 1-7 - Common Areas

Ceiling	Plaster - Top coat		T-N-A	V24			
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Floor	Sheet flooring		T-N-A	V08			
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Wall	Plaster - Top coat		T-N-A	V24			
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Comments: No destructive testing

Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond. Sample	Asbestos type	Access.	Action
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Level : 1 - Floor - Main **Asbestos present : No**
Room : 1-8 - Common Areas

Ceiling	Plaster - Top coat		T-N-A	V24		
Floor	Sheet flooring		T-N-A	V08		
Wall	Plaster - Top coat		T-N-A	V24		

Comments: No destructive testing

Level : 1 - Floor - Main **Asbestos present : REMOVED**
Room : 1-9 - Bathroom

Ceiling	Plaster - Top coat		T-N-A	V24		
Floor	Concrete/Terrazo		C-N-A			
Pipe	Fittings Insulated		REMOVED	V19		
Wall	Plaster - Top coat		T-N-A	V24		

Comments: No destructive testing

The wall pipe chases could not be access to confirm the presence of sample 72-121-19.

Level : 2 - Floor - General **Asbestos present : No**
Room : 2-31 - Stairwell

Ceiling	Plaster - Top coat		T-N-A	V20		
Floor	Concrete/Terrazo		C-N-A			
Wall	Plaster - Top coat		T-N-A	V20		

Comments: No destructive testing

Level : 2 - Floor - General **Asbestos present : No**
Room : 2-32 - Stairwell

Ceiling	Plaster - Top coat		T-N-A	V20		
Floor	Concrete/Terrazo		C-N-A			
Wall	Plaster - Top coat		T-N-A	V20		

Comments: No destructive testing

Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond. Sample	Asbestos type	Access.	Action
Level : 2 - Floor - General		Asbestos present : No				
Room : 2-33 - Stairwell						
Ceiling	Plaster - Top coat		T-N-A	V20		
Floor	Concrete/Terrazo		C-N-A			
Wall	Plaster - Top coat		T-N-A	V20		
Comments: No destructive testing						
Level : 2 - Floor - General		Asbestos present : No				
Room : 2-34 - Stairwell						
Ceiling	Plaster - Top coat		T-N-A	V20		
Floor	Concrete/Terrazo		C-N-A			
Wall	Plaster - Top coat		T-N-A	V20		
Comments: No destructive testing						
Level : 2 - Floor - General		Asbestos present : No				
Room : 2-35 - Stairwell						
Ceiling	Plaster - Top coat		T-N-A	V20		
Floor	Concrete/Terrazo		C-N-A			
Wall	Plaster - Top coat		T-N-A	V20		
Comments: No destructive testing						
Level : 2 - Second Floor		Asbestos present : No				
Room : 2-1 - Hallway						
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	A21		
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V22		
Ceiling	Adhesive		T-N-A	V23		
Ceiling	Plaster - Top coat		T-N-A	V20		
Floor	Concrete/Terrazo		C-N-A			
Wall	Plaster - Top coat		T-N-A	V20		

Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond. Sample	Asbestos type	Access.	Action
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Comments: No destructive testing

Level : 2 - Second Floor

Asbestos present : No

Room : 2-10 - Bedroom 1

Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V22		
Ceiling	Adhesive		T-N-A	V23		
Ceiling	Plaster - Top coat		T-N-A	V20		
Floor	Sheet flooring		T-N-A	V09		
Wall	Plaster - Top coat		T-N-A	V20		

Comments: No destructive testing

Level : 2 - Second Floor

Asbestos present : No

Room : 2-11 - Common Areas

Ceiling	Plaster - Top coat		T-N-A	V20		
Floor	Sheet flooring		T-N-A	V11		
Wall	Plaster - Top coat		T-N-A	V20		

Comments: No destructive testing

Level : 2 - Second Floor

Asbestos present : No

Room : 2-12 - Hallway

Ceiling	Acoustical Tile - 24" by 48"		T-N-A	A22		
Ceiling	Adhesive		T-N-A	A23		
Ceiling	Plaster - Top coat		T-N-A	V20		
Floor	Concrete/Terrazo		C-N-A			
Wall	Plaster - Top coat		T-N-A	V20		

Comments: No destructive testing

Level : 2 - Second Floor

Asbestos present : Yes

Room : 2-13 - Storage Room

Ceiling	Plaster - Top coat		T-N-A	V20		
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Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond.	Sample	Asbestos type	Access.	Action
Floor	Sheet flooring		T-N-A	V11			
Wall	Gypsum board Filler Compound	10.2 Sq. M	Poor	A17	Chrysotile 1.50%	A	3
Wall	Plaster - Top coat		T-N-A	A20			

Comments: No destructive testing

Level : 2 - Second Floor

Asbestos present : No

Room : 2-14 - Bedroom 2

Ceiling	Plaster - Top coat		T-N-A	V20			
Floor	Sheet flooring		T-N-A	V11			
Floor	Tile - Quarry/Ceramic		C-N-A				
Wall	Plaster - Top coat		T-N-A	V20			

Comments: No destructive testing

Level : 2 - Second Floor

Asbestos present : No

Room : 2-15 - Bedroom 1

Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V22			
Ceiling	Adhesive		T-N-A	V23			
Ceiling	Plaster - Top coat		T-N-A	V20			
Floor	Sheet flooring		T-N-A	V12			
Wall	Plaster - Top coat		T-N-A	V20			

Comments: No destructive testing

Level : 2 - Second Floor

Asbestos present : No

Room : 2-16 - Common Areas

Ceiling	Plaster - Top coat		T-N-A	V20			
Floor	Sheet flooring		T-N-A	V11			
Wall	Plaster - Top coat		T-N-A	V20			

Comments: No destructive testing

Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond. Sample	Asbestos type	Access.	Action
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Level : 2 - Second Floor

Asbestos present : No

Room : 2-17 - Common Areas

Ceiling	Plaster - Top coat		T-N-A	V20		
Floor	Sheet flooring		T-N-A	V11		
Wall	Plaster - Top coat		T-N-A	V20		

Comments: No destructive testing

Level : 2 - Second Floor

Asbestos present : No

Room : 2-18 - Hallway

Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V22		
Ceiling	Adhesive		T-N-A	V23		
Ceiling	Plaster - Top coat		T-N-A	V20		
Floor	Concrete/Terrazo		C-N-A			
Wall	Plaster - Top coat		T-N-A	V20		

Comments: No destructive testing

Level : 2 - Second Floor

Asbestos present : No

Room : 2-19 - Janitor Room

Ceiling	Plaster - Top coat		T-N-A	V20		
Floor	Concrete/Terrazo		C-N-A			
Wall	Plaster - Top coat		T-N-A	V20		

Comments: No destructive testing

Level : 2 - Second Floor

Asbestos present : No

Room : 2-2 - General Office

Ceiling	Plaster - Top coat		T-N-A	V20		
Floor	Sheet flooring		T-N-A	V08		
Wall	Plaster - Top coat		T-N-A	V20		

Comments: No destructive testing

Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond.	Sample	Asbestos type	Access.	Action
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Level : 2 - Second Floor

Asbestos present : No

Room : 2-20 - Janitor Room

Ceiling	Plaster - Top coat		T-N-A	V20			
Floor	Concrete/Terrazo		C-N-A				
Wall	Plaster - Top coat		T-N-A	V20			

Comments: No destructive testing

Level : 2 - Second Floor

Asbestos present : REMOVED

Room : 2-21 - Bathroom

Ceiling	Insulation		T-N-A	A16			
Ceiling	Plaster - Top coat		T-N-A	V20			
Floor	Concrete/Terrazo		C-N-A				
Pipe	Fittings Insulated		REMOVED				
Wall	Plaster - Top coat		T-N-A	V20			

Comments: No destructive testing

Sample 72-221-16 result was <0.5% which corresponds to the TNA entry (Sask reg's) in haztracker.Potential pipe fittings in same location as A13 in 3-29

Level : 2 - Second Floor

Asbestos present : No

Room : 2-22 - Hallway

Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V22			
Ceiling	Adhesive		T-N-A	V23			
Ceiling	Plaster - Top coat		T-N-A	V20			
Floor	Concrete/Terrazo		C-N-A				
Wall	Plaster - Top coat		T-N-A	V20			

Comments: No destructive testing

Level : 2 - Second Floor

Asbestos present : No

Room : 2-23 - Bedroom 1

Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V22			
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Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond.	Sample	Asbestos type	Access.	Action
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V21			
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	A14			
Ceiling	Adhesive		T-N-A	V23			
Ceiling	Plaster - Top coat		T-N-A	V20			
Floor	Sheet flooring		T-N-A	V12			
Wall	Plaster - Top coat		T-N-A	V20			

Comments: No destructive testing

Level : 2 - Second Floor

Asbestos present : No

Room : 2-24 - Common Areas

Ceiling	Plaster - Top coat		T-N-A	V20			
Floor	Sheet flooring		T-N-A	V12			
Wall	Plaster - Top coat		T-N-A	V20			

Comments: No destructive testing

Level : 2 - Second Floor

Asbestos present : No

Room : 2-25 - Common Areas

Ceiling	Plaster - Top coat		T-N-A	V20			
Floor	Sheet flooring		T-N-A	V12			
Wall	Plaster - Top coat		T-N-A	V20			

Comments: No destructive testing

Level : 2 - Second Floor

Asbestos present : No

Room : 2-26 - Hallway

Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V22			
Ceiling	Adhesive		T-N-A	V23			
Ceiling	Plaster - Top coat		T-N-A	V20			
Floor	Concrete/Terrazo		C-N-A				
Wall	Plaster - Top coat		T-N-A	V20			

Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond.	Sample	Asbestos type	Access.	Action
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Comments: No destructive testing

Level : 2 - Second Floor

Asbestos present : No

Room : 2-27 - Janitor Room

Ceiling	Plaster - Top coat		T-N-A	V20	
Floor	Concrete/Terrazo		C-N-A		
Wall	Plaster - Top coat		T-N-A	V20	

Comments: No destructive testing

Level : 2 - Second Floor

Asbestos present : No

Room : 2-28 - Janitor Room

Ceiling	Plaster - Top coat		T-N-A	V20	
Floor	Concrete/Terrazo		C-N-A		
Wall	Plaster - Top coat		T-N-A	V20	

Comments: No destructive testing

Level : 2 - Second Floor

Asbestos present : REMOVED

Room : 2-29 - Bathroom

Ceiling	Plaster - Top coat		T-N-A	V20	
Floor	Concrete/Terrazo		C-N-A		
Pipe	Fittings Insulated		P-A		
Pipe	Fittings Insulated	5.0 Units	REMOVED	A15	
Wall	Plaster - Top coat		T-N-A	V20	

Comments: No destructive testing

Potential pipe fittings in same location as A13 in 3-29

Level : 2 - Second Floor

Asbestos present : No

Room : 2-3 - Bathroom

Ceiling	Plaster - Top coat		T-N-A	V20	
Floor	Tile - Quarry/Ceramic		C-N-A		
Wall	Plaster - Top coat		T-N-A	V20	

Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond. Sample	Asbestos type	Access.	Action
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Comments: No destructive testing

Level : 2 - Second Floor

Asbestos present : No

Room : 2-30 - Hallway

Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V22		
Ceiling	Adhesive		T-N-A	V23		
Ceiling	Plaster - Top coat		T-N-A	V20		
Floor	Concrete/Terrazo		C-N-A			
Wall	Plaster - Top coat		T-N-A	V20		

Comments: No destructive testing

Level : 2 - Second Floor

Asbestos present : No

Room : 2-36 - Common Areas

Ceiling	Plaster - Top coat		T-N-A	V20		
Floor	Sheet flooring		T-N-A	V11		
Wall	Plaster - Top coat		T-N-A	V20		

Comments: No destructive testing

Level : 2 - Second Floor

Asbestos present : No

Room : 2-4 - Common Areas

Ceiling	Plaster - Top coat		T-N-A	V20		
Floor	Sheet flooring		T-N-A	V08		
Wall	Plaster - Top coat		T-N-A	V20		

Comments: No destructive testing

Level : 2 - Second Floor

Asbestos present : No

Room : 2-5 - Janitor Room

Ceiling	Plaster - Top coat		T-N-A	V20		
Floor	Concrete/Terrazo		C-N-A			
Wall	Plaster - Top coat		T-N-A	V20		

Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond. Sample	Asbestos type	Access.	Action
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Comments: No destructive testing

Level : 2 - Second Floor

Asbestos present : No

Room : 2-6 - Janitor Room

Ceiling	Plaster - Top coat		T-N-A	V20		
Floor	Concrete/Terrazo		C-N-A			
Wall	Plaster - Top coat		T-N-A	V20		

Comments: No destructive testing

Level : 2 - Second Floor

Asbestos present : No

Room : 2-7 - Common Areas

Ceiling	Plaster - Top coat		T-N-A	V20		
Floor	Sheet flooring		T-N-A	V08		
Wall	Plaster - Top coat		T-N-A	V20		

Comments: No destructive testing

Level : 2 - Second Floor

Asbestos present : No

Room : 2-8 - Common Areas

Ceiling	Plaster - Top coat		T-N-A	V20		
Floor	Sheet flooring		T-N-A	V08		
Wall	Plaster - Top coat		T-N-A	V20		

Comments: No destructive testing

Level : 2 - Second Floor

Asbestos present : Potential

Room : 2-9 - Bathroom

Ceiling	Plaster - Top coat		T-N-A	V20		
Floor	Concrete/Terrazo		C-N-A			
Pipe	Fittings Insulated		REMOVED	V15		
Wall	Plaster - Top coat		T-N-A	V20		

Comments: No destructive testing

The wall pipe chases could not be access to confirm the presence of sample 72-229-15.

Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond.	Sample	Asbestos type	Access.	Action
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Level : 3 - Floor - General

Asbestos present : No

Room : 3-1 - Hallway

Ceiling	Acoustical Tile - 24" by 48"		T-N-A	A06			
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	A05			
Ceiling	Adhesive		T-N-A	A04			
Ceiling	Drywall - Filler Compound		T-N-A	V07			
Floor	Concrete/Terrazo		C-N-A				
Wall	Gypsum board Filler Compound		T-N-A	A07			

Comments: No destructive testing

Level : 3 - Floor - General

Asbestos present : No

Room : 3-10 - Bedroom 1

Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V05			
Ceiling	Adhesive		T-N-A	V04			
Ceiling	Plaster - Top coat		T-N-A	A10			
Floor	Sheet flooring		T-N-A	A09			
Wall	Plaster - Top coat		T-N-A	V10			

Comments: No destructive testing

Level : 3 - Floor - General

Asbestos present : No

Room : 3-11 - Common Areas

Ceiling	Plaster - Top coat		T-N-A	V10			
Floor	Carpet		C-N-A				
Floor	Sheet flooring		T-N-A	V11			
Wall	Plaster - Top coat		T-N-A	V10			

Comments: No destructive testing

Level : 3 - Floor - General

Asbestos present : No

Room : 3-12 - Hallway

Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond.	Sample	Asbestos type	Access.	Action
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V05			
Ceiling	Adhesive		T-N-A	V04			
Ceiling	Plaster - Top coat		T-N-A	V10			
Floor	Concrete/Terrazo		C-N-A				
Wall	Plaster - Top coat		T-N-A	V10			

Comments: No destructive testing

Level : 3 - Floor - General

Asbestos present : Potential

Room : 3-13 - Furnace / Utility Room

Ceiling	Plaster - Top coat		T-N-A	V10			
Floor	Concrete		C-N-A				
Floor	Sheet flooring		T-N-A	A11			
Floor	Sheet flooring		T-N-A	V08			
Wall	Block		P-A				
Wall	Plaster - Top coat		T-N-A	V10			

Comments: No destructive testing

NEEDS TO BE TESTED (J. DESROCHE)

Level : 3 - Floor - General

Asbestos present : No

Room : 3-14 - Bedroom 2

Ceiling	Plaster - Top coat		T-N-A	V10			
Floor	Carpet		C-N-A				
Floor	Sheet flooring		T-N-A	V11			
Floor	Tile - Quarry/Ceramic		C-N-A				
Wall	Plaster - Top coat		T-N-A	V10			

Comments: No destructive testing

Level : 3 - Floor - General

Asbestos present : No

Room : 3-15 - Bedroom 1

Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V05			
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Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond.	Sample	Asbestos type	Access.	Action
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V06			
Ceiling	Adhesive		T-N-A	V04			
Ceiling	Plaster - Top coat		T-N-A	V10			
Floor	Sheet flooring		T-N-A	A12			
Wall	Plaster - Top coat		T-N-A	V10			

Comments: No destructive testing

Level : 3 - Floor - General

Asbestos present : No

Room : 3-16 - Common Areas

Ceiling	Plaster - Top coat		T-N-A	V10			
Floor	Carpet		C-N-A				
Floor	Sheet flooring		T-N-A	V11			
Wall	Plaster - Top coat		T-N-A	V10			

Comments: No destructive testing

Level : 3 - Floor - General

Asbestos present : No

Room : 3-17 - Common Areas

Ceiling	Plaster - Top coat		T-N-A	V10			
Floor	Carpet		C-N-A				
Floor	Sheet flooring		T-N-A	V11			
Wall	Plaster - Top coat		T-N-A	V10			

Comments: No destructive testing

Level : 3 - Floor - General

Asbestos present : No

Room : 3-18 - Hallway

Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V05			
Ceiling	Adhesive		T-N-A	V04			
Ceiling	Plaster - Top coat		T-N-A	V10			
Floor	Concrete/Terrazo		C-N-A				
Wall	Plaster - Top coat		T-N-A	V10			

Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond.	Sample	Asbestos type	Access.	Action
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Comments: No destructive testing

Level : 3 - Floor - General

Asbestos present : No

Room : 3-19 - Janitor Room

Ceiling	Plaster - Top coat		T-N-A	V10
Floor	Concrete/Terrazo		C-N-A	
Wall	Plaster - Top coat		T-N-A	V10

Comments: No destructive testing

Level : 3 - Floor - General

Asbestos present : No

Room : 3-2 - General Office

Ceiling	Drywall - Filler Compound		T-N-A	V07
Floor	Sheet flooring		T-N-A	V08
Wall	Gypsum board Filler Compound		T-N-A	V07

Comments: No destructive testing

Level : 3 - Floor - General

Asbestos present : No

Room : 3-20 - Janitor Room

Ceiling	Plaster - Top coat		T-N-A	V10
Floor	Concrete/Terrazo		C-N-A	
Wall	Plaster - Top coat		T-N-A	V10

Comments: No destructive testing

Level : 3 - Floor - General

Asbestos present : REMOVED

Room : 3-21 - Bathroom

Ceiling	Plaster - Top coat		T-N-A	V10
Floor	Concrete/Terrazo		C-N-A	
Pipe	Fittings Insulated		REMOVED	V13
Wall	Plaster - Top coat		T-N-A	V10

Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond. Sample	Asbestos type	Access.	Action
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Comments: No destructive testing

The wall pipe chases could not be access to confirm the presence of sample 72-329-13.

