



## A large, white, two-story building with a central clock tower, identified as the St. Ignace Mission. The building features multiple windows and a balcony on the right side. It is situated on a grassy area under a blue sky with clouds.

**PERMIT TO PRACTICE**  
**WSP CANADA INC.**  
 SIGNATURE: P. Alkhamisi  
 Date: 5 December 2014  
**PERMIT NUMBER PP150**  
 Association of Professional  
 Engineers of Yukon



Client/client	
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PARKS CANADA

**PARKS CANADA**

DAWSON CITY, YUKON

DAWSON CITY, YUKON

## OLD COURTHOUSE

## PROTECTION DE

Consultant Signature Only
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CONSULTANT_SIGNATURE_ONLY
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Designed by/Concept par  
TR

Drawn by/Designe por

PP

TPSGC Project Manager/Administrateur de Projets TPSGC  
HUGH

Regional Manager, Architectural and Engineering Services

PWGSC-REGIONAL\_MANAGER

Drawing title/Titre du dessin

## LEGEND AND DRAWING LIST

10. *Journal of the American Medical Association*, 2000; 284: 1039-1044.

10. *Journal of the American Medical Association*, 2000; 284: 1039-1044.

10. *Journal of the American Medical Association*, 2000; 284: 1361-1366.

10. *Journal of the American Medical Association*, 2000; 284: 1039-1044.

10. *Journal of the American Medical Association*, 2000; 283: 2686-2692.

Project No./No. du	Sheet/Feuille	Revision no./ la Révision
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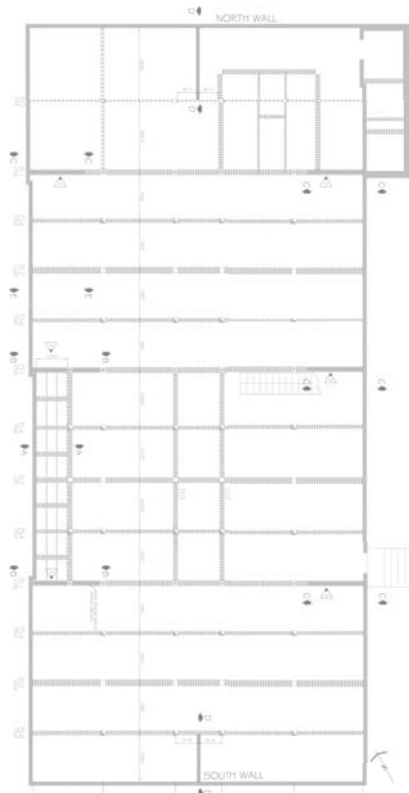
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**DM500000X**



ANNOTATIONS	
BND	BOND WIRE (AS PER SPECIFICATIONS)
GRD	GROUND WIRE (W)
COM	COMPLETE WITH
DISC	DISCONNECT
RR	REMOVE
EX	EXISTING TO REMAIN
ER	EXISTING TO BE RELOCATED
RE	REPLACE EXISTING WITH NEW DEVICE IN SAME LOCATION
RL	EXISTING DEVICE IN RELOCATED LOCATION
F/A	FIRE ALARM
GFI	GROUND FAULT INTERRUPTOR
SPD	SURGE PROTECTION DEVICE
TR	TAMPER RESISTANT
WP	WEATHERPROOF
WT	WATER TIGHT
AFB	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
	MECHANICAL EQUIPMENT TAG
	REFERENCE NOTE (1 DENOTES SEE NOTE 1)
	KITCHEN EQUIPMENT TAG
	OWNER SUPPLIED EQUIPMENT TAG
	CONDUIT TAG
	REVISION IDENTIFICATION TAG
	PANEL IDENTIFICATION TAG
	NEW EQUIPMENT
	EXISTING EQUIPMENT TO REMAIN
	EXISTING EQUIPMENT TO BE REMOVED





1  
E100  
EXISTING FIRE ALARM LAYOUT - BASEMENT  
SCALE: 1:100



2  
E100  
EXISTING FIRE ALARM LAYOUT - GROUND FLOOR  
SCALE: 1:100

- GENERAL NOTES:
1. NO FIRE RATED EXISTING SHAFTS.
  2. EXISTING CONDUIT IS PERMITTED FOR RE-USE.
  3. ALL EXISTING DEVICES TO BE REMOVED.