Level : 3 - Floor - General

Asbestos present : No

Room : 3-22 - Hallway

Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V05		
Ceiling	Adhesive		T-N-A	V04		
Ceiling	Plaster - Top coat		T-N-A	V10		
Floor	Concrete/Terrazo		C-N-A			
Wall	Plaster - Top coat		T-N-A	V10		

Comments: No destructive testing

Level : 3 - Floor - General

Asbestos present : No

Room : 3-23 - Bedroom 1

Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V05		
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V06		
Ceiling	Adhesive		T-N-A	V04		
Ceiling	Plaster - Top coat		T-N-A	V10		
Floor	Sheet flooring		T-N-A	V12		
Wall	Plaster - Top coat		T-N-A	V10		

Comments: No destructive testing

Level : 3 - Floor - General

Asbestos present : No

Room : 3-24 - Common Areas

Ceiling	Plaster - Top coat		T-N-A	V10		
Floor	Sheet flooring		T-N-A	V12		
Wall	Plaster - Top coat		T-N-A	V10		

Comments: No destructive testing

Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond. Sample	Asbestos type	Access.	Action
Level : 3 - Floor - General			Asbestos present : No			
Room : 3-25 - Common Areas						
Ceiling	Plaster - Top coat		T-N-A	V10		
Floor	Sheet flooring		T-N-A	V12		
Wall	Plaster - Top coat		T-N-A	V10		
Comments: No destructive testing						
Level : 3 - Floor - General			Asbestos present : No			
Room : 3-26 - Hallway						
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V05		
Ceiling	Adhesive		T-N-A	V04		
Ceiling	Plaster - Top coat		T-N-A	V10		
Floor	Concrete/Terrazo		C-N-A			
Wall	Plaster - Top coat		T-N-A	V10		
Comments: No destructive testing						
Level : 3 - Floor - General			Asbestos present : No			
Room : 3-27 - Janitor Room						
Ceiling	Plaster - Top coat		T-N-A	V10		
Floor	Concrete/Terrazo		C-N-A			
Wall	Plaster - Top coat		T-N-A	V10		
Comments: No destructive testing						
Level : 3 - Floor - General			Asbestos present : No			
Room : 3-28 - Janitor Room						
Ceiling	Plaster - Top coat		T-N-A	V10		
Floor	Concrete/Terrazo		C-N-A			
Wall	Plaster - Top coat		T-N-A	V10		
Comments: No destructive testing						

Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond.	Sample	Asbestos type	Access.	Action
Level : 3 - Floor - General		Asbestos present : REMOVED					
Room : 3-29 - Bathroom							
Ceiling	Plaster - Top coat			T-N-A	V10		
Floor	Tile - Quarry/Ceramic			C-N-A			
Pipe	Fittings Insulated	3.0	Units	REMOVEDA13			
Wall	Plaster - Top coat			T-N-A	V10		
Comments: No destructive testing							
Level : 3 - Floor - General		Asbestos present : No					
Room : 3-3 - Bathroom							
Ceiling	Drywall - Filler Compound			T-N-A	V07		
Floor	Tile - Quarry/Ceramic			C-N-A			
Wall	Gypsum board Filler Compound			T-N-A	V07		
Comments: No destructive testing							
Level : 3 - Floor - General		Asbestos present : No					
Room : 3-30 - Hallway							
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V05		
Ceiling	Adhesive			T-N-A	V04		
Ceiling	Plaster - Top coat			T-N-A	V10		
Floor	Concrete/Terrazo			C-N-A			
Wall	Plaster - Top coat			T-N-A	V10		
Comments: No destructive testing							
Level : 3 - Floor - General		Asbestos present : No					
Room : 3-31 - Stairwell							
Ceiling	Plaster - Top coat			T-N-A	V10		
Floor	Concrete/Terrazo			C-N-A			
Wall	Plaster - Top coat			T-N-A	V10		

Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond. Sample	Asbestos type	Access.	Action
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Comments: No destructive testing

Level : 3 - Floor - General

Asbestos present : No

Room : 3-32 - Stairwell

Ceiling	Plaster - Top coat		T-N-A	V10		
Floor	Concrete/Terrazo		C-N-A			
Wall	Plaster - Top coat		T-N-A	V10		

Comments: No destructive testing

Level : 3 - Floor - General

Asbestos present : No

Room : 3-33 - Stairwell

Ceiling	Plaster - Top coat		T-N-A	V10		
Floor	Concrete/Terrazo		C-N-A			
Wall	Plaster - Top coat		T-N-A	V10		

Comments: No destructive testing

Level : 3 - Floor - General

Asbestos present : No

Room : 3-34 - Stairwell

Ceiling	Plaster - Top coat		T-N-A	V10		
Floor	Concrete/Terrazo		C-N-A			
Wall	Plaster - Top coat		T-N-A	V10		

Comments: No destructive testing

Level : 3 - Floor - General

Asbestos present : No

Room : 3-35 - Stairwell

Ceiling	Plaster - Top coat		T-N-A	V10		
Floor	Concrete/Terrazo		C-N-A			
Wall	Plaster - Top coat		T-N-A	V10		

Comments: No destructive testing

Level : 3 - Floor - General

Asbestos present : No

Room : 3-4 - Common Areas

Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond.	Sample	Asbestos type	Access.	Action
Ceiling	Drywall - Filler Compound		T-N-A	V07			
Floor	Sheet flooring		T-N-A	A08			
Wall	Gypsum board Filler Compound		T-N-A	V07			

Comments: No destructive testing

Level : 3 - Floor - General

Asbestos present : No

Room : 3-5 - Janitor Room

Ceiling	Drywall - Filler Compound		T-N-A	V07			
Floor	Concrete/Terrazo		C-N-A				
Wall	Gypsum board Filler Compound		T-N-A	V07			

Comments: No destructive testing

Level : 3 - Floor - General

Asbestos present : No

Room : 3-6 - Janitor Room

Ceiling	Drywall - Filler Compound		T-N-A	V07			
Floor	Concrete/Terrazo		C-N-A				
Wall	Gypsum board Filler Compound		T-N-A	V07			

Comments: No destructive testing

Level : 3 - Floor - General

Asbestos present : No

Room : 3-7 - Common Areas

Ceiling	Drywall - Filler Compound		T-N-A	V07			
Floor	Sheet flooring		T-N-A	V08			
Wall	Gypsum board Filler Compound		T-N-A	V07			

Comments: No destructive testing

Level : 3 - Floor - General

Asbestos present : No

Room : 3-8 - Common Areas

Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond.	Sample	Asbestos type	Access.	Action
Ceiling	Drywall - Filler Compound		T-N-A	V07			
Floor	Sheet flooring		T-N-A	V08			
Wall	Gypsum board Filler Compound		T-N-A	V07			

Comments: No destructive testing

Level : 3 - Floor - General

Asbestos present : REMOVED

Room : 3-9 - Bathroom

Ceiling	Drywall - Filler Compound		T-N-A	V07			
Floor	Concrete/Terrazo		C-N-A				
Pipe	Fittings Insulated		REMOVED	V13			
Wall	Gypsum board Filler Compound		T-N-A	V07			

Comments: No destructive testing

The wall pipe chases could not be access to confirm the presence of sample 72-329-13.

Level : 3 - Floor - General

Asbestos present : No

Room : M - Elevator Room

Ceiling	Acoustical Tile - 12" by 12"		T-N-A	AM01			
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	AM02			
Ceiling	Drywall - Filler Compound		T-N-A	VM03			
Floor	Concrete		C-N-A				
Wall	Gypsum board Filler Compound		T-N-A	AM03			

Comments: No destructive testing

Level : B - Basement

Asbestos present : No

Room : B-1 - Hallway

Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V31			
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	A34			

Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond.	Sample	Asbestos type	Access.	Action
Ceiling	Adhesive		T-N-A	V23			
Ceiling	Plaster - Top coat		T-N-A	V29			
Floor	Concrete/Terrazo		C-N-A				
Wall	Plaster - Top coat		T-N-A	V29			

Comments: No destructive testing

Level : B - Basement

Asbestos present : Yes

Room : B-10 - Common Areas

Ceiling	Acoustical Tile - 24" by 48"		T-N-A	A27			
Ceiling	Adhesive		T-N-A	V23			
Ceiling	Plaster - Top coat		T-N-A	V29			
Floor	Tile - Vinyl/Asbestos	100.0 Sq. M	Good	V28	Chrysotile 5.00%	A	7
Wall	Block		P-A				
Wall	Plaster - Top coat		T-N-A	A29			

Comments: No destructive testing

MONITOR CONDITION

Level : B - Basement

Asbestos present : Yes

Room : B-11 - Common Areas

Ceiling	Plaster - Top coat		T-N-A	V29			
Floor	Tile - Vinyl/Asbestos	13.4 Sq. M	Good	A28	Chrysotile 5.00%	A	7
Wall	Block		P-A				
Wall	Gypsum board Filler Compound		T-N-A	V33			

Comments: No destructive testing

MONITOR CONDITION

Level : B - Basement

Asbestos present : Yes

Room : B-12 - Hallway

Ceiling	Acoustical Tile - 24" by 48"		T-N-A	A31			
Ceiling	Adhesive		T-N-A	V23			

Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity		Cond.	Sample	Asbestos type	Access.	Action
Ceiling	Plaster - Top coat			T-N-A	V29			
Floor	Concrete/Terrazo			C-N-A				
Floor	Tile - Vinyl/Asbestos	14.1	Sq. M	Good	V28	Chrysotile 5.00%	A	7
Pipe	Fittings Insulated	2.0	Units	Good	A30	Chrysotile 15.00%	C	7
Wall	Plaster - Top coat			T-N-A	V29			

Comments: No destructive testing

Level : B - Basement

Asbestos present : Potential

Room : B-13 - General Office

Ceiling	Plaster - Top coat			T-N-A	V29			
Floor	Concrete			C-N-A				
Wall	Block			P-A				
Wall	Gypsum board Filler Compound			T-N-A	V33			

Comments: No destructive testing

Level : B - Basement

Asbestos present : Potential

Room : B-14 - Storage Room

Ceiling	Plaster - Top coat			T-N-A	V29			
Floor	Concrete			C-N-A				
Wall	Block			P-A				
Wall	Gypsum board Filler Compound			T-N-A	V33			

Comments: No destructive testing

Level : B - Basement

Asbestos present : Yes

Room : B-15 - Bedroom 1

Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V31			
Ceiling	Adhesive			T-N-A	V23			
Ceiling	Plaster - Top coat			T-N-A	V29			
Floor	Tile - Vinyl/Asbestos	312.0	Sq. M	Good	V28	Chrysotile 5.00%	A	7

Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond.	Sample	Asbestos type	Access.	Action
Wall	Gypsum board Filler Compound		T-N-A	V33			
<p>Comments: No destructive testing MONITOR CONDITION</p> <hr/> <p>Level : B - Basement Asbestos present : Yes Room : B-16 - Common Areas</p>							
Ceiling	Drywall - Filler Compound		T-N-A	V33			
Floor	Tile - Vinyl/Asbestos	14.5	Sq. M	Good	V28	Chrysotile 5.00%	A 7
Wall	Gypsum board Filler Compound		T-N-A	V33			
<p>Comments: No destructive testing MONITOR CONDITION</p> <hr/> <p>Level : B - Basement Asbestos present : Yes Room : B-17 - Common Areas</p>							
Ceiling	Drywall - Filler Compound		T-N-A	V33			
Floor	Tile - Vinyl/Asbestos	15.7	Sq. M	Good	V28	Chrysotile 5.00%	A 7
Wall	Block		P-A				
Wall	Gypsum board Filler Compound		T-N-A	V33			
<p>Comments: No destructive testing MONITOR CONDITION</p> <hr/> <p>Level : B - Basement Asbestos present : Yes Room : B-18 - Hallway</p>							
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V31			
Ceiling	Adhesive		T-N-A	V23			
Ceiling	Plaster - Top coat		T-N-A	V29			
Floor	Tile - Vinyl/Asbestos	13.4	Sq. M	Good	V28	Chrysotile 5.00%	A 7
Wall	Gypsum board Filler Compound		T-N-A	V33			

Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond.	Sample	Asbestos type	Access.	Action
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Comments: No destructive testing

MONITOR CONDITION

Level : B - Basement

Asbestos present : Yes

Room : B-19 - Janitor Room

Ceiling	Drywall - Filler Compound			T-N-A	V33		
Floor	Tile - Vinyl/Asbestos	3.2	Sq. M	Good	V28	Chrysotile 5.00%	A 7
Wall	Gypsum board Filler Compound			T-N-A	V33		

Comments: No destructive testing

MONITOR CONDITION

Level : B - Basement

Asbestos present : No

Room : B-2 - Hallway

Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V31		
Floor	Concrete/Terrazo			C-N-A			
Wall	Plaster - Top coat			T-N-A	V29		

Comments: No destructive testing

Level : B - Basement

Asbestos present : Yes

Room : B-20 - Janitor Room

Ceiling	Drywall - Filler Compound			T-N-A	V33		
Floor	Tile - Vinyl/Asbestos	3.2	Sq. M	Good	V28	Chrysotile 5.00%	A 7
Wall	Gypsum board Filler Compound			T-N-A	V33		

Comments: No destructive testing

MONITOR CONDITION

Level : B - Basement

Asbestos present : Yes

Room : B-21 - Bathroom

Ceiling	Drywall - Filler Compound			T-N-A	V33		
Floor	Tile - Vinyl/Asbestos		Sq. M	REMOVED	V28	Chrysotile 5.00%	A 7

Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond.	Sample	Asbestos type	Access.	Action
Pipe	Fittings Insulated		P-A				
Wall	Gypsum board Filler Compound		T-N-A	V33			
<p>Comments: No destructive testing Potential pipe fittings in same location as A13 in 3-29 MONITOR CONDITION</p>							
<p>Level : B - Basement Room : B-22 - Common Areas</p>			<p>Asbestos present : No</p>				
Ceiling	Plaster - Top coat		T-N-A	V29			
Floor	Concrete/Terrazo		C-N-A				
Wall	Plaster - Top coat		T-N-A	V29			
<p>Comments: No destructive testing Barber Shop</p>							
<p>Level : B - Basement Room : B-23 - Janitor Room</p>			<p>Asbestos present : No</p>				
Ceiling	Plaster - Top coat		T-N-A	V29			
Floor	Concrete/Terrazo		C-N-A				
Wall	Plaster - Top coat		T-N-A	V29			
<p>Comments: No destructive testing</p>							
<p>Level : B - Basement Room : B-24 - Bedroom 1</p>			<p>Asbestos present : Yes</p>				
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V31			
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	A35			
Ceiling	Adhesive		T-N-A	V23			
Ceiling	Plaster - Top coat		T-N-A	V29			
Floor	Tile - Vinyl/Asbestos	312.0 Sq. M	REMOVED	V28	Chrysotile 5.00%	A	7
Wall	Gypsum board Filler Compound		T-N-A	V33			

Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond.	Sample	Asbestos type	Access.	Action
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Comments: No destructive testing

MONITOR CONDITION

Level : B - Basement

Asbestos present : Yes

Room : B-25 - Common Areas

Ceiling	Drywall - Filler Compound			T-N-A	V33			
Floor	Tile - Vinyl/Asbestos	14.5	Sq. M	Good	V28	Chrysotile 5.00%	A	7
Wall	Gypsum board Filler Compound			T-N-A	V33			

Comments: No destructive testing

MONITOR CONDITION

Level : B - Basement

Asbestos present : Yes

Room : B-26 - Common Areas

Ceiling	Drywall - Filler Compound			T-N-A	V33			
Floor	Tile - Vinyl/Asbestos	15.7	Sq. M	Good	V28	Chrysotile 5.00%	A	7
Wall	Block			P-A				
Wall	Gypsum board Filler Compound			T-N-A	V33			

Comments: No destructive testing

MONITOR CONDITION

Level : B - Basement

Asbestos present : Yes

Room : B-27 - Janitor Room

Ceiling	Drywall - Filler Compound			T-N-A	V33			
Floor	Tile - Vinyl/Asbestos	3.2	Sq. M	Good	V28	Chrysotile 5.00%	A	7
Wall	Gypsum board Filler Compound			T-N-A	V33			

Comments: No destructive testing

MONITOR CONDITION

Level : B - Basement

Asbestos present : Yes

Room : B-28 - Janitor Room

Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond.	Sample	Asbestos type	Access.	Action
Ceiling	Drywall - Filler Compound		T-N-A	V33			
Floor	Tile - Vinyl/Asbestos	3.2 Sq. M	Good	V28	Chrysotile 5.00%	A	7
Wall	Gypsum board Filler Compound		T-N-A	V33			

Comments: No destructive testing
MONITOR CONDITION

Level : B - Basement

Asbestos present : Yes

Room : B-29 - Hallway

Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V31			
Ceiling	Adhesive		T-N-A	V23			
Ceiling	Plaster - Top coat		T-N-A	V29			
Floor	Tile - Vinyl/Asbestos	13.4 Sq. M	Good	V28	Chrysotile 5.00%	A	7
Wall	Gypsum board Filler Compound		T-N-A	V33			

Comments: No destructive testing
MONITOR CONDITION

Level : B - Basement

Asbestos present : Yes

Room : B-3 - Common Areas

Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V27			
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V35			
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V31			
Ceiling	Adhesive		T-N-A	V23			
Ceiling	Plaster - Top coat		T-N-A	V29			
Floor	Tile - Vinyl/Asbestos	89.7 Sq. M	Good	V28	Chrysotile 5.00%	A	7
Wall	Plaster - Top coat		T-N-A	V29			
Wall	Plaster - Top coat		T-N-A	V33			

Comments: No destructive testing
Polish Room MONITOR CONDITION

Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond.	Sample	Asbestos type	Access.	Action
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Level : B - Basement

Asbestos present : Potential

Room : B-30 - Bathroom

Ceiling	Acoustical Tile - 24" by 48"		T-N-A	A36		
Ceiling	Plaster - Top coat		T-N-A	V29		
Ceiling	Plaster - Top coat		T-N-A	V29		
Floor	Concrete/Terrazo		C-N-A			
Pipe	Fittings Insulated		REMOVED			
Wall	Plaster - Top coat		T-N-A	V29		

Comments: No destructive testing
Potential pipe fittings in same location as A13 in 3-29

Level : B - Basement

Asbestos present : No

Room : B-36 - Storage Room

Ceiling	Cast in Place Concrete		C-N-A			
Floor	Concrete		C-N-A			
Floor	Concrete		C-N-A			

Comments: No destructive testing

Level : B - Basement

Asbestos present : No

Room : B-4 - Common Areas

Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V29		
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V35		
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V27		
Ceiling	Adhesive		T-N-A	V23		
Floor	Concrete/Terrazo		C-N-A			
Wall	Plaster - Top coat		T-N-A	V29		

Comments: No destructive testing
Laundry and vending machine room.

Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond. Sample	Asbestos type	Access.	Action
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Level : B - Basement

Asbestos present : No

Room : B-5 - Common Areas

Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V35		
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V27		
Ceiling	Plaster - Top coat		T-N-A	V29		
Floor	Concrete/Terrazo		C-N-A			
Wall	Plaster - Top coat		T-N-A	V29		

Comments: No destructive testing

Laundry Room

Level : B - Basement

Asbestos present : No

Room : B-6 - Common Areas

Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V27		
Floor	Concrete/Terrazo		C-N-A			
Wall	Plaster - Top coat		T-N-A	V29		

Comments: No destructive testing

Barber Shop

Level : B - Basement

Asbestos present : No

Room : B-7 - Bathroom

Ceiling	Plaster - Top coat		T-N-A	V29		
Floor	Sheet flooring		T-N-A	A32		
Floor	Tile - Quarry/Ceramic		C-N-A			
Wall	Gypsum board Filler Compound		T-N-A	A33		
Wall	Plaster - Top coat		T-N-A	V29		

Comments: No destructive testing

Level : B - Basement

Asbestos present : No

Room : B-8 - Janitor Room

Ceiling	Plaster - Top coat		T-N-A	V29		
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Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond. Sample	Asbestos type	Access.	Action
Floor	Concrete/Terrazo		C-N-A			
Wall	Plaster - Top coat		T-N-A	V29		

Comments: No destructive testing

Level : B - Basement

Asbestos present : No

Room : B-9 - Common Areas

Ceiling	Plaster - Top coat		T-N-A	V29		
Floor	Concrete		C-N-A			
Wall	Concrete		C-N-A			

Comments: No destructive testing

Level : B - Floor - General

Asbestos present : No

Room : B-31 - Stairwell

Ceiling	Plaster - Top coat		T-N-A	V29		
Floor	Concrete/Terrazo		C-N-A			
Wall	Plaster - Top coat		T-N-A	V29		

Comments: No destructive testing

Level : B - Floor - General

Asbestos present : No

Room : B-32 - Stairwell

Ceiling	Plaster - Top coat		T-N-A	V29		
Floor	Concrete/Terrazo		C-N-A			
Wall	Plaster - Top coat		T-N-A	V29		

Comments: No destructive testing

Level : B - Floor - General

Asbestos present : No

Room : B-33 - Stairwell

Ceiling	Plaster - Top coat		T-N-A	V29		
Floor	Concrete/Terrazo		C-N-A			
Wall	Plaster - Top coat		T-N-A	V29		

Comments: No destructive testing

Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond.	Sample	Asbestos type	Access.	Action
Level : B - Floor - General Room : B-34 - Stairwell		Asbestos present : No					
Ceiling	Plaster - Top coat		T-N-A	V29			
Floor	Concrete/Terrazo		C-N-A				
Pipe	Fittings Insulated		T-N-A	A37			
Wall	Plaster - Top coat		T-N-A	V29			
Comments: No destructive testing							
Level : B - Floor - General Room : B-35 - Stairwell		Asbestos present : No					
Ceiling	Plaster - Top coat		T-N-A	V29			
Floor	Concrete/Terrazo		C-N-A				
Pipe	Fittings Insulated		T-N-A	V37			
Wall	Plaster - Top coat		T-N-A	V29			
Comments: No destructive testing							
Level : CS - Crawl Space Room : ECS - Pipe Chase		Asbestos present : REMOVED					
Ceiling	Cast in Place Concrete		C-N-A				
Floor	Earth		C-N-A				
Pipe	Fittings Insulated	220.0	Units	REMOVEDVNCS09			
Pipe	Straight Run Insulated	25.9	Metre(s)	REMOVEDVNCS10			
Wall	Concrete		C-N-A				
Comments: Extensive Asbestos Removals performed 2006-2008							
Level : CS - Crawl Space Room : NCS - Pipe Chase		Asbestos present : Yes					
Ceiling	Cast in Place Concrete		C-N-A				
Floor	Earth		C-N-A				
Pipe	Fittings Insulated	220.0	Units	Fair	ANCS09 Chrysotile 35.00%	C	7

Assessment Report

(sorted by asset ID)

B BLOCK

Registered user:RCMP

Design	Description	Quantity	Cond.	Sample	Asbestos type	Access.	Action
Pipe	Straight Run Insulated	30.5	Metre(s)	Good	ANCS10 Chrysotile 35.00%	C	7
Wall	Concrete			C-N-A			

Comments: No destructive testing

The pipe elbows condition range from poor to good.

Level : CS - Crawl Space

Asbestos present : Yes

Room : SCS - Pipe Chase

Ceiling	Cast in Place Concrete			C-N-A			
Floor	Earth			C-N-A			
Pipe	Fittings Insulated	220.0	Units	Fair	VNCS09 Chrysotile 35.00%	C	7
Pipe	Straight Run Insulated	25.9	Metre(s)	Good	VNCS10 Chrysotile 35.00%	C	7
Wall	Concrete			C-N-A			

Comments: No destructive testing

Level : SB - Basement - Sub

Asbestos present : REMOVED

Room : WCH - Pipe Chase

Ceiling	Cast in Place Concrete			P-A			
Floor	Concrete			C-N-A			
Pipe	Fittings Insulated	2.0	Units	REMOVEDAWCH02			
Pipe	Fittings Insulated			REMOVEDAWCH03			
Pipe	Fittings Insulated	60.0	Units	REMOVEDAWCH04			
Pipe	Fittings Insulated	2.0	Units	REMOVEDAWCH06			
Pipe	Fittings Insulated	4.0	Units	REMOVEDAWCH07			
Pipe	Fittings Insulated	5.0	Units	REMOVEDAWCH08			
Pipe	Straight Run Insulated	4.6	Metre(s)	REMOVEDAWCH01			
Pipe	Straight Run Insulated			REMOVEDAWCH05			
Wall	Block			P-A			

Comments: Extensive Asbestos Removals performed 2006-2008

Weatherst Control of Heating

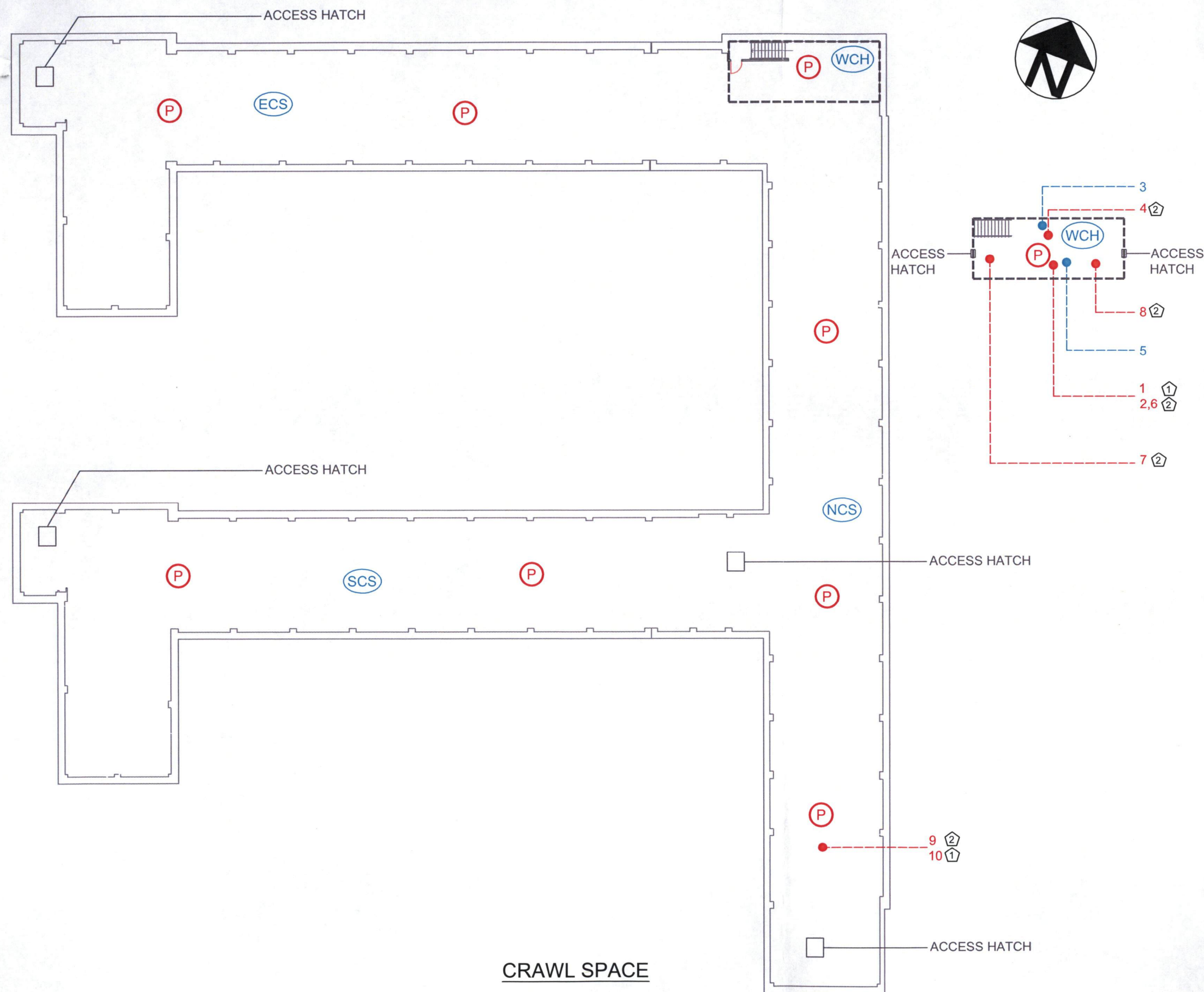
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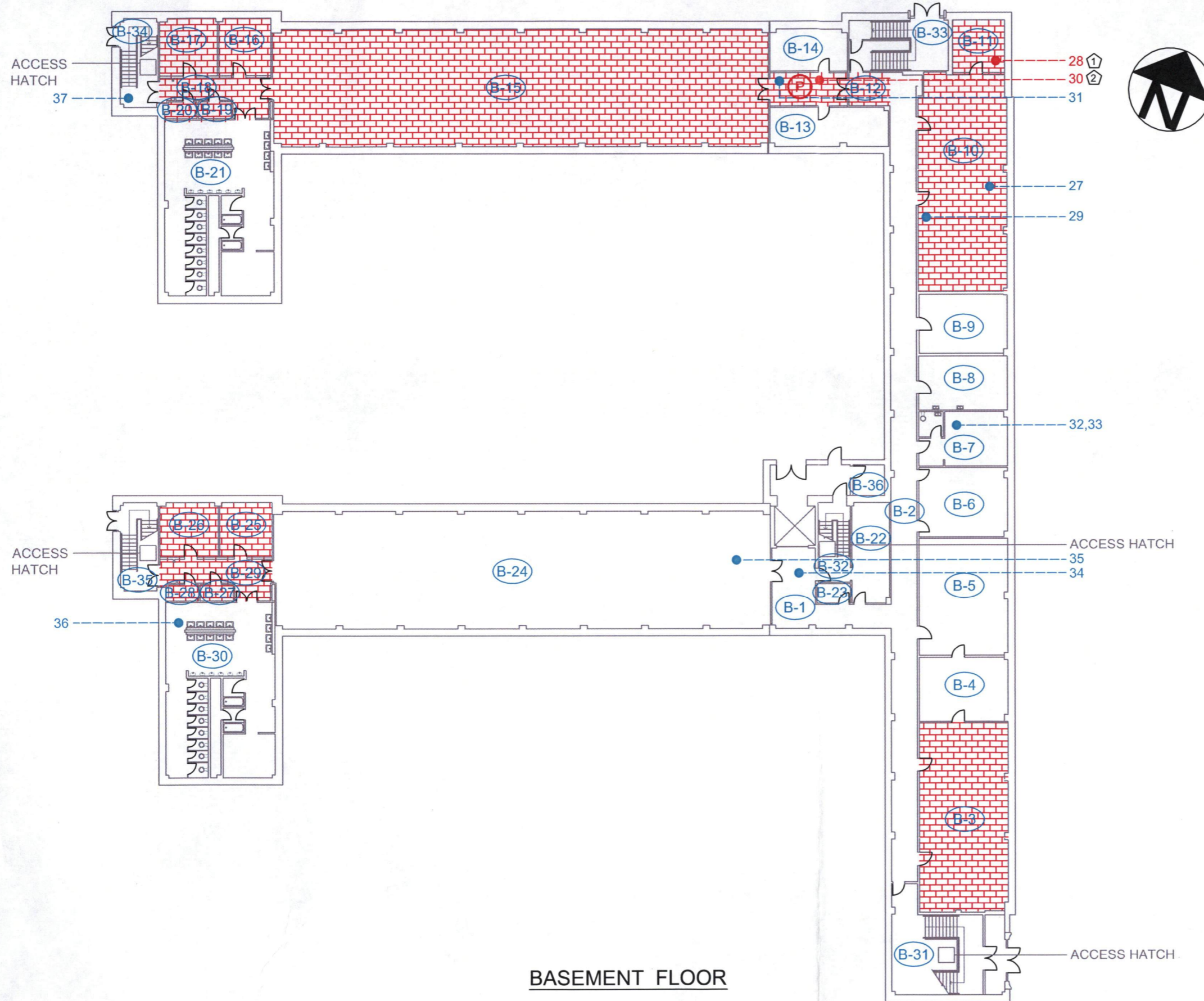
- ① SAMPLE ROOM NUMBER
 - ASBESTOS NON-DETECTED
 - ASBESTOS DETECTED
 - ASBESTOS - WALL
 - ⓓ ASBESTOS - INSULATION ON DUCTWORK ABOVE CEILING
 - Ⓟ ASBESTOS - INSULATION ON PIPING
 - ▨ ASBESTOS - CEILING
 - ▨ ASBESTOS - FLOOR
 - ▨ ASBESTOS - CEILING & FLOOR
 - ▨ NO ACCESS
- LEVELS
- 1 - CRAWL SPACE

NOTES

- ① - MUDDING ON STRAIGHT RUN
- ② - MUDDING ON PIPE ELBOW

PROJECT RCMP DEPOT, REGINA, SASKATCHEWAN	
LOCATION BUILDING#72 "B" BLOCK	
PROJECT NUMBER 05-1325-0016	
DATE MARCH2005	DRAWING SCALE NTS
DRAWING NUMBER	





BASEMENT FLOOR

LEGEND

- ① SAMPLE ROOM NUMBER
 - ASBESTOS NON-DETECTED
 - ASBESTOS DETECTED
 - ASBESTOS - WALL
 - ⓓ ASBESTOS - INSULATION ON DUCTWORK ABOVE CEILING
 - Ⓟ ASBESTOS - INSULATION ON PIPING
 - ▨ ASBESTOS - CEILING
 - ▨ ASBESTOS - FLOOR
 - ▨ ASBESTOS - CEILING & FLOOR
 - ▨ NO ACCESS
- LEVELS**
- 1 - BASEMENT FLOOR

NOTES

- ① - FLOOR TILE
- ② - MUDDING ON PIPE ELBOW

PROJECT RCMP DEPOT, REGINA, SASKATCHEWAN	
LOCATION BUILDING#72 "B" BLOCK	
PROJECT NUMBER 05-1325-0016	
DATE MARCH2005	DRAWING SCALE NTS
DRAWING NUMBER	



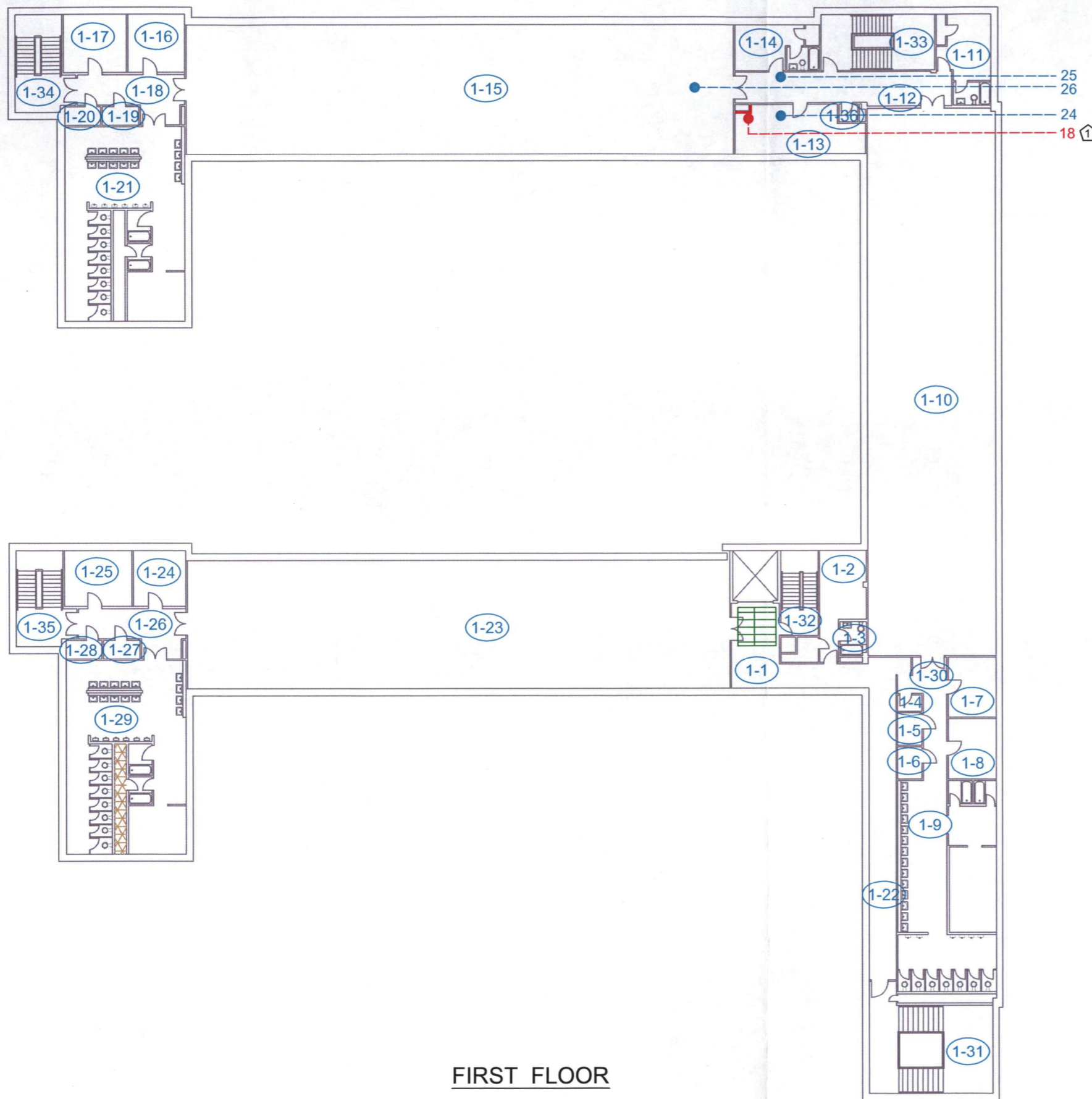
LEGEND

- ① SAMPLE ROOM NUMBER
 - ASBESTOS NON-DETECTED
 - ASBESTOS DETECTED
 - ASBESTOS - WALL
 - ⓓ ASBESTOS - INSULATION ON DUCTWORK ABOVE CEILING
 - Ⓟ ASBESTOS - INSULATION ON PIPING
 - ▧ ASBESTOS - CEILING
 - ▨ ASBESTOS - FLOOR
 - ▩ ASBESTOS - CEILING & FLOOR
 - NO ACCESS
- LEVELS
- 1 - FIRST FLOOR

NOTES

- ① - DRYWALL JOINT COMPOUND
- ② - MUDDING ON PIPE ELBOW

PROJECT RCMP DEPOT, REGINA, SASKATCHEWAN	
LOCATION BUILDING#72 "B" BLOCK	
PROJECT NUMBER 05-1325-0016	
DATE MARCH2005	DRAWING SCALE NTS
DRAWING NUMBER	



FIRST FLOOR



LEGEND

- ① SAMPLE ROOM NUMBER
- ASBESTOS NON-DETECTED
- ASBESTOS DETECTED
- ASBESTOS - WALL
- ⓓ ASBESTOS - INSULATION ON DUCTWORK ABOVE CEILING
- Ⓟ ASBESTOS - INSULATION ON PIPING
- ▨ ASBESTOS - CEILING
- ▩ ASBESTOS - FLOOR
- ▧ ASBESTOS - CEILING & FLOOR
- ▦ NO ACCESS