5		
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2		
1	ISSUED FOR TENDER	2014/12/05
0	ISSUED FOR SCHEMATIC DESIGN	2014/10/12
Revision/Description	Description/Description	Date/Date

Client/Client

PARKS CANADA

DAWSON CITY, YUKON

Project title/Titre du projet

DAWSON CITY, YUKON  
OLD COURTHOUSE  
FIRE PROTECTION DESIGN

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TD

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HUGH

PWOSC Project Manager/Administrateur de Projets PWOSC  
HUGH

Regional Manager, Architectural and Engineering Services  
Gestionnaire régional, Services d'architecture et de génie, PWOSC  
PWOSC REGIONAL MANAGER

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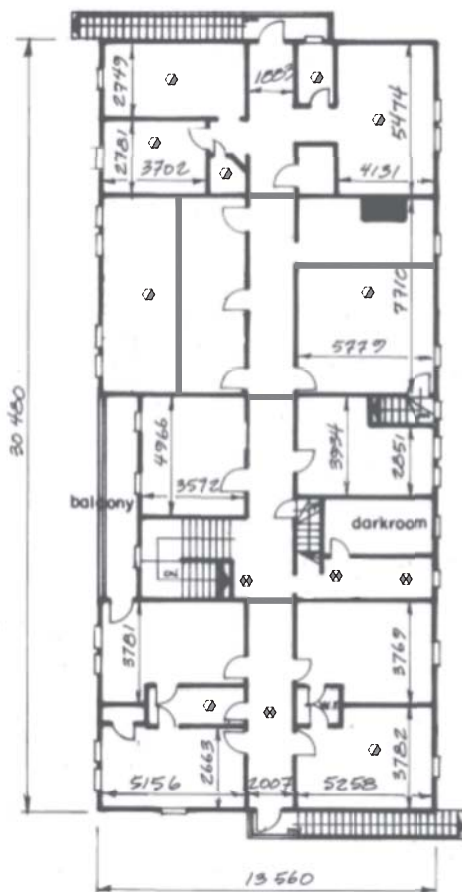
EXISTING FIRE ALARM LAYOUTS -  
BASEMENT AND GROUND FLOOR

Project No./No. du  
projet  
141-22313-00

Sheet/Feuille  
E100  
OF 08

Revision no./  
Le Révision  
no.  
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The first floor plan shows a large central hall with a central staircase. There are several rooms and corridors. The layout is symmetrical, with rooms on the left and right sides of the central hall. The central hall has a large open area with a central staircase. There are rooms on the left and right sides of the central hall. The layout is symmetrical, with rooms on the left and right sides of the central hall.

GENERAL NOTES:

1. NO FIRE RATED EXISTING SHAFTS.
2. EXISTING CONDUIT IS PERMITTED FOR RE-USE.
3. ALL EXISTING DEVICES TO BE REMOVED

PARKS CANADA

DAWSON CITY, YUKON

Project title/Titre du projet

DAWSON CITY, YUKON  
OLD COURTHOUSE

**FIRE PROTECTION DESIGN**

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Regional Manager, Architectural and Engineering Services  
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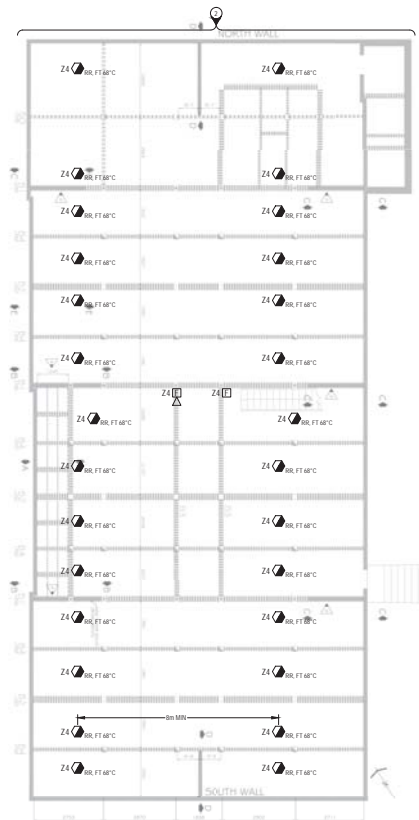
**EXISTING FIRE ALARM LAYOUTS -  
2nd FLOOR AND ATTIC**

Project No./No. du projet	141-22313-00
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Sheet/Feuille  
**E101**  
OF 08

Revision no., La Révision no.	1
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1  
E110  
NEW FIRE ALARM LAYOUT - BASEMENT - ZONE 4  
SCALE: 1:100



2  
E110  
NEW FIRE ALARM LAYOUT - GROUND FLOOR - ZONE 1  
SCALE: 1:100

GENERAL NOTES:  
1. NO FIRE RATED EXISTING SHAFTS.  
2. ALL HEAT DETECTORS SHALL BE DUAL TYPE RATE OF RISE AND FT 68°C.

KEYNOTES:  
● MOUNT AT PEAK.  
● NOT ALL DEVICES SHOWN MOUNT DEVICES TO UNDERSIDE OF WOODEN JOISTS RUNNING NORTH TO SOUTH LOCATE MINIMUM TWO DETECTOR SPACED 8m APART IN EACH BEAM POCKET RUNNING EAST TO WEST.

PERMIT TO PRACTICE  
WEP CANADA INC.  
SIGNATURE: *Tom Althaus*  
Date: 5 December 2014  
PERMIT NULASJ21 PPT190  
Association of Professional Engineers of Yukon

PROFESSIONAL  
ENGINEER  
YUKON  
05/12/14

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1	ISSUED FOR TENDER	2014/12/05
0	ISSUED FOR SCHEMATIC DESIGN	2014/10/31
Revision/Description	Description/Description	Date/Date