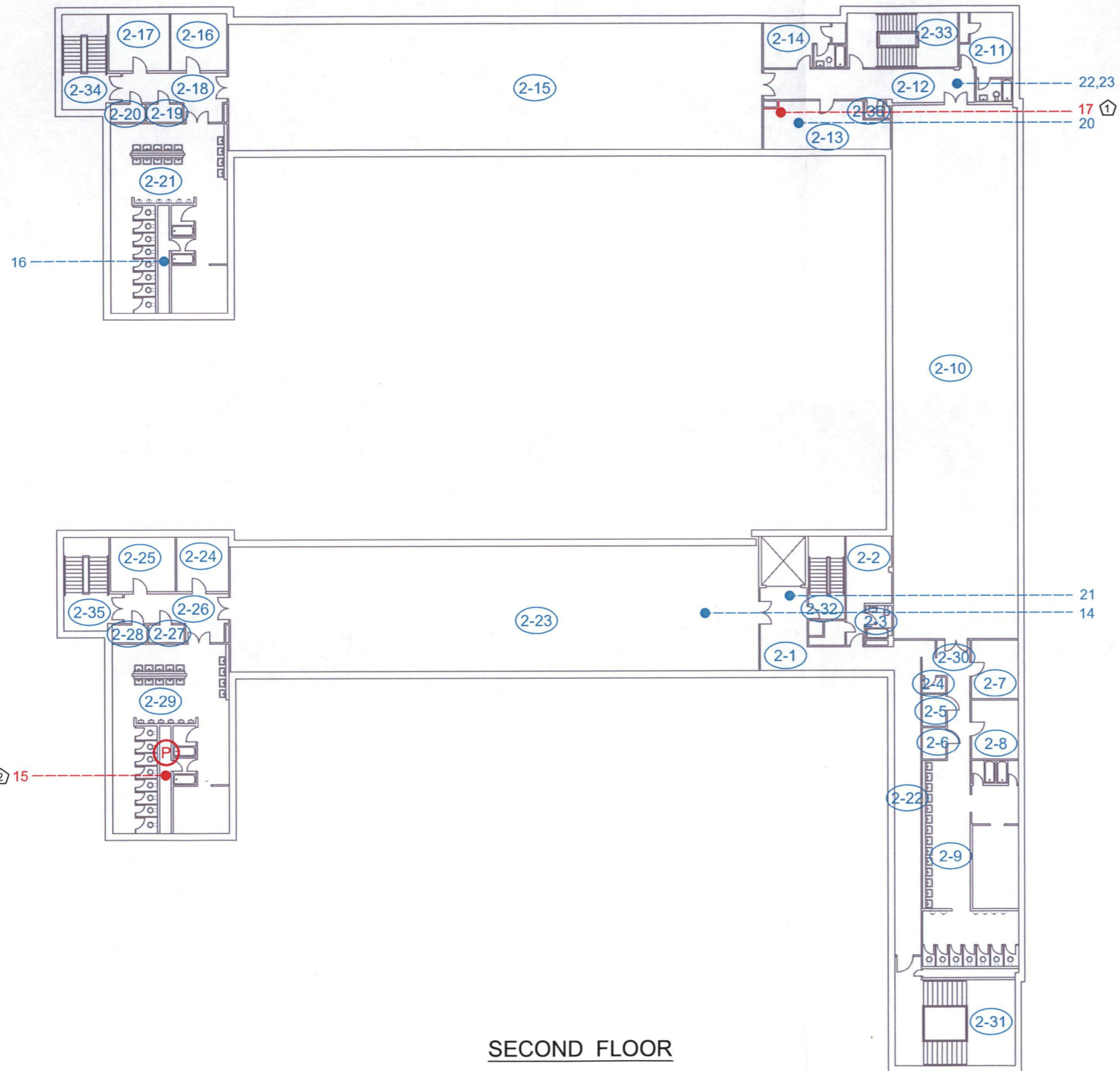
LEVELS

- 1 - SECOND FLOOR

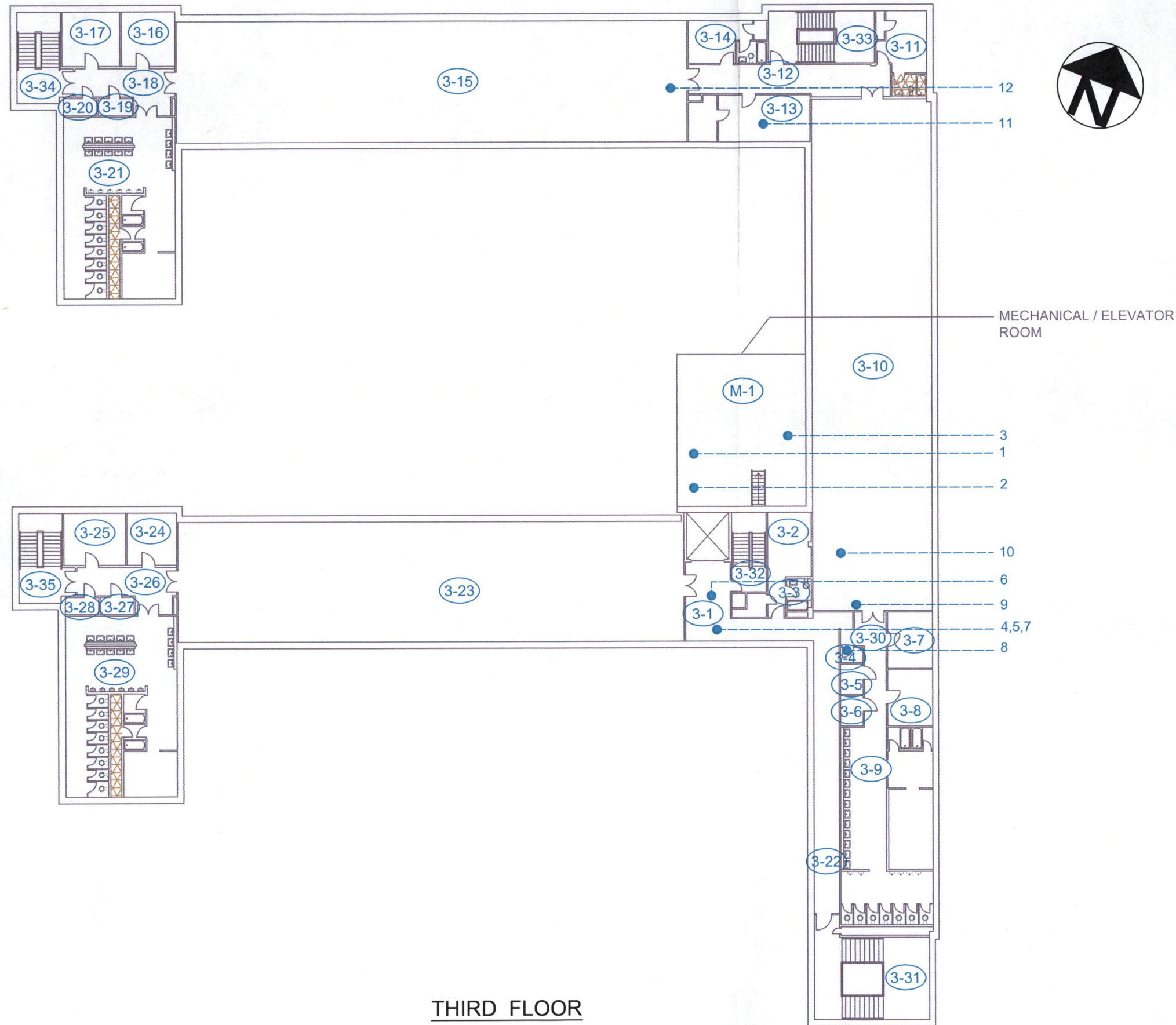
NOTES

- ① - DRYWALL JOINT COMPOUND
- ② - MUDDING ON PIPE ELBOW

PROJECT RCMP DEPOT, REGINA, SASKATCHEWAN	
LOCATION BUILDING#72 "B" BLOCK	
PROJECT NUMBER 05-1325-0016	
DATE MARCH2005	DRAWING SCALE NTS
DRAWING NUMBER	



SECOND FLOOR



LEGEND

- ① SAMPLE ROOM NUMBER
 - ASBESTOS NON-DETECTED
 - ASBESTOS DETECTED
 - ASBESTOS - WALL
 - ⓓ ASBESTOS - INSULATION ON DUCTWORK ABOVE CEILING
 - Ⓟ ASBESTOS - INSULATION ON PIPING
 - ▨ ASBESTOS - CEILING
 - ▩ ASBESTOS - FLOOR
 - ▤ ASBESTOS - CEILING & FLOOR
 - ▧ NO ACCESS LEVELS
- 1 - THIRD FLOOR

NOTES

- ① - MUDDING ON PIPE ELBOW

PROJECT RCMP DEPOT, REGINA, SASKATCHEWAN	
LOCATION BUILDING#72 "B" BLOCK	
PROJECT NUMBER 05-1325-0016	
DATE MARCH2005	DRAWING SCALE NTS
DRAWING NUMBER	

THIRD FLOOR

Part 1 General

1.1 REFERENCES AND CODES

- .1 Perform Work in accordance with National Building Code of Canada (NBC) including amendments up to tender closing date and other codes of provincial or local application provided that in case of conflict or discrepancy, more stringent requirements apply.

- .2 Meet or exceed requirements of:
 - .1 Contract documents.
 - .2 Specified standards, codes and referenced documents.

1.2 HAZARDOUS MATERIAL DISCOVERY

- .1 Asbestos: demolition of spray or trowel-applied asbestos is hazardous to health. Stop work immediately when material resembling spray or trowel-applied asbestos is encountered during demolition work. Notify Departmental Representative

1.3 BUILDING SMOKING ENVIRONMENT

- .1 Comply with smoking restrictions at the site and municipal by-laws.

- .2 Smoking on site is restricted to within personal vehicles or designated smoking locations.

END OF SECTION

Part 1 General

1.1 INSPECTION

- .1 Allow Departmental Representative and Consultant access to Work. If part of Work is in preparation at locations other than Place of Work, allow access to such Work whenever it is in progress.
- .2 Give timely notice requesting inspection if Work is designated for special tests, inspections or approvals by Departmental Representative or Consultant, instructions, or law of Place of Work.
- .3 If Contractor covers or permits to be covered Work that has been designated for special tests, inspections or approvals before such is made, uncover such Work, have inspections or tests satisfactorily completed and make good such Work.
- .4 Departmental Representative will order part of Work to be examined if Work is suspected to be not in accordance with Contract Documents. If, upon examination such work is found not in accordance with Contract Documents, correct such Work and pay cost of examination and correction. If such Work is found in accordance with Contract Documents, Departmental Representative shall pay cost of examination and replacement.

1.2 ACCESS TO WORK

- .1 Allow inspection/testing agencies access to Work, off site manufacturing and fabrication plants.
- .2 Co-operate to provide reasonable facilities for such access.

1.3 PROCEDURES

- .1 Notify appropriate agency and Departmental Representative in advance of requirement for tests, in order that attendance arrangements can be made.
- .2 Submit samples and/or materials required for testing, as specifically requested in specifications. Submit with reasonable promptness and in orderly sequence to not cause delays in Work.
- .3 Provide labour and facilities to obtain and handle samples and materials on site. Provide sufficient space to store and cure test samples.

1.4 REJECTED WORK

- .1 Remove defective Work, whether result of poor workmanship, use of defective products or damage and whether incorporated in Work or not, which has been rejected by Departmental Representative as failing to conform to Contract Documents. Replace or re-execute in accordance with Contract Documents.
- .2 Make good other Contractor's work damaged by such removals or replacements promptly.

- .3 If in opinion of Departmental Representative it is not expedient to correct defective Work or Work not performed in accordance with Contract Documents, Owner will deduct from Contract Price difference in value between Work performed and that called for by Contract Documents, amount of which will be determined by Departmental Representative.

1.5 REPORTS

- .1 Where inspection and tests are required within the specification Sections, submit 4 copies of inspection and test reports to Departmental Representative.
- .2 Provide copies to subcontractor of work being inspected or tested.

1.6 TESTS AND MIX DESIGNS

- .1 Furnish test results as requested by the specification Sections.
- .2 Cost of tests beyond those called for in Contract Documents or beyond those required by law of Place of Work will be appraised by Departmental Representative and may be authorized as recoverable.

1.7 MOCK-UPS

- .1 Prepare mock-ups for Work specifically requested in specifications. Include for Work of Sections required to provide mock-ups.
- .2 Construct in locations acceptable to Departmental Representative and as specified in specific Section.
- .3 Prepare mock-ups for Departmental Representative and Consultant's review with reasonable promptness and in orderly sequence, to not cause delays in Work.
- .4 Failure to prepare mock-ups in ample time is not considered sufficient reason for extension of Contract Time and no claim for extension by reason of such default will be allowed.
- .5 If requested, Departmental Representative will assist in preparing schedule fixing dates for preparation.
- .6 Mock-ups may remain as part of Work.

END OF SECTION

Part 1 General

1.1 SUBMITTALS

- .1 Provide submittals in accordance with Section 01 33 00 - Submittal Procedures.

1.2 INSTALLATION AND REMOVAL

- .1 Provide temporary utilities controls in order to execute work expeditiously.
- .2 Remove from site all such work after use.

1.3 WATER SUPPLY

- .1 Departmental Representative will make available a continuous supply of potable water for construction use.
- .2 Arrange for connection with appropriate utility company and pay costs for installation, maintenance and removal.

1.4 TEMPORARY HEATING AND VENTILATION

- .1 Maintain temperatures of minimum 10 degrees C in areas where construction is in progress.
- .2 Ventilating:
 - .1 Prevent accumulations of dust, fumes, mists, vapours or gases in areas occupied during construction.
 - .2 Provide local exhaust ventilation to prevent harmful accumulation of hazardous substances into atmosphere of occupied areas.
 - .3 Dispose of exhaust materials in manner that will not result in harmful exposure to persons.
 - .4 Ventilate storage spaces containing hazardous or volatile materials.
 - .5 Continue operation of ventilation and exhaust system for time after cessation of work process to assure removal of harmful contaminants.
- .3 Permanent heating system of building, may be used when available. Be responsible for damage to heating system if use is permitted.
- .4 On completion of Work for which permanent heating system is used, provide service maintenance to system at discretion of the Departmental Representative.
- .5 Pay costs for maintaining temporary heat, when not using permanent heating system. Owner will pay utility charges when temporary heat source is existing building equipment.
- .6 Maintain strict supervision of operation of temporary heating and ventilating equipment to:
 - .1 Conform with applicable codes and standards.
 - .2 Enforce safe practices.
 - .3 Prevent abuse of services.

- .4 Prevent damage to finishes.
- .5 Vent direct-fired combustion units to outside.
- .7 Be responsible for damage to Work due to failure in providing adequate heat and protection during construction.

1.5 TEMPORARY POWER AND LIGHT

- .1 Provide and maintain temporary lighting throughout project. Existing lighting and power systems may be utilized.

1.6 TEMPORARY COMMUNICATION FACILITIES

- .1 Provide and pay for temporary telephone, fax, data hook up, lines and equipment necessary for own use and use of Departmental Representative.

1.7 FIRE PROTECTION

- .1 Provide and maintain temporary fire protection equipment during performance of Work required by Authorities Having Jurisdiction and governing codes, regulations and bylaws.

END OF SECTION

Part 1 General

1.1 REFERENCES

- .1 Canadian Standards Association (CSA International)
 - .1 CAN/CSA-S269.2-M1987(R2003), Access Scaffolding for Construction Purposes.

1.2 SUBMITTALS

- .1 Provide submittals in accordance with Section 01 33 00 - Submittal Procedures.

1.3 INSTALLATION AND REMOVAL

- .1 Prepare site plan indicating proposed location and dimensions of area to be fenced and used by Contractor, number of trailers to be used, avenues of ingress/egress to fenced area and details of fence installation.
- .2 Identify areas which have to be protected or covered.
- .3 Indicate use of supplemental or other staging area.
- .4 Provide construction facilities in order to execute work expeditiously.
- .5 Remove from site all such work after use.
- .6 Repair all landscape areas affected by equipment or scaffolding. Existing grassed areas are to be repaired using nursery sod (Kentucky Bluegrass). Fill all ruts caused by work using topsoil.

1.4 SCAFFOLDING

- .1 Scaffolding in accordance with CAN/CSA-S269.2.
- .2 Provide and maintain scaffolding, ramps, ladders, swing staging, platforms, and temporary stairs.

1.5 HOISTING

- .1 Provide, operate and maintain hoists and cranes required for moving of workers, materials and equipment. Make financial arrangements with Subcontractors for their use of hoists.
- .2 Hoists and cranes to be operated by qualified operator.

1.6 ELEVATORS

- .1 Designated existing elevator to be used by construction personnel for transporting of materials only. Co-ordinate use with Departmental Representative.
- .2 Provide protective coverings for finish surfaces of cars and entrances.

1.7 SITE STORAGE/LOADING

- .1 Confine work and operations of employees by Contract Documents. Do not unreasonably encumber premises with products.
- .2 Do not load or permit to load any part of Work with weight or force that will endanger Work.
- .3 Provide secure storage containers in a location at this site, as directed by the Departmental Representative, for the storage of all windows. The storage location may be remote from the building but within a radius of 0.5 km.

1.8 CONSTRUCTION PARKING

- .1 Parking arrangements will be provided by the Departmental Representative at project start up.
- .2 Provide and maintain adequate access to project site.

1.9 OFFICES

- .1 Provide and maintain, during the entire progress of the Work, a suitable office on the site, for own use, with suitable tables or benches for the examination of drawings, specifications, etc., and where all notices and instructions from the Consultant may be received and acknowledged. Provide suitable meeting space for site meetings. Provide adequate heating, ventilating and lighting. Location of these offices to be coordinated with the Departmental Representative.
- .2 Provide marked and fully stocked first-aid case in a readily available location.

1.10 EQUIPMENT, TOOL AND MATERIALS STORAGE

- .1 Provide and maintain, in clean and orderly condition, lockable weatherproof sheds for storage of tools, equipment and materials.
- .2 Locate materials not required to be stored in weatherproof sheds on site in manner to cause least interference with work activities.

1.11 SANITARY FACILITIES

- .1 Provide and maintain portable sanitary facilities for work force in accordance with governing regulations and ordinances.
- .2 Post notices and take precautions as required by local health authorities. Keep area and premises in sanitary condition.

1.12 CONSTRUCTION SIGNAGE

- .1 No signs or advertisements, other than warning signs, are permitted on site.

1.13 PROTECTION AND MAINTENANCE OF TRAFFIC

- .1 Maintain and protect traffic on affected roads during construction period except as otherwise specifically directed by Departmental Representative.
- .2 Provide measures for protection and diversion of traffic, including provision of watch-persons and flag-persons, erection of barricades, placing of lights around and in front of equipment and work, and erection and maintenance of adequate warning, danger, and direction signs
- .3 Protect travelling public from damage to person and property.
- .4 Contractor's traffic on roads selected for hauling material to and from site shall not interfere with training activities of cadets.
- .5 Verify adequacy of existing roads and allowable load limit on these roads. Contractor: responsible for repair of damage to roads caused by construction operations.

1.14 CLEAN-UP

- .1 Remove construction debris, waste materials, packaging material from work site daily.
- .2 Clean dirt or mud tracked onto paved or surfaced roadways.
- .3 Store materials resulting from demolition activities that are salvageable.
- .4 Stack stored new or salvaged material not in construction facilities.

END OF SECTION

Part 1 General

1.1 INSTALLATION AND REMOVAL

- .1 Provide temporary controls in order to execute Work expeditiously.
- .2 Remove from site all such work after use.

1.2 HOARDING

- .1 Provide barriers around trees and plants in area of work. Protect from damage by equipment and construction procedures.
- .2 Provide barriers around areas of work where equipment is operating and where material can fall, in order to protect public.

1.3 GUARD RAILS, BARRICADES, AND SIGNAGE

- .1 Provide secure, rigid guard rails and barricades around all openings.
- .2 Provide Construction Zone warning and access control signage.

1.4 WEATHER ENCLOSURES

- .1 Provide weather tight closures to window openings, and other openings.
- .2 Enclose building interior work for temporary heat.
- .3 Design enclosures to withstand wind pressure and snow loading.
- .4 Install weather enclosures without damaging existing exterior finishes and materials.

1.5 DUST TIGHT SCREENS

- .1 Provide dust tight screens or insulated partitions to localize dust generating activities, and for protection of workers, finished areas of Work and public.
- .2 Maintain and relocate protection until such work is complete.

1.6 ACCESS TO SITE

- .1 Provide and maintain access roads, sidewalk crossings, ramps and construction runways as may be required for access to Work.

1.7 FIRE ROUTES

- .1 Maintain access to property including overhead clearances for use by emergency response vehicles.

1.8 EXISTING PLANTING MATERIAL AND SOFT LANDSCAPING

- .1 There are existing grassed areas and trees next to the building where the contractor will need access for this window replacement.

- .2 Provide temporary protection for lawn and trees during the construction period.
- .3 Carefully tie back branches in area of work to allow access. Do not prune trees. If pruning is required notify the Departmental Representative immediately.
- .4 Make good all damage to lawn and planting resulting from this Work.

1.9 PROTECTION OF BUILDING FINISHES

- .1 Provide protection for finished and partially finished building finishes and equipment during performance of Work.
- .2 Provide necessary screens, covers, and hoardings.
- .3 Confirm with Departmental Representative locations and installation schedule 3 days prior to installation.
- .4 Be responsible for damage incurred due to lack of or improper protection.

1.10 WASTE MANAGEMENT AND DISPOSAL

- .1 Separate waste materials for reuse and recycling. Transport waste and recycled materials to appropriate sites for disposal and recycling.

END OF SECTION

Part 1 General

1.1 REFERENCES

- .1 Within text of each specifications section, reference may be made to reference standards.
- .2 Conform to these reference standards, in whole or in part as specifically requested in specifications.
- .3 If there is question as to whether products or systems are in conformance with applicable standards, Departmental Representative reserves right to have such products or systems tested to prove or disprove conformance.
- .4 Cost for such testing will be born by Departmental Representative in event of conformance with Contract Documents or by Contractor in event of non-conformance.

1.2 QUALITY

- .1 Products, materials, equipment and articles incorporated in Work shall be new, not damaged or defective, and of best quality for purpose intended. If requested, furnish evidence as to type, source and quality of products provided.
- .2 Procurement policy is to acquire, in cost effective manner, items containing highest percentage of recycled and recovered materials practicable consistent with maintaining satisfactory levels of competition. Make reasonable efforts to use recycled and recovered materials and in otherwise utilizing recycled and recovered materials in execution of work.
- .3 Defective products, whenever identified prior to completion of Work, will be rejected, regardless of previous inspections. Inspection does not relieve responsibility, but is precaution against oversight or error. Remove and replace defective products at own expense and be responsible for delays and expenses caused by rejection.
- .4 Should disputes arise as to quality or fitness of products, decision rests strictly with Departmental Representative based upon requirements of Contract Documents.
- .5 Unless otherwise indicated in specifications, maintain uniformity of manufacture for any particular or like item throughout building.
- .6 Permanent labels, trademarks and nameplates on products are not acceptable in prominent locations, except where required for operating instructions, or when located in mechanical or electrical rooms.

1.3 AVAILABILITY

- .1 Immediately upon signing Contract, review product delivery requirements and anticipate foreseeable supply delays for items. If delays in supply of products are foreseeable, notify Departmental Representative of such, in order that substitutions or other remedial action may be authorized in ample time to prevent delay in performance of Work.
- .2 In event of failure to notify Departmental Representative at commencement of Work and should it subsequently appear that Work may be delayed for such reason, Departmental Representative reserves right to substitute more readily available products of similar character, at no increase in Contract Price or Contract Time.

1.4 STORAGE, HANDLING AND PROTECTION

- .1 Handle and store products in manner to prevent damage, adulteration, deterioration and soiling and in accordance with manufacturer's instructions when applicable.
- .2 Store packaged or bundled products in original and undamaged condition with manufacturer's seal and labels intact. Do not remove from packaging or bundling until required in Work.
- .3 Store products subject to damage from weather in weatherproof enclosures.
- .4 Store cementitious products clear of earth or concrete floors, and away from walls.
- .5 Keep sand, when used for grout or mortar materials, clean and dry. Store sand on wooden platforms and cover with waterproof tarpaulins during inclement weather.
- .6 Store sheet materials, lumber, steel members, doors and frames on flat, solid supports and keep clear of ground. Slope to shed moisture.
- .7 Store and mix paints in heated and ventilated room. Remove oily rags and other combustible debris from site daily. Take every precaution necessary to prevent spontaneous combustion.
- .8 Remove and replace damaged products at own expense and to satisfaction of Departmental Representative.
- .9 Touch-up damaged factory finished surfaces to Departmental Representative's satisfaction. Use touch-up materials to match original. Do not paint over name plates.

1.5 TRANSPORTATION

- .1 Pay costs of transportation of products required in performance of Work.

1.6 MANUFACTURER'S INSTRUCTIONS

- .1 Unless otherwise indicated in specifications, install or erect products in accordance with manufacturer's instructions. Do not rely on labels or enclosures provided with products. Obtain written instructions directly from manufacturers.
- .2 Notify Departmental Representative in writing, of conflicts between specifications and manufacturer's instructions, so that Departmental Representative will establish course of action.
- .3 Improper installation or erection of products, due to failure in complying with these requirements, authorizes Departmental Representative to require removal and re-installation at no increase in Contract Price or Contract Time.

1.7 QUALITY OF WORK

- .1 Ensure Quality of Work is of highest standard, executed by workers experienced and skilled in respective duties for which they are employed. Immediately notify Departmental Representative if required Work is such as to make it impractical to produce required results.

- .2 Do not employ anyone unskilled in their required duties. Departmental Representative reserves right to require dismissal from site, workers deemed incompetent or careless.
- .3 Decisions as to standard or fitness of Quality of Work in cases of dispute rest solely with Departmental Representative, whose decision is final.

1.8 CO-ORDINATION

- .1 Ensure co-operation of workers in laying out Work. Maintain efficient and continuous supervision.
- .2 Be responsible for coordination and placement of openings, sleeves and accessories.

1.9 CONCEALMENT

- .1 In finished areas conceal pipes, ducts and wiring in floors, walls and ceilings, except where indicated otherwise.
- .2 Before installation inform Departmental Representative if there is interference. Install as directed by Departmental Representative.

1.10 REMEDIAL WORK

- .1 Perform remedial work required to repair or replace parts or portions of Work identified as defective or unacceptable. Co-ordinate adjacent affected Work as required.
- .2 Perform remedial work by specialists familiar with materials affected. Perform in a manner to neither damage nor put at risk any portion of Work.

1.11 LOCATION OF FIXTURES

- .1 Consider location of fixtures, outlets, and mechanical and electrical items indicated as approximate.
- .2 Inform Departmental Representative of conflicting installation. Install as directed.

1.12 FASTENINGS

- .1 Provide metal fastenings and accessories in same texture, colour and finish as adjacent materials, unless indicated otherwise.
- .2 Prevent electrolytic action between dissimilar metals and materials.
- .3 Use non-corrosive hot dip galvanized steel fasteners and anchors for securing exterior work, unless stainless steel or other material is specifically requested in affected specification Section.
- .4 Space anchors within individual load limit or shear capacity and ensure they provide positive permanent anchorage. Wood, or any other organic material plugs are not acceptable.
- .5 Keep exposed fastenings to a minimum, space evenly and install neatly.

- .6 Fastenings which cause spalling or cracking of material to which anchorage is made are not acceptable.

1.13 FASTENINGS - EQUIPMENT

- .1 Use fastenings of standard commercial sizes and patterns with material and finish suitable for service.
- .2 Use No. 304 stainless steel for exterior areas.
- .3 Bolts may not project more than one diameter beyond nuts.
- .4 Use plain type washers on equipment, sheet metal and soft gasket lock type washers where vibrations occur. Use resilient washers with stainless steel.

1.14 PROTECTION OF WORK IN PROGRESS

- .1 Prevent overloading of parts of building. Do not cut, drill or sleeve load bearing structural member, unless specifically indicated without written approval of Departmental Representative.

1.15 EXISTING UTILITIES

- .1 When breaking into or connecting to existing services or utilities, execute Work at times directed by local governing authorities, with minimum of disturbance to Work, and/or building occupants.
- .2 Protect, relocate or maintain existing active services. When services are encountered, cap off in manner approved by authority having jurisdiction. Stake and record location of capped service.

END OF SECTION

Part 1 General

1.1 SUBMITTALS

- .1 Submittals: in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Submit written request in advance of cutting or alteration which affects:
 - .1 Structural integrity of elements of project.
 - .2 Integrity of weather-exposed or moisture-resistant elements.
 - .3 Efficiency, maintenance, or safety of operational elements.
 - .4 Visual qualities of sight-exposed elements.
 - .5 Work of Owner or separate contractor.
- .3 Include in request:
 - .1 Identification of project.
 - .2 Location and description of affected Work.
 - .3 Statement on necessity for cutting or alteration.
 - .4 Description of proposed Work, and products to be used.
 - .5 Alternatives to cutting and patching.
 - .6 Effect on Work of Owner or separate contractor.
 - .7 Written permission of affected separate contractor.
 - .8 Date and time work will be executed.

1.2 FORMS

- .1 Special forms required during the course of this Work may include the following. Forms will be supplied by the Client.
 - .1 Hot work.
 - .2 Confined space entry.
 - .3 Site steam protocol.
 - .4 Ground disturbance.

1.3 MATERIALS

- .1 Required for original installation.
- .2 Change in Materials: Submit request for substitution in accordance with Section 01 33 00 - Submittal Procedures.

1.4 PREPARATION

- .1 Inspect existing conditions, including elements subject to damage or movement during cutting and patching.
- .2 After uncovering, inspect conditions affecting performance of Work.
- .3 Beginning of cutting or patching means acceptance of existing conditions.

- .4 Provide supports to assure structural integrity of surroundings; provide devices and methods to protect other portions of project from damage.
- .5 Provide protection from elements for areas which are to be exposed by uncovering work; maintain excavations free of water.

1.5 EXECUTION

- .1 Execute cutting, fitting, and patching including excavation and fill, to complete Work.
- .2 Fit several parts together, to integrate with other Work.
- .3 Uncover Work to install ill-timed Work.
- .4 Remove and replace defective and non-conforming Work.
- .5 Provide openings in non-structural elements of Work for penetrations of mechanical and electrical Work.
- .6 Execute Work by methods to avoid damage to other Work, and which will provide proper surfaces to receive patching and finishing.
- .7 Employ original installer to perform cutting and patching for weather-exposed and moisture-resistant elements, and sight-exposed surfaces.
- .8 Cut rigid materials using masonry saw or core drill. Pneumatic or impact tools not allowed on masonry work without prior approval.
- .9 Restore work with new products in accordance with requirements of Contract Documents.
- .10 Fit Work airtight to pipes, sleeves, ducts, conduit, and other penetrations through surfaces.
- .11 Refinish surfaces to match adjacent finishes: Refinish continuous surfaces to nearest intersection. Refinish assemblies by refinishing entire unit.

1.6 WASTE MANAGEMENT AND DISPOSAL

- .1 Separate waste materials for reuse and recycling. Transport waste and recycled materials to appropriate sites for disposal and recycling.

END OF SECTION

1.1 PROJECT CLEANLINESS

- .1 Maintain Work in tidy condition, free from accumulation of waste products and debris, other than that caused by Owner or other Contractors.
- .2 Remove waste materials from site at daily regularly scheduled times. Do not burn waste materials on site.
- .3 Make arrangements with and obtain permits from authorities having jurisdiction for disposal of waste and debris.
- .4 Provide on-site containers for collection of waste materials and debris.
- .5 Dispose of waste materials and debris off site.
- .6 Clean interior areas prior to start of finishing work, and maintain areas free of dust and other contaminants during finishing operations.
- .7 Store volatile waste in covered metal containers, and remove from premises at end of each working day.
- .8 Provide adequate ventilation during use of volatile or noxious substances. Use of building ventilation systems is not permitted for this purpose.
- .9 Use only cleaning materials recommended by manufacturer of surface to be cleaned, and as recommended by cleaning material manufacturer.
- .10 Schedule cleaning operations so that resulting dust, debris and other contaminants will not fall on wet, newly painted surfaces nor contaminate building systems.

1.2 FINAL CLEANING

- .1 When Work is Substantially Performed remove surplus products, tools, construction machinery and equipment not required for performance of remaining Work.
- .2 Remove waste products and debris other than that caused by others, and leave Work clean and suitable for occupancy. Remove debris and surplus materials from accessible concealed spaces.
- .3 Inspect finishes, fitments and equipment and ensure specified workmanship and operation.
- .4 Vacuum carpet in renovated areas and where construction traffic occurs. If heavily soiled carpeting shall be commercially steam cleaned. This will be at the discretion of the Departmental Representative.
- .5 Clean areas of resilient sheet flooring in renovated areas.
- .6 Clean all glass and wipe down adjacent surfaces in renovated areas.

END OF SECTION

Part 1 General

1.1 DEFINITIONS

- .1 Materials Source Separation Program (MSSP): consists of series of ongoing activities to separate reusable and recyclable waste material into material categories from other types of waste at point of generation.
- .2 Recyclable: ability of product or material to be recovered at end of its life cycle and re-manufactured into new product for reuse.
- .3 Recycle: process by which waste and recyclable materials are transformed or collected for purpose of being transferred into new products.
- .4 Recycling: process of sorting, cleansing, treating and reconstituting solid waste and other discarded materials for purpose of using in altered form. Recycling does not include burning, incinerating, or thermally destroying waste.
- .5 Reuse: repeated use of product in same form but not necessarily for same purpose. Reuse includes:
 - .1 Salvaging reusable materials from re-modelling projects, before demolition stage, for resale, reuse on current project or for storage for use on future projects.
 - .2 Returning reusable items including pallets or unused products to vendors.
- .6 Salvage: removal of structural and non-structural materials from deconstruction/disassembly projects for purpose of reuse or recycling.
- .7 Separate Condition: refers to waste sorted into individual types.
- .8 Source Separation: acts of keeping different types of waste materials separate beginning from first time they became waste.
- .9 Waste Audit (WA): detailed inventory of materials in building. Involves quantifying by volume/weight amounts of materials and wastes generated during construction, demolition, deconstruction, or renovation project. Indicates quantities of reuse, recycling and landfill. Refer to Schedule A.
- .10 Waste Management Co-ordinator (WMC) : contractor representative responsible for supervising waste management activities as well as coordinating related, required submittal and reporting requirements.
- .11 Waste Reduction Workplan (WRW): written report which addresses opportunities for reduction, reuse, or recycling of materials. Refer to Schedule B. WRW is based on information acquired from WA (Schedule A).

1.2 SUBMITTALS

- .1 Submittals in accordance with Section 01 33 00 - Submittal Procedures.

1.3 WASTE REDUCTION WORKPLAN (WRW)

- .1 Prepare WRW prior to project start-up.

- .2 WRW should include but not limited to:
 - .1 Destination of materials listed.
 - .2 Deconstruction/disassembly techniques and sequencing.
 - .3 Schedule for deconstruction/disassembly.
 - .4 Location.
 - .5 Security.
 - .6 Protection.
 - .7 Clear labelling of storage areas.
 - .8 Details on materials handling and removal procedures.
 - .9 Quantities for materials to be salvaged for reuse or recycled and materials sent to landfill.
- .3 Structure WRW to prioritize actions and follow 3R's hierarchy, with Reduction as first priority, followed by Reuse, then Recycle.
- .4 Describe management of waste.
- .5 Identify opportunities for reduction, reuse, and recycling of materials. Based on information acquired from WA.
- .6 Post WRW or summary where workers at site are able to review content.
- .7 Set realistic goals for waste reduction, recognize existing barriers and develop strategies to overcome these barriers.
- .8 Monitor and report on waste reduction.

1.4 MATERIALS SOURCE SEPARATION PROGRAM (MSSP)

- .1 Prepare MSSP and have ready for use prior to project start-up.
- .2 Implement MSSP for waste generated on project in compliance with approved methods and as reviewed by Departmental Representative.
- .3 Provide on-site facilities for collection, handling, and storage of anticipated quantities of reusable and recyclable materials.
- .4 Provide containers to deposit reusable and recyclable materials.
- .5 Locate containers in locations, to facilitate deposit of materials without hindering daily operations.
- .6 Locate separated materials in areas which minimize material damage.
- .7 Collect, handle, store on-site, and transport off-site, salvaged materials in separate condition.
 - .1 Transport to users of material for recycling.
- .8 Collect, handle, store on-site, and transport off-site, salvaged materials in combined condition.

- .1 Ship materials to site operating under Certificate of Approval.
- .2 Materials must be immediately separated into required categories for reuse or recycling.

1.5 STORAGE, HANDLING AND PROTECTION

- .1 Store, materials to be reused, recycled and salvaged in locations as directed by Departmental Representative.
- .2 Protect surface drainage, mechanical and electrical from damage and blockage.
- .3 Separate and store materials produced during dismantling of structures in designated areas.
- .4 Prevent contamination of materials to be salvaged and recycled and handle materials in accordance with requirements for acceptance by designated facilities.
 - .1 On-site source separation is recommended.
 - .2 Remove co-mingled materials to off-site processing facility for separation.
 - .3 Provide waybills for separated materials.

1.6 DISPOSAL OF WASTES

- .1 Do not bury rubbish or waste materials.
- .2 Do not dispose of waste, volatile materials, mineral spirits, oil, and paint thinner into waterways, storm, or sanitary sewers.

1.7 USE OF SITE AND FACILITIES

- .1 Execute work with least possible interference or disturbance to normal use of premises.
- .2 Maintain security measures established by existing facility and where required provide temporary security measures approved by Departmental Representative.

1.8 SCHEDULING

- .1 Co-ordinate Work with other activities at site to ensure timely and orderly progress of Work.

Part 2 Execution

2.1 APPLICATION

- .1 Do Work in compliance with WRW.
- .2 Handle waste materials not reused, salvaged, or recycled in accordance with appropriate regulations and codes.

2.2 CLEANING

- .1 Remove tools and waste materials on completion of Work, and leave work area in clean and orderly condition.

- .2 Clean-up work area as work progresses.
- .3 Source separate materials to be reused/recycled into specified sort areas.

END OF SECTION

Part 1 General

1.1 INSPECTION AND DECLARATION

- .1 Contractor's Inspection: Contractor and Subcontractors: conduct inspection of Work, identify deficiencies and defects, and repair as required to conform to Contract Documents.
 - .1 Notify Departmental Representative in writing of satisfactory completion of Contractor's Inspection and that corrections have been made.
 - .2 Request Departmental Representative Inspection.
- .2 Departmental Representative Inspection: Departmental Representative and Contractor will perform inspection of Work to identify obvious defects or deficiencies. Contractor to correct Work accordingly.
- .3 Completion: submit written certificate that following have been performed:
 - .1 Work has been completed and inspected for compliance with Contract Documents.
 - .2 Defects have been corrected and deficiencies have been completed.
 - .3 Equipment and systems have been tested, adjusted and balanced and are fully operational.
 - .4 Work is complete and ready for final inspection.
- .4 Final Inspection: when items noted above are completed, request final inspection of Work by Departmental Representative, Consultants and Contractor. If Work is deemed incomplete by Departmental Representative, complete outstanding items and request re-inspection.
- .5 Where re-inspection is required due to uncompleted deficiencies, the time required by the Departmental Representative and Consultants will be recorded and reimbursement of this time may be charged back to the Contractor by deducting from amounts retained.

1.2 CLEANING

- .1 In accordance with Section 01 74 11 - Cleaning.
- .2 Remove waste and surplus materials, rubbish and construction facilities from the site in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal.

END OF SECTION

Part 1 General

1.1 SUBMITTALS

- .1 Submittals: in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Prepare instructions and data using personnel experienced in maintenance and operation of described products.
- .3 Copy will be returned after final inspection, with Departmental Representative's comments.
- .4 Revise content of documents as required prior to final submittal.
- .5 Two weeks prior to Substantial Performance of the Work, submit to the Departmental Representative, four final copies of operating and maintenance manuals in English.
- .6 Ensure spare parts, maintenance materials and special tools provided are new, undamaged or defective, and of same quality and manufacture as products provided in Work.
- .7 Furnish evidence, if requested, for type, source and quality of products provided.
- .8 Defective products will be rejected, regardless of previous inspections. Replace products at own expense.
- .9 Pay costs of transportation.