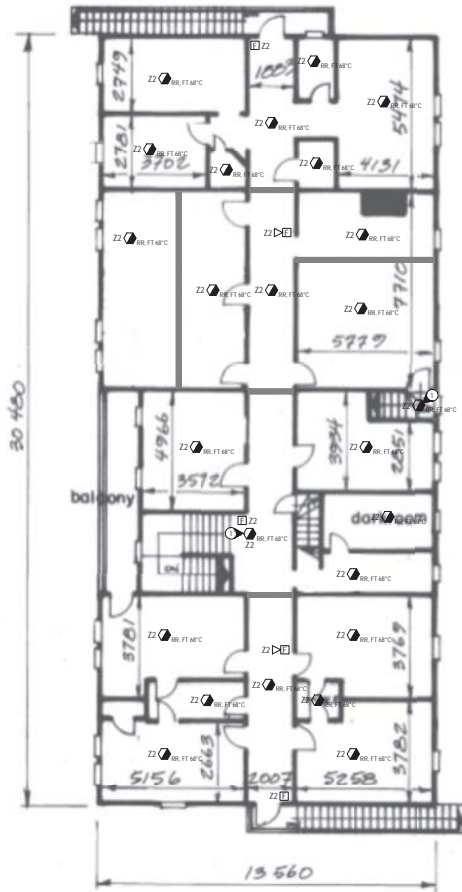
PARKS CANADA

DAWSON CITY, YUKON

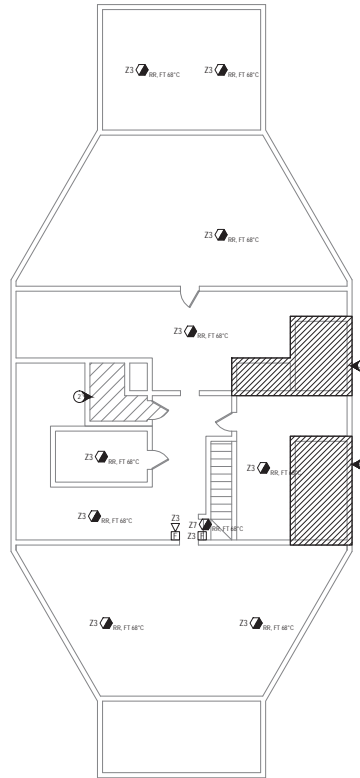
Project title/Titre du projet  
DAWSON CITY, YUKON  
OLD COURTHOUSE  
FIRE PROTECTION DESIGN

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Drawn by/Dessiné par  
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PWOSC Project Manager/Administrateur de Projets PWOSC  
HUGH  
Regional Manager, Architectural and Engineering Services  
Généraliste régionale, Services d'ingénierie et de génie, PWOSC  
PWOSC REGIONAL MANAGER  
Drawing title/Titre du dessin  
NEW FIRE ALARM LAYOUTS -  
BASEMENT AND GROUND  
FLOOR

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E110  
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Le Révision  
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OF 08



1  
E111  
NEW ELECTRICAL LAYOUT - SECOND FLOOR - ZONE 2  
SCALE: 1:100



2  
E111  
NEW ELECTRICAL LAYOUT - ATTIC - ZONE 3  
SCALE: 1:100

GENERAL NOTES:

1. NO FIRE RATED EXISTING SHAFTS.
2. AT -4°C DETECTORS WILL FAIL TO OPERATE.
3. ALL HEAT DETECTORS SHALL BE DUAL TYPE RATE OF RISE AND FT 68°C.

KEYNOTES:

- 1. MOUNT AT PEAK.
- 2. AREA NOT PROTECTED DUE TO HIGH CEILING.
- 3. VOID SPACES.

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WEP CANADA INC.  
SIGNATURE: *Tom Althaus*  
Date: 5 December 2014  
PERMIT NUMBER: 177190  
Association of Professional  
Engineers of Yukon



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1	ISSUED FOR TENDER	2014/12/05
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Revision/ Révision	Description/Description	Date/Date

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**PARKS CANADA**

**DAWSON CITY, YUKON**

Projet titre/Titre du projet  
**DAWSON CITY, YUKON  
OLD COURTHOUSE  
FIRE PROTECTION DESIGN**