1.2 FORMAT

- .1 Organize data as instructional manual.
- .2 Provide three (3) bound copies and one (1) PDF copy on DVD or CD.
- .3 Binders: cloth, hard covered, expandable, loose leaf paper size 219 x 279 mm. Colour "black." Provide three (3) copies.
- .4 Cover: identify each binder with type or printed title 'Project Record Documents'; list title of project and identify subject matter of contents. Lettering to be "gold" colour.
- .5 Provide printed title on DVD/CD version to coincide with title on bound version.
- .6 Arrange content by systems, under Section numbers and sequence of Table of Contents.
- .7 Provide tabbed fly leaf for each separate product and system, with typed description of product and major component parts of equipment.
- .8 Text: manufacturer's printed data, or typewritten data.
- .9 Drawings: provide with reinforced punched binder tab. Bind in with text; fold larger drawings to size of text pages.

1.3 CONTENTS - EACH VOLUME

- .1 Table of Contents: provide title of project;
 - .1 Date of submission; names.
 - .2 Addresses, and telephone numbers of Consultant and Contractor with name of responsible parties.
 - .3 Schedule of products and systems, indexed to content of volume.
- .2 For each product or system:
 - .1 List names, addresses and telephone numbers of subcontractors and suppliers, including local source of supplies and replacement parts.
- .3 Shop Drawings: illustrating details of a portion of work.
- .4 Product Data: mark each sheet to identify specific products and component parts, and data applicable to installation; delete inapplicable information.
- .5 Drawings: supplement product data to illustrate relations of component parts of equipment and systems, to show control and flow diagrams.
- .6 Typewritten Text: as required to supplement product data. Provide logical sequence of instructions for each procedure, incorporating manufacturer's instructions specified in Section 01 45 00 - Quality Control.

1.4 AS-BUILTS AND SAMPLES

- .1 Maintain, in addition to requirements in General Conditions, at site for Departmental Representative one record copy of:
 - .1 Contract Drawings.
 - .2 Specifications.
 - .3 Addenda.
 - .4 Change Orders and other modifications to Contract.
 - .5 Reviewed shop drawings, product data, and samples.
 - .6 Field test records.
 - .7 Inspection certificates.
 - .8 Manufacturer's certificates.
- .2 Store record documents and samples in field office apart from documents used for construction. Provide files, racks, and secure storage.
- .3 Label record documents and file in accordance with Section number listings in List of Contents of this Project Manual. Label each document "PROJECT RECORD" in neat, large, printed letters.
- .4 Maintain record documents in clean, dry and legible condition. Do not use record documents for construction purposes.
- .5 Keep record documents and samples available for inspection by Departmental Representative.

1.5 RECORDING ACTUAL SITE CONDITIONS

- .1 Record information on set of opaque drawings, provided by Departmental Representative.
- .2 Provide felt tip marking pens, maintaining separate colours for each major system, for recording information.
- .3 Record information concurrently with construction progress. Do not conceal Work until required information is recorded.
- .4 Contract Drawings and shop drawings: mark each item to record actual construction, including:
 - .1 Field changes of dimension and detail.
 - .2 Changes made by change orders.
 - .3 Details not on original Contract Drawings.
 - .4 References to related shop drawings and modifications.
- .5 Specifications: mark each item to record actual construction, including:
 - .1 Manufacturer, trade name, and catalogue number of each product actually installed, particularly optional items and substitute items.
 - .2 Changes made by Addenda and change orders.
- .6 Other Documents: maintain manufacturer's certifications, inspection certifications, and field test records, required by individual specifications sections.

1.6 MATERIALS AND FINISHES

- .1 Building Products, Applied Materials, and Finishes: include product data, with catalogue number, size, composition, and colour and texture designations. Provide information for re-ordering custom manufactured products.
- .2 Instructions for cleaning agents and methods, precautions against detrimental agents and methods, and recommended schedule for cleaning and maintenance.
- .3 Moisture-Protection and Weather-Exposed Products: include manufacturer's recommendations for cleaning agents and methods, precautions against detrimental agents and methods, and recommended schedule for cleaning and maintenance.
- .4 Additional Requirements: as specified in individual specifications sections.

1.7 SPARE PARTS

- .1 Provide spare parts, in quantities specified in individual specification sections.
- .2 Provide items of same manufacture and quality as items in Work.
- .3 Deliver to location as directed; place and store.
- .4 Receive and catalogue items. Submit inventory listing to Departmental Representative. Include approved listings in Maintenance Manual.
- .5 Obtain receipt for delivered products and submit prior to final payment.

1.8 MAINTENANCE MATERIALS

- .1 Provide maintenance and extra materials, in quantities specified in individual specification sections.
- .2 Provide items of same manufacture and quality as items in Work.
- .3 Deliver to location as directed; place and store.
- .4 Receive and catalogue items. Submit inventory listing to Departmental Representative. Include approved listings in Maintenance Manual.
- .5 Obtain receipt for delivered products and submit prior to final payment.

1.9 SPECIAL TOOLS

- .1 Provide special tools, in quantities specified in individual specification section.
- .2 Provide items with tags identifying their associated function and equipment.
- .3 Deliver to location as directed; place and store.
- .4 Receive and catalogue items. Submit inventory listing to Departmental Representative. Include approved listings in Maintenance Manual.

1.10 STORAGE, HANDLING AND PROTECTION

- .1 Store spare parts, maintenance materials, and special tools in manner to prevent damage or deterioration.
- .2 Store in original and undamaged condition with manufacturer's seal and labels intact.
- .3 Store components subject to damage from weather in weatherproof enclosures.
- .4 Store paints and freezable materials in a heated and ventilated room.
- .5 Remove and replace damaged products at own expense and to satisfaction of Departmental Representative.

1.11 WARRANTIES AND BONDS

- .1 Submit, warranty information made available during construction phase, to Departmental Representative for approval prior to each monthly pay estimate.
- .2 Assemble approved information in binder and submit upon acceptance of work. Organize binder as follows:
 - .1 Separate each warranty or bond with index tab sheets keyed to Table of Contents listing.
 - .2 List subcontractor, supplier, and manufacturer, with name, address, and telephone number of responsible principal.
 - .3 Obtain warranties and bonds, executed in duplicate by subcontractors, suppliers, and manufacturers, within ten days after completion of applicable item of work.

- .4 Verify that documents are in proper form, contain full information, and are notarized.
- .5 Co-execute submittals when required.
- .6 Retain warranties and bonds until time specified for submittal.
- .3 Except for items put into use with Owner's permission, leave date of beginning of time of warranty until Date of Substantial Performance is determined.
- .4 Respond in a timely manner to oral or written notification of required construction warranty repair work.
- .5 Written verification will follow oral instructions. Failure to respond will be cause for the Departmental Representative to proceed with action against Contractor.

1.12 PRE-WARRANTY CONFERENCE

- .1 Meet with Departmental Representative, to develop understanding of requirements of this section. Schedule meeting prior to contract completion, and at time designated by Departmental Representative.
- .2 Departmental Representative will establish communication procedures for:
 - .1 Notification of construction warranty defects.
 - .2 Determine priorities for type of defect.
 - .3 Determine reasonable time for response.
- .3 Provide name, telephone number and address of licensed and bonded company that is authorized to initiate and pursue construction warranty work action.
- .4 Ensure contact is located within local service area of warranted construction, is continuously available, and is responsive to inquiries for warranty work action.

END OF SECTION

Part 1 General

1.1 REFERENCES

- .1 Canadian Standards Association (CSA International)
 - .1 CSA S350-M1980(R1998), Code of Practice for Safety in Demolition of Structures.

1.2 SUBMITTALS

- .1 Submit shop drawings in accordance with Sections 01 33 00 - Submittal Procedures.
- .2 Before proceeding with demolition of load bearing walls or of other walls and where required by authority having jurisdiction submit for review by Departmental Representative shoring and underpinning drawings prepared by qualified professional engineer registered or licensed in the Province of Saskatchewan, showing proposed method.
- .3 Prior to beginning of Work on site submit detailed Waste Reduction Workplan in accordance with Sections 01 74 21 - Construction/Demolition Waste Management and Disposal and indicate:
 - .1 Descriptions of and anticipated quantities of materials to be salvaged reused, recycled and landfilled.
 - .2 Schedule of selective demolition.
 - .3 Number and location of dumpsters.
 - .4 Anticipated frequency of tipping.
 - .5 Name and address of haulers, waste facilities, and waste receiving organizations.

1.3 WASTE MANAGEMENT AND DISPOSAL

- .1 Separate waste materials for reuse and recycling in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal.

1.4 SITE CONDITIONS

- .1 Review "Assessment Report" appended to Section 01 35 29 Health and Safety Requirements, and take precautions to protect environment.
- .2 Should material resembling spray or trowel-applied asbestos or other designated substance listed as hazardous be encountered, stop work, take preventative measures, and notify Departmental Representative immediately.
 - .1 Do not proceed until written instructions have been received from Departmental Representative.
- .3 Notify Departmental Representative before disrupting building access or services.

Part 2 Execution

2.1 PREPARATION

- .1 Inspect building and site with Departmental Representative and verify extent and location of items designated for removal, disposal, alternative disposal, recycling, salvage and items to remain.

2.2 PROTECTION

- .1 Prevent movement, settlement, or damage to adjacent structures, utilities, landscaping features, and parts of building to remain in place. Provide bracing and shoring required.
- .2 Keep noise, dust, and inconvenience to occupants to minimum.
- .3 Protect building systems, services and equipment.
- .4 Provide temporary dust screens, covers, railings, supports and other protection as required.

2.3 SALVAGE

- .1 Refer to demolition drawings and specifications for items to be salvaged for reuse.
- .2 Remove items to be reused, store as directed by Departmental Representative, and re-install under appropriate section of specification.

2.4 DEMOLITION

- .1 Remove parts of existing building to permit new construction. Sort materials into appropriate piles for salvage, reuse and recycling.
- .2 Trim edges of partially demolished building elements to tolerances as defined by Departmental Representative to suit future use.

2.5 DISPOSAL

- .1 Dispose of removed materials, to appropriate recycling facilities except where specified otherwise, in accordance with authority having jurisdiction.

END OF SECTION

Part 1 General

1.1 REFERENCES

- .1 Canadian Standards Association (CSA International)
 - .1 CSA B111-1974(R1998), Wire Nails, Spikes and Staples.
 - .2 CAN/CSA-G164-M92(R1998), Hot Dip Galvanizing of Irregularly Shaped Articles.
 - .3 CSA O121-M1978(R1998), Douglas Fir Plywood.
 - .4 CAN/CSA-O141-91(R1999), Softwood Lumber.
 - .5 CSA O151-M1978(R1998), Canadian Softwood Plywood.
 - .6 CAN/CSA-O325.0-92(R1998), Construction Sheathing.
- .2 National Lumber Grades Authority (NLGA)
 - .1 Standard Grading Rules for Canadian Lumber 2000.

1.2 QUALITY ASSURANCE

- .1 Lumber identification: by grade stamp of an agency certified by Canadian Lumber Standards Accreditation Board.
- .2 Plywood identification: by grade mark in accordance with applicable CSA standards.
- .3 Plywood, OSB and wood based composite panel construction sheathing identification: by grademark in accordance with applicable CSA standards.

Part 2 Products

2.1 LUMBER MATERIAL

- .1 Lumber: unless specified otherwise, softwood, S4S, moisture content 19% or less in accordance with following standards:
 - .1 CAN/CSA-O141.
 - .2 NLGA Standard Grading Rules for Canadian Lumber.
- .2 Furring, blocking, nailing strips, grounds, rough bucks, nailers, and blocking:
 - .1 S2S is acceptable for concealed locations.
 - .2 Board sizes: "Standard" or better grade.
 - .3 Dimension sizes: "Standard" light framing or better grade.
 - .4 Post and timbers sizes: "Standard" or better grade.
- .3 Treated Lumber
 - .1 CSA 080

2.2 PANEL MATERIALS

- .1 Douglas fir plywood (DFP): to CSA O121, standard construction.

- .2 Canadian softwood plywood (CSP): to CSA O151, standard construction.
- .3 Plywood, OSB and wood based composite panels: to CAN/CSA-O325-07.
- .4 Equipment mounting boards: Plywood: Birch veneer, particle board core, paint grade.

2.3 ACCESSORIES

- .1 Nails, spikes and staples: to CSA B111.
- .2 Bolts: 12.5 mm diameter unless indicated otherwise, complete with nuts and washers.
- .3 Proprietary fasteners: toggle bolts, expansion shields and lag bolts, screws and lead or inorganic fibre plugs, recommended for purpose by manufacturer.

2.4 FINISHES

- .1 Galvanizing: to CAN/CSA-G164, use galvanized fasteners for exterior work and interior highly humid areas such as in Change Rooms and Shower areas.
- .2 Pressure treated: For use on wood installed on exterior side of vapour barrier only

2.5 WOOD PRESERVATIVE

- .1 For use on wood installed on exterior side of vapour barrier only.
- .2 Surface-applied wood preservative: coloured, copper napthenate.

Part 3 Execution

3.1 PREPARATION

- .1 Treat cut surfaces of material with wood preservative, before installation. Treat only wood to be installed on exterior side of building air barrier.
- .2 Apply preservative by dipping, or by brush to completely saturate and maintain wet film on surface for minimum 3 minute soak on lumber and one minute soak on plywood.
- .3 Re-treat surfaces exposed by cutting, trimming or boring with liberal brush application of preservative before installation.
- .4 Provide treated material as follows :
 - .1 Rough bucks, blocking, nailers and as noted on drawings.

3.2 INSTALLATION

- .1 Comply with requirements of NBC, supplemented by the following paragraphs.
- .2 Align and plumb faces of furring and blocking to tolerance of 1:600.
- .3 Install rough bucks, nailers and linings to rough openings as required to provide backing for window frames and other work, as indicated on drawings.

- .4 Install wood backing, nailers, curbs and other wood supports as required and secure using galvanized fasteners..

3.3 ERECTION

- .1 Frame, anchor, fasten, tie and brace members to provide necessary strength and rigidity.
- .2 Countersink bolts where necessary to provide clearance for other work.

END OF SECTION

Part 1 General

1.1 REFERENCES

- .1 American National Standards Institute (ANSI)
 - .1 ANSI/NPA A208.1-1999, Particleboard.
 - .2 ANSI A208.2-02, Medium Density Fiberboard (MDF) for Interior Applications.
 - .3 ANSI/HPVA HP-1-04, Standard for Hardwood and Decorative Plywood.
- .2 American Society for Testing and Materials International (ASTM)
 - .1 ASTM A653/A653M-02 Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process
- .3 Architectural Woodwork Manufacturers Association of Canada (AWMAC) and Architectural Woodwork Institute (AWI)
 - .1 Architectural Woodwork Quality Standards Illustrated, 8th edition, Version 1.0 (2005).
- .4 Canadian Standards Association (CSA International)
 - .1 CSA B111-74 (R2003), Wire Nails, Spikes and Staples.
 - .2 CSA O115- M1982 (R2001) Hardwood and Decorative Plywood
 - .3 CSA O121-M89 (R2003), Douglas Fir Plywood.
 - .4 CAN/CSA O141-91, Softwood Lumber

1.2 PERFORMANCE REQUIREMENTS

- .1 Perform architectural casework work in accordance with the recommendations of the "Architectural Woodwork Quality Standards Illustrated" of the Architectural Woodwork Institute and Architectural Woodwork Manufacturers Association of Canada (AWMAC), 2009 Edition, together with authorized additions and amendments.
- .2 Where modifications to the AWMAC Quality Standards are included in this project specification, then such modifications shall govern in case of conflict.
- .3 Materials and installation shall be in metric measurement as specified.

1.3 SUBMITTALS

- .1 Provide submittal submissions in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Provide samples in accordance with Section 01 33 00 - Submittal Procedures.
 - .1 Provide sample of finish trim with finish coating applied.
- .3 Provide copies of maintenance instructions for incorporation into Operating and Maintenance Manuals in accordance with Section 01 78 00 - Closeout Submittals.

- .1 Instructions are to include manufacturer's recommended materials and methods for cleaning, including precautions in the use of cleaning materials that may be detrimental to surface if improperly applied.
- .2 Maintenance data is to include materials and finishes used for architectural finish woodwork.

1.4 QUALITY ASSURANCE

- .1 Lumber by grade stamp of an agency certified by Canadian Lumber Standards Accreditation Board.
- .2 Plywood, particleboard, OSB and wood based composite panels in accordance with CSA and ANSI standards.
- .3 Delivery, Storage, and Handling:
 - .1 Deliver, handle, store and protect materials of this Section in accordance with Section 01 61 00 - Common Product Requirements.

Part 2 Products

2.1 LUMBER MATERIALS

- .1 Use clean stock only and comply with AWMAC Quality Standards.
- .2 Hardwood: "Select White" Birch, conforming to requirements to AWMAC, Custom Grade, for a clear finish, profile as indicated on drawings. 19mm thickness by size to suit. Submit samples, 300 mm long of each type of moulding and trim to be used, for approval, before ordering any moulding or trim material.

2.2 SHEET MATERIALS

- .1 Hardwood Plywood: Conforming to requirements of CSA-O115 and graded in accordance with AWMAC, of thicknesses indicated on drawings.
 - .1 Core: Moisture resistant Particleboard.
 - .2 Veneer: Select White Birch, G2S.
- .2 Wood Particleboard: Minimum 720 kg/m³ density, conforming to requirements of ANSI A208.2, Grade M2 or better with high waterproof resin binders of grade to suit application, sanded faces, of thicknesses indicated on drawings.
- .3 Solid Wood Edge: Select White Birch. 6mm thickness. Very slightly bullnose edges.
- .4 Nails and staples: to CSA B111
- .5 Wood screws: plain, type and size to suit application.
- .6 Splines: as determined by manufacturer
- .7 Sealant: in accordance with Section 07 92 00 - Joint Sealants.

Part 3 Execution

3.1 INSTALLATION

- .1 Do architectural woodwork to Quality Standards of the Architectural Woodwork Manufacturers Association of Canada (AWMAC), except where specified otherwise.
- .2 Scribe and cut as required to fit abutting walls and to fit properly into recesses and to accommodate piping, columns, fixtures, outlets or other projecting, intersecting or penetrating objects.

3.2 FINISHING

- .1 Trim and sills to be finished with a clear varnish; satin finish in accordance with Section 09 91 23 Interior Painting.

3.3 CLEANING

- .1 Proceed in accordance with Section 01 74 11 – Cleaning.

3.4 PROTECTION

- .1 Protect work from damage until final inspection.

END OF SECTION

Part 1 General

1.1 SUBMITTALS

- .1 Provide submittals in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Product Data:
 - .1 Submit manufacturer's printed product literature, specifications and datasheets.

1.2 QUALITY ASSURANCE

- .1 Mock-Ups:
 - .1 Submit mock-ups in accordance with Section 01 45 00 - Quality Control.
 - .2 Convene pre-installation meeting prior to construction of mock-up.
 - .3 Install mock-up at one window opening on the 1st floor and at one window opening on the 2nd floor, using approved air barrier assemblies including fasteners, flashing, tape and related accessories per manufacturer's current printed instructions and recommendations.
 - .4 Mock-up will be used to judge workmanship, substrate preparation, and material application.
- .2 When accepted, mock-up will demonstrate minimum standard of quality required for this work. Approved mock-up may remain as part of finished work.
- .3 Allow 48 h for inspection of mock-up by Consultant before proceeding with air/vapour barrier Work.

1.3 SEQUENCING

- .1 Sequence work to permit installation of materials in conjunction with related materials and seals.

Part 2 Products (Air and Vapour Barrier for Roofing is specified in Section 07 54 19 - Polyvinyl-Chloride Roofing)

2.1 SHEET AIR VAPOUR BARRIER

- .1 Self-Adhesive SBS rubberized asphalt laminated to high-density polyethylene film, minimum nominal total thickness of 1.0 mm.
 - .1 Soprema: Sopraseal Stick 1100T
 - .2 IKO: AquabARRIER AVB
 - .3 Carlisle: CCW 705 A/V Barrier

2.2 ACCESSORIES-SHEET VAPOUR BARRIERS

- .1 Sealant: compatible with air barrier materials, recommended by air barrier manufacturer. Refer to Section 07 92 00 - Joint Sealing.

- .2 Foam Seal: Spray-applied low expanding polyurethane foam insulation/air/vapour barrier. Provide written assurance from window manufacturer that spray foam insulation product is acceptable to the manufacturer.
- .3 Primer: Appropriate to application.

Part 3 Execution

3.1 EXAMINATION

- .1 Verify substrate and surface conditions are in accordance with manufacturer recommended tolerances prior to installation of barrier and accessories.

3.2 INSTALLATION - SHEET AIR VAPOUR BARRIER

- .1 Preparation
 - .1 Remove loose or foreign matter which might impair adhesion of materials.
 - .2 Ensure all substrates are clean of oil or excess dust; all masonry joints struck flush, and open joints filled; and all concrete surfaces free of large voids, spalled areas or sharp protrusions.
 - .3 Ensure all substrates are free of surface moisture prior to application of self-adhesive membrane and primer.
 - .4 Ensure metal closures are free of sharp edges and burrs.
 - .5 Prime substrate surfaces to receive adhesive in accordance with manufacturer's instructions.
- .2 Installation
 - .1 Refer to drawings for locations of sheet air/vapour barrier, typical throughout unless noted otherwise.
 - .2 Install materials in accordance with manufacturer's instructions to create a continuous seal between all material junctions within the building envelope.
 - .3 Apply sealants and primers within recommended application temperature ranges. Consult manufacturer when products cannot be applied within these temperature ranges.

3.3 CLEANING

- .1 Proceed in accordance with Section 01 74 11 – Cleaning.
- .2 Upon completion and verification of performance of installation, remove surplus materials, excess materials, rubbish, tools and equipment.

END OF SECTION

Part 1 General

1.1 REFERENCES

- .1 Canadian General Standards Board (CGSB)
 - .1 CGSB 19-GP-5M-1984, Sealing Compound, One Component, Acrylic Base, Solvent Curing (Issue of 1976 reaffirmed, incorporating Amendment No. 1).
 - .2 CAN/CGSB-19.13-M87, Sealing Compound, One-component, Elastomeric, Chemical Curing.
 - .3 CGSB 19-GP-14M-1984, Sealing Compound, One Component, Butyl-Polyisobutylene Polymer Base, Solvent Curing (Reaffirmation of April 1976).
 - .4 CAN/CGSB-19.17-M90, One-Component Acrylic Emulsion Base Sealing Compound.
 - .5 CAN/CGSB-19.24-M90, Multi-component, Chemical Curing Sealing Compound.
- .2 Health Canada/Workplace Hazardous Materials Information System (WHMIS)
 - .1 Material Safety Data Sheets (MSDS).

1.2 SUBMITTALS

- .1 Submit product data in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Product Data
 - .1 Manufacturer's product to describe.
 - .1 Caulking compound.
 - .2 Primers.
 - .3 Sealing compound, each type, including compatibility when different sealants are in contact with each other.
 - .2 Submit manufacturer's instructions in accordance with Section 01 33 00 - Submittal Procedures.
 - .1 Instructions to include installation instructions for each product used.
- .3 Samples:
 - .1 Submit samples in accordance with Section 01 33 00 - Submittal Procedures.
 - .2 Submit duplicate samples of each type of material and colour.
 - .3 Submit cured samples of exposed sealants for each color where required to match adjacent material.
- .4 Maintenance Manuals:
 - .1 Conform to Section 01 78 00 - Closeout Submittals.

1.3 DELIVERY, STORAGE, AND HANDLING

- .1 Deliver, handle, store and protect materials in accordance with Section 01 61 00 - Common Product Requirements.

- .2 Deliver and store materials in original wrappings and containers with manufacturer's seals and labels, intact. Protect from freezing, moisture, water and contact with ground or floor.

1.4 PROJECT CONDITIONS

- .1 Environmental Limitations:
 - .1 Do not proceed with installation of joint sealants under following conditions:
 - .1 When ambient and substrate temperature conditions are outside limits permitted by joint sealant manufacturer or are below 5 degrees C.
 - .2 When joint substrates are wet.
 - .2 Joint-Width Conditions:
 - .1 Do not proceed with installation of joint sealants where joint widths are less than those allowed by joint sealant manufacturer for applications indicated.
 - .3 Joint-Substrate Conditions:
 - .1 Do not proceed with installation of joint sealants until contaminants capable of interfering with adhesion are removed from joint substrates.

1.5 ENVIRONMENTAL REQUIREMENTS

- .1 Conform to manufacturer's recommended temperatures, relative humidity, and substrate moisture content for application and curing of sealants including special conditions governing use.

Part 2 Products

2.1 SEALANT MATERIALS

- .1 Do not use caulking that emits strong odours, contains toxic chemicals or is not certified as mould resistant in air handling units.
- .2 When low toxicity caulks are not possible, confine usage to areas which offgas to exterior, are contained behind air barriers, or are applied several months before occupancy to maximize offgas time.
- .3 Where sealants are qualified with primers use only these primers.

2.2 SEALANT TYPES

- .1 Type 1 -Urethanes Multi-Part. – (At exterior perimeter window openings)
 - .1 Non-Sag to CAN/CGSB-19.24, Type 2, Class B, colour as selected by Consultant from standard range of manufacturer's colours.
 - .1 Acceptable material: Tremco "Dymeric 240",
- .2 Type 4 -Acrylic Latex One Part. – (At interior window perimeter location)
 - .1 To CAN/CGSB-19.17.

2.3 PREFORMED COMPRESSIBLE AND NON-COMPRESSIBLE BACK-UP MATERIALS.

- .1 Polyethylene, Urethane, Neoprene or Vinyl Foam.
 - .1 Extruded open closed cell foam backer rod.
 - .2 Size: oversize 30 to 50 %.
- .2 Neoprene or Butyl Rubber.
 - .1 Round solid rod, Shore A hardness 70.
- .3 High Density Foam.
 - .1 Extruded closed cell polyvinyl chloride (PVC), extruded polyethylene, closed cell, Shore A hardness 20, tensile strength 140 to 200 kPa, extruded polyolefin foam, 32 kg/m³ density, or neoprene foam backer, size as recommended by manufacturer.
- .4 Bond Breaker Tape.
 - .1 Polyethylene bond breaker tape which will not bond to sealant.

2.4 SEALANT SELECTION

- .1 Exterior sealant: Sealant type: 1 (colour to be selected by consultant).
- .2 Perimeters of interior window and door frames, base of interior door frames between frame and floor finish: Sealant type: 4.
- .3 In additional locations as noted on the drawings: confirm with Consultant.

2.5 JOINT CLEANER

- .1 Non-corrosive and non-staining type, compatible with joint forming materials and sealant recommended by sealant manufacturer.
- .2 Primer: as recommended by manufacturer.

Part 3 Execution

3.1 PROTECTION

- .1 Protect installed Work of other trades from staining or contamination.

3.2 SURFACE PREPARATION

- .1 Examine joint sizes and conditions to establish correct depth to width relationship for installation of backup materials and sealants.
- .2 Clean bonding joint surfaces of harmful matter substances including dust, rust, oil grease, and other matter that may impair Work.
- .3 Do not apply sealants to joint surfaces treated with sealer, curing compound, water repellent, or other coatings unless tests have been performed to ensure compatibility of materials. Remove coatings as required.
- .4 Ensure joint surfaces are dry and frost free.

- .5 Prepare surfaces in accordance with manufacturer's directions.

3.3 PRIMING

- .1 Where necessary to prevent staining, mask adjacent surfaces prior to priming and caulking.
- .2 Prime sides of joints in accordance with sealant manufacturer's instructions immediately prior to caulking.

3.4 BACKUP MATERIAL

- .1 Apply bond breaker tape where required to manufacturer's instructions.
- .2 Install joint filler to achieve correct joint depth and shape, with approximately 30% compression.

3.5 MIXING

- .1 Mix materials in strict accordance with sealant manufacturer's instructions.

3.6 APPLICATION

- .1 Sealant.
 - .1 Apply sealant in accordance with manufacturer's written instructions.
 - .2 Depth of joint ratio to width of joint to be in accordance with sealant manufacturer's written instruction.
 - .3 Mask edges of joint where irregular surface or sensitive joint border exists to provide neat joint.
 - .4 Apply sealant in continuous beads.
 - .5 Apply sealant using gun with proper size nozzle.
 - .6 Use sufficient pressure to fill voids and joints solid.
 - .7 Form surface of sealant with full bead, smooth, free from ridges, wrinkles, sags, air pockets, embedded impurities.
 - .8 Tool exposed surfaces before skinning begins to give slightly concave shape.
 - .9 Remove excess compound promptly as work progresses and upon completion.
- .2 Curing.
 - .1 Cure sealants in accordance with sealant manufacturer's instructions.
 - .2 Do not cover up sealants until proper curing has taken place.
- .3 Cleanup.
 - .1 Clean adjacent surfaces immediately and leave Work neat and clean.
 - .2 Remove excess and droppings, using recommended cleaners as work progresses.
 - .3 Remove masking tape after initial set of sealant.

END OF SECTION

Part 1 General

1.1 REFERENCES

- .1 Canadian General Standards Board (CGSB)
 - .1 CAN/CGSB-1.40-97, Anticorrosive Structural Steel Alkyd Primer.
 - .2 CAN/CGSB-12.1-M90, Tempered or Laminated Safety Glass.
 - .3 CAN/CGSB-12.3-M91, Flat, Clear Float Glass.
 - .4 CAN/CGSB-12.8-97, Insulating Glass Units.
 - .5 CAN/CGSB-12.20-M89, Structural Design of Glass for Buildings.
 - .6 CAN/CGSB-79.1-M91, Insect Screens.
- .2 Canadian Standards Association (CSA) International
 - .1 CSA A440-11, NAFS - North American Fenestration Standard/Specification for Windows, Doors, and Skylights.
 - .2 CAN/CSA G164-M92(R2003), Hot Dip Galvanizing of Irregularly Shaped Articles.

1.2 PERFORMANCE REQUIREMENTS

- .1 Design and size components to withstand dead and live loads caused by pressure and suction of wind, acting normal to plane of system as calculated in accordance with NBC to a design pressure windload per 30 year occurrence.
- .2 Limit mullion deflection to $L/175$; with full recovery of glazing materials.
- .3 Size glass units and glass dimensions to limits established in CAN/CGSB-12.20.
- .4 Drain water entering joints, condensation occurring in glazing channels, or migrating moisture occurring within system, to the exterior by a weep drainage network.
- .5 Maintain continuous air barrier and vapour retarder throughout assembly, primarily in line with inside pane of glass and heel bead of glazing compound.
- .6 Overall Thermal Resistance of:
 - .1 Total system maximum U-value: $1.60 \text{ W/m}^2\text{K}$.

1.3 SUBMITTALS

- .1 Shop drawings:
 - .1 Submit shop drawings in accordance with Section 01 33 00 - Submittal Procedures.
 - .2 Indicate materials and details in full size scale for head, jamb and sill, profiles of components, interior and exterior trim junction between combination units elevations of unit, anchorage details, location of isolation coating, description of related components and exposed finishes fasteners, and caulking. Indicate location of manufacturer's nameplates.
- .2 Samples:

- .1 Submit samples in accordance with Section 01 33 00 - Submittal Procedures.
 - .2 Submit samples from manufacture's standard range of colours.
 - .3 Submit one representative model of each type window (operable and fixed).
 - .4 Include frame, sash, sill, glazing and weatherproofing method, insect screens, surface finish and hardware. Show location of manufacturer's nameplates.
- .3 Test reports:
- .1 Submit test reports from approved independent testing laboratories, certifying compliance with specifications, for:
 - .1 Air tightness
 - .2 Water tightness
 - .3 Wind load resistance
 - .4 Mullion deflection - combination and composite windows. – Less than 1/175 of span.

1.4 QUALITY ASSURANCE

- .1 Mock-ups:
- .1 Construct mock-ups in accordance with Section 01 45 00 - Quality Control.
 - .2 Construct mock-up to including window frame, glass glazing, and perimeter air barrier and vapour retarder.
 - .3 Mock-up will be used:
 - .1 To judge workmanship, substrate preparation, operation of equipment and material application.
 - .2 For testing to determine compliance with performance requirements (testing will be at the discretion of the Departmental Representative).
 - .4 Locate where directed.
 - .5 Allow 48 hours for inspection of mock-up before proceeding with work.
 - .6 When accepted, mock-up will demonstrate minimum standard of quality required for this work. Approved mock-up may remain as part of finished work.
- .2 Pre-installation Meetings: conduct pre-installation meeting to verify project requirements, manufacturer's installation instructions and manufacturer's warranty requirements.

1.5 REMOVAL OF EXISTING WINDOW UNITS

- .1 Remove existing wood double hung window units and prepare opening to receive new windows.
- .2 Refer to drawings for existing window arrangement.

1.6 WASTE MANAGEMENT AND DISPOSAL

- .1 Separate and recycle waste materials in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal.
- .2 Divert unused caulking and sealant materials from landfill through disposal at special wastes depot.

- .3 Unused or damaged glazing materials are not recyclable and must not be diverted to municipal recycling programs.
- .4 Remove from site and dispose of packaging materials at appropriate recycling facilities.
- .5 Dispose of corrugated cardboard, polystyrene, and plastic packaging material in appropriate on-site bin for recycling in accordance with site waste management program.

1.7 CLOSEOUT SUBMITTALS

- .1 Provide operation and maintenance data for windows for incorporation into manual specified in Section 01 78 00 - Closeout Submittals.

1.8 MANUFACTURER'S WARRANTY

- .1 Provide manufacturer's written warranty that frame will not warp, shrink, dent, twist, bow or rot under normal conditions and use for a period of 25 years and against aging and maintenance of window finish for a period of 10 years from date of acceptance of installation.
- .2 Sealed glazing units shall be warranted against failure of the air seal due to defects in material or workmanship for a period of 20 years from date of acceptance of installation.

Part 2 Products

2.1 MATERIALS

- .1 Materials: to CSA A440 supplemented as follows:
 - .2 All windows by same manufacturer.
 - .3 Fibreglass frame and sash shall be made from 60 to 85% glass fibres and 15 to 35% resin.
 - .1 Main frame: pultruded fiberglass thermally broken and insulated with expanded polystyrene (Type 1) insulation. To sizes indicated on drawings. Finish shall be non-chalking and non-yellowing, U/V resistant. Colour "White". Provide samples for selection.
 - .2 Sash: pultruded fiberglass thermally broken and insulated with expanded polystyrene (Type 1) insulation. To sizes indicated on drawings. Finish shall be non-chalking and non-yellowing, U/V resistant. Colour to match window frame.
 - .4 Insulating glass units: to CAN/CGSB 12.8, triple glazed unit; 38 mm overall thickness.
 - .1 Glass: to CAN/CGSB 12.1 and 12.3.
 - .2 Glass thickness: sized to in CAN/CGSB-12.20 and National Building Code to 1 in 50 hourly wind pressure level of 0.75 kPa – Open Terrain.
 - .3 Exterior lite:
 - .1 Heat strengthened.
 - .2 Colour clear.
 - .4 Inter cavity space thickness: 12.5 mm
 - .5 Interior Lites:

- .1 Heat strengthened.
- .2 Low-E Glass coating: PPG “Solar Ban 60” soft coat low ‘e’
- .3 Colour: clear.
- .4 Coating surface #2 and surface #5.
- .6 Inert gas fill: argon.
- .7 Spacer: warm edge spacer PPG “Intercept” Black colour.
- .8 U-value of sealed unit 0.18
- .9 Solar Heat Gain Coefficient: 0.24
- .10 Visible Transmittance: 0.41
- .5 Screens: to CAN/CGSB-79.1.
 - .1 Insect screening mesh: count 18 x 16, glassfibre mesh. (black)
 - .2 Fasteners: tamper proof.
 - .3 Screen frames: aluminum colour to match window frames.
 - .4 Mount screen frames for interior replacement.
- .6 Interior jambs/sills: provide jamb/sill extension on interior as indicated and to suit conditions. Colour to match window frames.
- .7 Interior trim: clear birch wood trim to sizes as indicated on drawings. Sill (stool) flat-sliced white birch plywood (stain grade) with 6mm solid birch edge. All finished clear polyurethane varnish (satin finish).
- .8 Exterior metal sills: extruded aluminum of type and size to suit conditions; minimum 3 mm thick, complete with anchoring devices. Finish: Duranar or PPG finish to match window frames.
- .9 Brickmould and brickmould extensions: by window manufacturer to profile and sizes as indicated; minimum 1 mm wall thickness. Colour to match window frame.
- .10 Isolation coating: alkali resistant bituminous paint.
- .11 Fasteners: all fasteners are to be stainless steel and are to be concealed.

2.2 WINDOW TYPE AND CLASSIFICATION

- .1 Types:
 - .1 Opening sash: bottom projected with triple glazing insulating glass.
 - .2 Fixed sash: with triple glazing insulating glass.
 - .3 Screens: on ventilating portion of windows.
- .2 Classification rating: to CSA A440.
 - .1 Air tightness: A3.
 - .2 Water tightness: B6.
 - .3 Wind load resistance: C3.
 - .4 Condensation resistance: Temperature Index, I 55.
 - .5 Forced Entry: F1.

- .6 Insect Screens: S1.
- .7 Glazing: G1.

2.3 FABRICATION

- .1 Fabricate in accordance with CSA A440 supplemented as follows:
- .2 Fabricate units square and true with maximum tolerance of plus or minus 1.5 mm for units with a diagonal measurement of 1800 mm or less and plus or minus 3 mm for units with a diagonal measurement over 1800 mm.
- .3 Face dimensions detailed are maximum permissible sizes.
- .4 Brace frames to maintain squareness and rigidity during shipment and installation.
- .5 Finish steel clips and reinforcement with shop coat primer to CAN/CGSB-1.40; 380 g/m² zinc coating to CAN/CSA G164.

2.4 ISOLATION COATING

- .1 Isolate aluminum from following components, by means of isolation coating:
 - .1 Dissimilar metals except stainless steel, zinc, or white bronze of small area.
 - .2 Concrete, mortar and masonry.
 - .3 Wood.

2.5 GLAZING

- .1 Glaze windows in accordance with CSA A440.

2.6 HARDWARE

- .1 Hardware: stainless steel or white bronze sash locks and aluminum handles to provide security and permit easy operation of units.
- .2 Locks: provide operating sash with spring loading locking device, to provide automatic locking in closed position.
- .3 Provide special keyed opening device for windows normally locked.
- .4 Equip projected units with roto operators with locking handle.

2.7 AIR BARRIER AND VAPOUR RETARDER

- .1 Equip window frames with factory installed air barrier and vapour retarder material for sealing to building air barrier and vapour retarder as follows:
 - .1 Material width: adequate to provide required air tightness and vapour diffusion control to building air barrier and vapour retarder from interior.
 - .2 Ensure continuity of air barrier and vapour retarder with adjacent construction.
 - .3 Refer to drawings for arrangement of air barrier.

Part 3 Execution

3.1 WINDOW INSTALLATION

- .1 Install in accordance with CSA A440.
- .2 Attach to structure to permit sufficient adjustment to accommodate existing building conditions and other irregularities.
- .3 Install products specified square, plumb and level. Center window unit in opening and secure window unit as indicated in manufacturer's written instructions. Provide alignment attachments and shims to permanently fasten system to building structure.
- .4 Arrange components to prevent abrupt variation in colour.
- .5 All fasteners are to be stainless steel and are to be concealed. Exposed heads will not be permitted.
- .6 Verify proper operation of all opening windows.
- .7 Allow for deflection of structure at head of window so structure will not impact window.

3.2 SILL INSTALLATION

- .1 Install prefinished aluminum (colour to match window frame) sills with uniform wash to exterior, level in length, straight in alignment with plumb upstands and faces. Use one piece lengths at each location.
- .2 Provide profile of sill as indicated on drawings for each condition.
- .3 Provide upstand at ends of sill and fold over to hem.
- .4 Fabricate sills to suit opening sizes.
- .5 Secure sills in place with concealed anchoring clips located at ends and mid-point; space no more than 600 mm on centre in between.

3.3 CAULKING

- .1 Seal joints between windows and window sills with sealant. Bed sill expansion joint cover plates and drip deflectors in bedding compound. Provide backer rod in gap and install sealant to thickness recommended by manufacturer for proper performing joint. Generally 1:3 thickness to width.
- .2 Seal perimeter joints of window to adjoining finish material.
- .3 Seal ends of sills at finish material.

3.4 ADJUSTING

- .1 Adjust units for smooth operation without binding or racking.
- .2 Adjust operating hardware and screens for correct operation.

3.5 CLEANING

1. Clean interior and exterior surfaces free of labels, mortar, plaster, paint, joint sealers and other foreign mater to prevent damage to weatherstripping and to prevent interference with operation or hardware.
2. Wash down surfaces with a solution of mild detergent in warm water, applied with soft, clean wiping cloths. Take care to remove dirt from corners. Wipe surfaces clean.
3. Remove excess sealant by moderate use of mineral spirits or other solvent acceptable to sealant manufacturer.

3.6 PROTECTION

- .1 Protect window unit from damage. Protect ventilators and operating parts from dirt and damage caused by subsequent construction activities. Repair or replace damages units.
- .2 Protect finished Work from damage.

3.7 SCHEDULE

1. Refer to drawings for window locations and sizes.

END OF SECTION

Part 1 General

1.1 REFERENCES

- .1 Master Performance Institute (MPI) Green Performance Standard (GPS-1-05) For Paints and Coatings

Health Canada / Workplace Hazardous Materials Information System (WHMIS)

- .1 Material Safety Data Sheets (MSDS).
- .2 Master Painters Institute (MPI)
 - .1 MPI Architectural Painting Specifications Manual, (latest version).

1.2 QUALITY ASSURANCE

- .1 Qualifications:
 - .1 Contractor: minimum of five years proven satisfactory experience. Journeymen: qualified journeymen who have "Tradesman Qualification Certificate of Proficiency" engaged in painting work.
 - .2 Apprentices: working under direct supervision of qualified trades person in accordance with trade regulations.

1.3 SUBMITTALS

- .1 Submittals in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Product Data:
 - .1 Submit product data and instructions for each paint and coating product to be used.
 - .2 Submit product data for the use and application of paint thinner.
 - .3 Submit WHMIS MSDS – Material Safety Data Sheets in accordance with Section 01 33 00 - Submittal Procedures with the VOC levels highlighted.
 - .4 Submit manufacturer's printed product literature, specifications and data sheets.
- .3 Samples:
 - .1 Submit 2 samples of each specified finish with specified paint or coating in colour, gloss/sheen and textures required to MPI Architectural Painting Specification Manual standards submitted on following substrate materials:
 - .1 150 mm long piece of trim for stain and varnish finishes
 - .2 Retain reviewed samples on-site to demonstrate acceptable standard of quality for appropriate on-site surface.
- .4 Closeout Submittals: submit maintenance data for incorporation into manual specified in Section 01 78 00 - Closeout Submittals. List products in relation to finish systems and include the following:
 - .1 Product name, type and use.

- .2 Manufacturer's product number.
- .3 Colour numbers.
- .4 MPI Environmentally Friendly classification system rating.
- .5 VOC level
- .6 Manufacturer's Material Safety Data Sheets (MSDS)
- .7 Sample panel for each paint colour identified with project colour number and manufacturer's product number.

1.4 DELIVERY, STORAGE AND HANDLING

- .1 Packing, Shipping, Handling and Unloading:
 - .1 Pack, ship, handle and unload materials in accordance with Section 01 61 00 - Common Product Requirements and manufacturer's written instructions.
- .2 Acceptance at Site:
 - .1 Identify products and materials with labels indicating:
 - .1 Manufacturer's name and address.
 - .2 Type of paint or coating.
 - .3 Compliance with applicable standard.
 - .4 Colour number in accordance with established colour schedule.
- .3 Remove damaged, opened and rejected materials from site.
- .4 Storage and Protection:
 - .1 Provide and maintain dry, temperature controlled, secure storage.
 - .2 Store materials and supplies away from heat generating devices.
 - .3 Store materials and equipment in well ventilated area with temperature range 7 degrees C to 30 degrees C.
- .5 Store temperature sensitive products above minimum temperature as recommended by manufacturer.
- .6 Keep areas used for storage, cleaning and preparation clean and orderly. After completion of operations, return areas to clean condition.
- .7 Remove paint materials from storage only in quantities required for same day use.
- .8 Fire Safety Requirements:
 - .1 Provide fire extinguisher adjacent to storage area.
 - .2 Store oily rags, waste products, empty containers and materials subject to spontaneous combustion in ULC approved, sealed containers and remove from site on a daily basis.
 - .3 Handle, store, use and dispose of flammable and combustible materials in accordance with National Fire Code of Canada requirements.

1.5 SITE CONDITIONS

- .1 Heating, Ventilation and Lighting:
 - .1 Ventilate enclosed spaces.

- .2 Where coatings are installed on site, provide heating facilities to maintain ambient air and substrate temperatures above 10 degrees C for 24 hours before, during and after paint application until paint has cured sufficiently.
- .3 Coordinate use of existing ventilation system with Consultant and ensure its operation during and after application of paint as required.
- .4 Provide temporary ventilating and heating equipment where permanent facilities are not available or supplemental ventilating and heating equipment if ventilation and heating from existing system is inadequate to meet minimum requirements.
- .5 Provide minimum lighting level of 323 Lux on surfaces to be painted.
- .2 Temperature, Humidity and Substrate Moisture Content Levels:
 - .1 Perform no painting when:
 - .1 Ambient air and substrate temperatures are below 10 degrees C.
 - .2 Substrate temperature is above 32 degrees C unless paint is specifically formulated for application at high temperatures.
 - .3 Substrate and ambient air temperatures are not expected to fall within MPI or paint manufacturer's prescribed limits.
 - .4 The relative humidity is under 85 % or when the dew point is more than 3 degrees C variance between the air/surface temperature. Paint should not be applied if the dew point is less than 3 degrees C below the ambient or surface temperature. Use sling psychrometer to establish the relative humidity before beginning paint work.
 - .5 Ensure that conditions are within specified limits during drying or curing process, until newly applied coating can itself withstand 'normal' adverse environmental factors.
 - .2 Perform finishing work when maximum moisture content of the substrate is below:
 - .1 Allow new concrete and masonry to cure minimum of 28 days.
 - .2 15 % for wood.
 - .3 12 % for plaster and gypsum board.
 - .3 Test for moisture using calibrated electronic Moisture Meter. Test concrete floors for moisture using "cover patch test".
 - .4 Test concrete, masonry and plaster surfaces for alkalinity as required.
- .3 Surface and Environmental Conditions:
 - .1 Apply coatings in areas where dust is no longer being generated by related construction operations or when wind or ventilation conditions are such that airborne particles will not affect quality of finished surface.
 - .2 Apply coatings to adequately prepared surfaces and to surfaces within moisture limits.
 - .3 Apply coatings when previous coat of paint is dry or adequately cured.
- .4 Additional interior application requirements:
 - .1 Apply coating finishes when temperature at location of installation can be satisfactorily maintained within manufacturer's recommendations.

- .2 Apply coating in occupied facilities during silent hours only. Schedule operations to approval of Consultant such that painted surfaces will have dried and cured sufficiently before occupants are affected.

1.6 WASTE MANAGEMENT AND DISPOSAL

- .1 Collect waste paint by type and provide for delivery to recycling or collection facility.
- .2 Material which cannot be reused must be treated as hazardous waste and disposed of in an appropriate manner.
- .3 To reduce the amount of contaminants entering waterways, sanitary/storm drain systems or into ground follow these procedures:
 - .1 Retain cleaning water for water-based materials to allow sediments to be filtered out.
 - .2 Retain cleaners, thinners, solvents and excess paint and place in designated containers and ensure proper disposal.
 - .3 Return solvent and oil soaked rags used during painting operations for contaminant recovery, proper disposal, or appropriate cleaning and laundering.
- .4 Dispose of contaminants in approved legal manner in accordance with hazardous waste regulations.
- .5 Empty paint cans are to be recycled.

Part 2 Products

2.1 MATERIALS

- .1 Paint materials listed in the MPI Approved Products List (APL) are acceptable for use on this project.
- .2 Provide paint materials for paint systems from single manufacturer.
- .3 Only qualified products with and E3 "Environmentally Friendly" rating are acceptable for use on this project. VOC levels must be less than 275 g/l for varnishes. 100 g/l for stains and less than 50 g/l for non-flat paints.
- .4 Conform to latest MPI requirements for interior painting work including preparation and priming.
- .5 Materials (primers, paints, coatings, varnishes, stains, lacquers, fillers, thinners, solvents, etc.) in accordance with MPI Architectural Painting Specification Manual "Approved Product" listing.
- .6 Linseed oil, shellac, and turpentine: highest quality product from approved manufacturer listed in MPI Architectural Painting Specification Manual, compatible with other coating materials as required.
- .7 Paints, coatings, adhesives, solvents, cleaners, lubricants, and other fluids:

- .1 Water-based and Water clean-up.
- .2 Non-flammable biodegradable.
- .3 Manufactured without compounds which contribute to ozone depletion in the upper atmosphere.
- .4 Manufactured without compounds which contribute to smog in the lower atmosphere.
- .5 Do not contain methylene chloride, chlorinated hydrocarbons, toxic metal pigments.
- .8 Formulate and manufacture water-borne surface coatings with no aromatic solvents, formaldehyde, halogenated solvents, mercury, lead, cadmium, hexavalent chromium or their compounds.
- .9 Flash point: 61.0 degrees C or greater for water-borne surface coatings and recycled water-borne surface coatings.
- .10 Ensure manufacture and process of both water-borne surface coatings and recycled water-borne surface coatings does not release:
 - .1 Matter in undiluted production plant effluent generating 'Biochemical Oxygen Demand' (BOD) in excess of 15 mg/L to natural watercourse or sewage treatment facility lacking secondary treatment.
 - .2 Total Suspended Solids (TSS) in undiluted production plant effluent in excess of 15 mg/L to natural watercourse or a sewage treatment facility lacking secondary treatment.
- .11 Water-borne paints and stains, recycled water-borne surface coatings and water borne varnishes to meet minimum "Environmentally Friendly" E3 rating.
- .12 Recycled water-borne surface coatings to contain 50 % post-consumer material by volume.

2.2 COLOURS

- .1 Varnish coating shall be clear, satin finish.
- .2 Where paint touch up is required use paint to match existing colour and finish.

2.3 MIXING AND TINTING

- .1 Perform colour tinting operations prior to delivery of paint to site. Obtain written approval from Consultant for tinting of painting materials.
- .2 Mix paste, powder or catalyzed paint mixes in accordance with manufacturer's written instructions.
- .3 Use and add thinner in accordance with paint manufacturer's recommendations. Do not use kerosene or similar organic solvents to thin water-based paints.
- .4 Thin paint for spraying in accordance with paint manufacturer's instructions.

- .5 Re-mix paint in containers prior to and during application to ensure break-up of lumps, complete dispersion of settled pigment, and colour and gloss uniformity.

2.4 GLOSS/SHEEN RATINGS

- .1 Paint gloss is defined as sheen rating of applied paint, in accordance with following values:

	Gloss @ 60 degrees	Sheen @ 85 degrees
Gloss Level 1 - Matte Finish (flat)	Max. 5	Max. 10
Gloss Level 2 - Velvet-Like Finish	Max.10	10 to 35
Gloss Level 3 - Eggshell Finish	10 to 25	10 to 35
Gloss Level 4 - Satin-Like Finish	20 to 35	min. 35
Gloss Level 5 - Traditional Semi-Gloss Finish	35 to 70	
Gloss Level 6 - Traditional Gloss	70 to 85	
Gloss Level 7 - High Gloss Finish	More than 85	

- .2 Gloss level ratings of painted surfaces as indicated and as noted on Finish Schedule.

2.5 INTERIOR PAINTING SYSTEMS

- .1 Dressed lumber: window sills, casings & mouldings:
 - .1 INT 6.3W – Waterborne varnish, clear acrylic G4 finish.
- .2 Plaster and gypsum board: gypsum wallboard, drywall, "sheet rock type material":
 - .1 INT 9.2A – Latex (over latex primer sealer) G1 (ceilings only), Premium grade.
 - .1 Mold and mildew resistant in washroom and shower rooms.
 - .1 Product: Benjamin Moore “Collection”, 100% Acrylic Interior, or MPI equivalent.
 - .2 INT 9.B – Latex (over latex primer sealer), G4, Premium grade. (typical)
 - .1 Mold and mildew resistant in washroom and shower rooms.
 - .1 Product: Benjamin Moore “Collection”, 100% Acrylic Interior, or MPI equivalent.

Part 3 Execution

3.1 MANUFACTURER'S INSTRUCTIONS

- .1 Compliance: comply with manufacturer's written recommendations or specifications, including product technical bulletins, handling, storage and installation instructions, and data sheet.

3.2 GENERAL

- .1 Perform preparation and operations for interior painting in accordance with MPI Architectural Painting Specifications Manual except where specified otherwise.
- .2 Apply paint materials in accordance with paint manufacturer's written application instructions.

3.3 EXAMINATION

- .1 Investigate existing substrates for problems related to proper and complete preparation of surfaces to be painted. Report to Consultant damages, defects, unsatisfactory or unfavourable conditions before proceeding with work.
- .2 Conduct moisture testing of surfaces to be painted using properly calibrated electronic moisture meter, except test concrete floors for moisture using simple "cover patch test". Do not proceed with work until conditions fall within acceptable range as recommended by manufacturer.
- .3 Maximum moisture content as follows:
 - .1 Stucco, plaster and gypsum board: 12 %.
 - .2 Concrete: 12 %.
 - .3 Clay and Concrete Block/Brick: 12 %.
 - .4 Wood: 15 %.

3.4 PREPARATION

- .1 Protection:
 - .1 Protect existing building surfaces and adjacent structures from paint splatters, markings and other damage by suitable non-staining covers or masking. If damaged, clean and restore surfaces as directed by Consultant.
 - .2 Protect items that are permanently attached such as Fire Labels on doors and frames.
 - .3 Protect factory finished products and equipment.
 - .4 Protect passing pedestrians, building occupants and general public in and about the building.
- .2 Surface Preparation:
 - .1 Remove electrical cover plates, light fixtures, surface hardware on doors, bath accessories and other surface mounted equipment, fittings and fastenings prior to undertaking painting operations. Identify and store items in secure location and re-installed after painting is completed.
 - .2 Move and cover furniture and portable equipment as necessary to carry out painting operations. Replace as painting operations progress.
 - .3 Place "WET PAINT" signs in occupied areas as painting operations progress. Signs to approval of Consultant.
- .3 Clean and prepare surfaces in accordance with MPI Architectural Painting Specification Manual requirements. Refer to MPI Manual in regard to specific requirements and as follows:
 - .1 Remove dust, dirt, and other surface debris by vacuuming, and wiping with dry, clean cloths.
 - .2 Wash surfaces with a biodegradable detergent and clean warm water using a stiff bristle brush to remove dirt, oil and other surface contaminants.
 - .3 Rinse scrubbed surfaces with clean water until foreign matter is flushed from surface.

- .4 Allow surfaces to drain completely and allow to dry thoroughly.
- .5 Prepare surfaces for water-based painting, water-based cleaners should be used in place of organic solvents.
- .6 Use trigger operated spray nozzles for water hoses.
- .7 Many water-based paints cannot be removed with water once dried. Minimize use of mineral spirits or organic solvents to clean up water-based paints.
- .4 Prevent contamination of cleaned surfaces by salts, acids, alkalis, other corrosive chemicals, grease, oil and solvents before prime coat is applied and between applications of remaining coats. Apply primer, paint, or pre-treatment as soon as possible after cleaning and before deterioration occurs.
- .5 Prime all non-exposed surfaces of new wood surfaces before installation. Use same primers as specified for exposed surfaces.
 - .1 Apply vinyl sealer to MPI #36 over knots, pitch, sap and resinous areas.
 - .2 Apply wood filler to nail holes and cracks.
 - .3 Tint filler to match stains for stained woodwork.
- .6 Sand and dust between coats as required to provide adequate adhesion for next coat and to remove defects visible from a distance up to 1000 mm.
- .7 Clean metal surfaces to be painted by removing rust, loose mill scale, welding slag, dirt, oil, grease and other foreign substances in accordance with MPI requirements. Remove traces of blast products from surfaces, pockets and corners to be painted by brushing with clean brushes or vacuum cleaning.
- .8 Touch up of shop primers with primer as specified.

3.5 APPLICATION

- .1 Accent paint colours will be deep and/or bright, apply minimum four coats.
- .2 Apply paint by brush roller or airless sprayer. Conform to manufacturer's application instructions unless specified otherwise.
- .3 Brush and Roller Application:
 - .1 Apply paint in uniform layer using brush and/or roller type suitable for application.
 - .2 Work paint into cracks, crevices and corners.
 - .3 Paint surfaces and corners not accessible to brush using spray, daubers and/or sheepskins. Paint surfaces and corners not accessible to roller using brush, daubers or sheepskins.
 - .4 Brush and/or roll out runs and sags, and over-lap marks. Rolled surfaces free of roller tracking and heavy stipple.
 - .5 Remove runs, sags and brush marks from finished work and repaint.
- .4 Spray application:
 - .1 Spray application will not be acceptable.

- .5 Use dipping, sheepskins or daubers only when no other method is practical in places of difficult access.
- .6 Apply coats of paint continuous film of uniform thickness. Repaint thin spots or bare areas before next coat of paint is applied.
- .7 Allow surfaces to dry and properly cure after cleaning and between subsequent coats for minimum time period as recommended by manufacturer.
- .8 Sand and dust between coats to remove visible defects.
- .9 Finish surfaces both above and below sight lines as specified for surrounding surfaces, including such surfaces as tops of interior cupboards and cabinets and projecting ledges.
- .10 Finish inside of cupboards and cabinets as specified for outside surfaces.
- .11 Finish closets and alcoves as specified for adjoining rooms.
- .12 Finish top, bottom, edges and cutouts of doors after fitting as specified for door surfaces.

3.6 SITE TOLERANCES

- .1 Walls: no defects visible from a distance of 1000 mm at 90 degrees to surface.
- .2 Ceilings: no defects visible from floor at 45 degrees to surface when viewed using final lighting source.
- .3 Final coat to exhibit uniformity of colour and uniformity of sheen across full surface area.

3.7 FIELD QUALITY CONTROL

- .1 Retain purchase orders, invoices and other documents as required to prove conformance with noted MPI requirements when requested by Consultant.

3.8 RESTORATION

- .1 Clean and re-install hardware items removed before undertaken painting operations.
- .2 Remove protective coverings and warning signs as soon as practical after operations cease.
- .3 Remove paint splashings on exposed surfaces that were not painted. Remove smears and spatter immediately as operations progress, using compatible solvent.
- .4 Protect freshly completed surfaces from paint droppings and dust to approval of Consultant. Avoid scuffing newly applied paint.
- .5 Restore areas used for storage, cleaning, mixing and handling of paint to clean condition as approved by Consultant.

END OF SECTION