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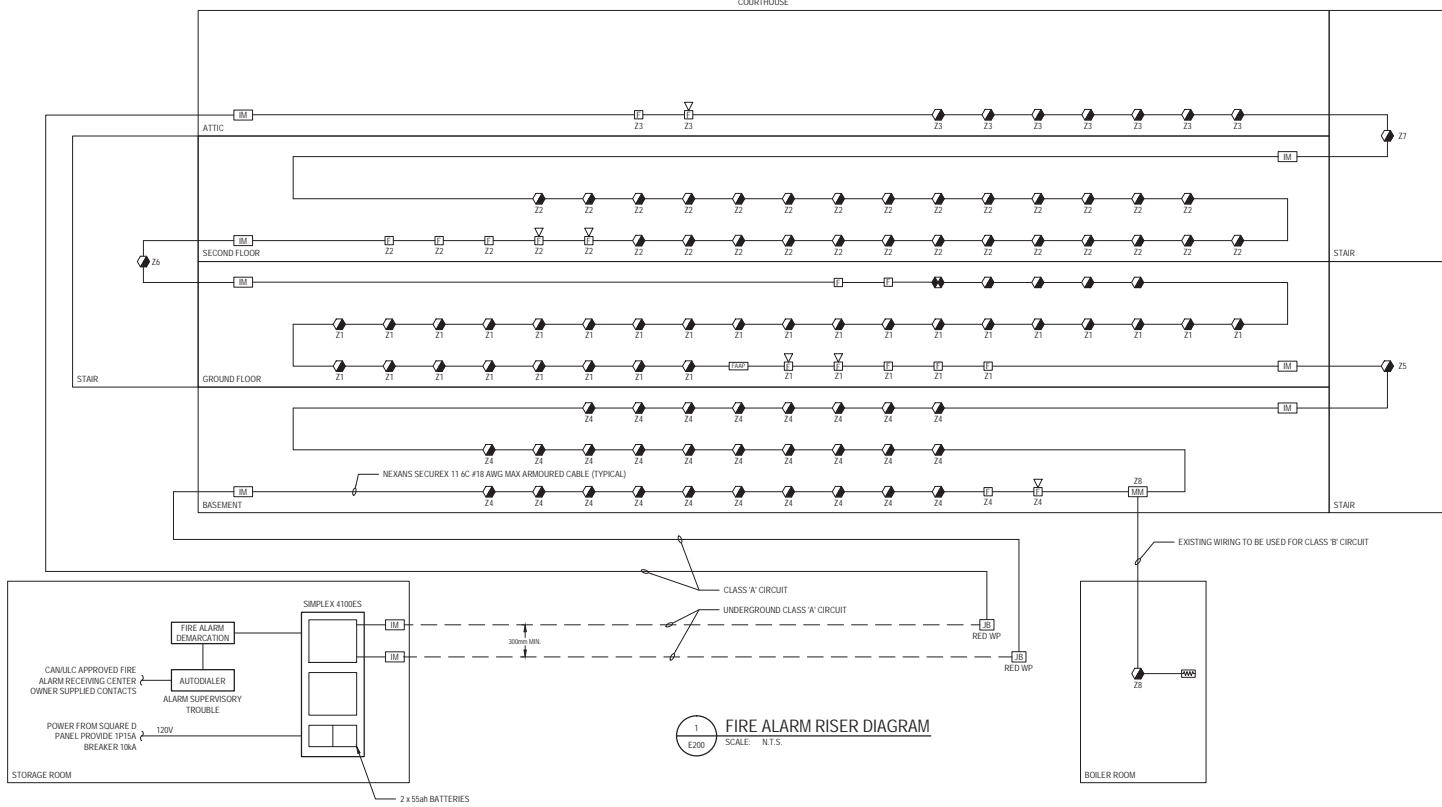
FWOSC Project Manager/Administrateur de Projets FWOSC  
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FWOSC REGIONAL MANAGER

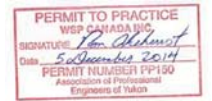
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**NEW FIRE ALARM LAYOUTS -  
2nd FLOOR AND ATTIC**

Project No./No. du projet 141-22313-00	Sheet/Feuille E111 OF 08	Revision no./ Le Révision 1
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ZONE SCHEDULE		
ZONE	DESCRIPTION	ALARM TYPE
1	GROUND FLOOR	ALARM
2	SECOND FLOOR	ALARM
3	ATTIC	ALARM
4	BASEMENT	ALARM
5	BASEMENT STAIR	ALARM
6	CENTRAL STAIR	ALARM
7	ATTIC STAIR	ALARM
8	BOILER ROOM	ALARM



5		
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1	ISSUED FOR TENDER	2014/12/10
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Revision/Description	Description/Description	Date/Date

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**PARKS CANADA**

**DAWSON CITY, YUKON**

Project title/Titre du projet

**DAWSON CITY, YUKON  
OLD COURTHOUSE  
FIRE PROTECTION DESIGN**

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Drawn by/Dessiné par  
PH

PHSC Project Manager/Administrateur de Projets PHSC  
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Généraliste régionale, Services d'ingénierie et de génie, PHSC  
PHSC REGIONAL MANAGER

Drawing title/Titre du dessin

**FIRE ALARM RISER DIAGRAM**

Project No./No. du projet 141-22313-00	Sheet/Feuille <b>E200</b> OF 08	Revision no./ Le Révision no. <b>1</b>
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PWGSC - A1 - 841X594

0 10 20 30 40 50 60 70 80 90 100mm

DMS00000000



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**DAWSON CITY, YUKON**

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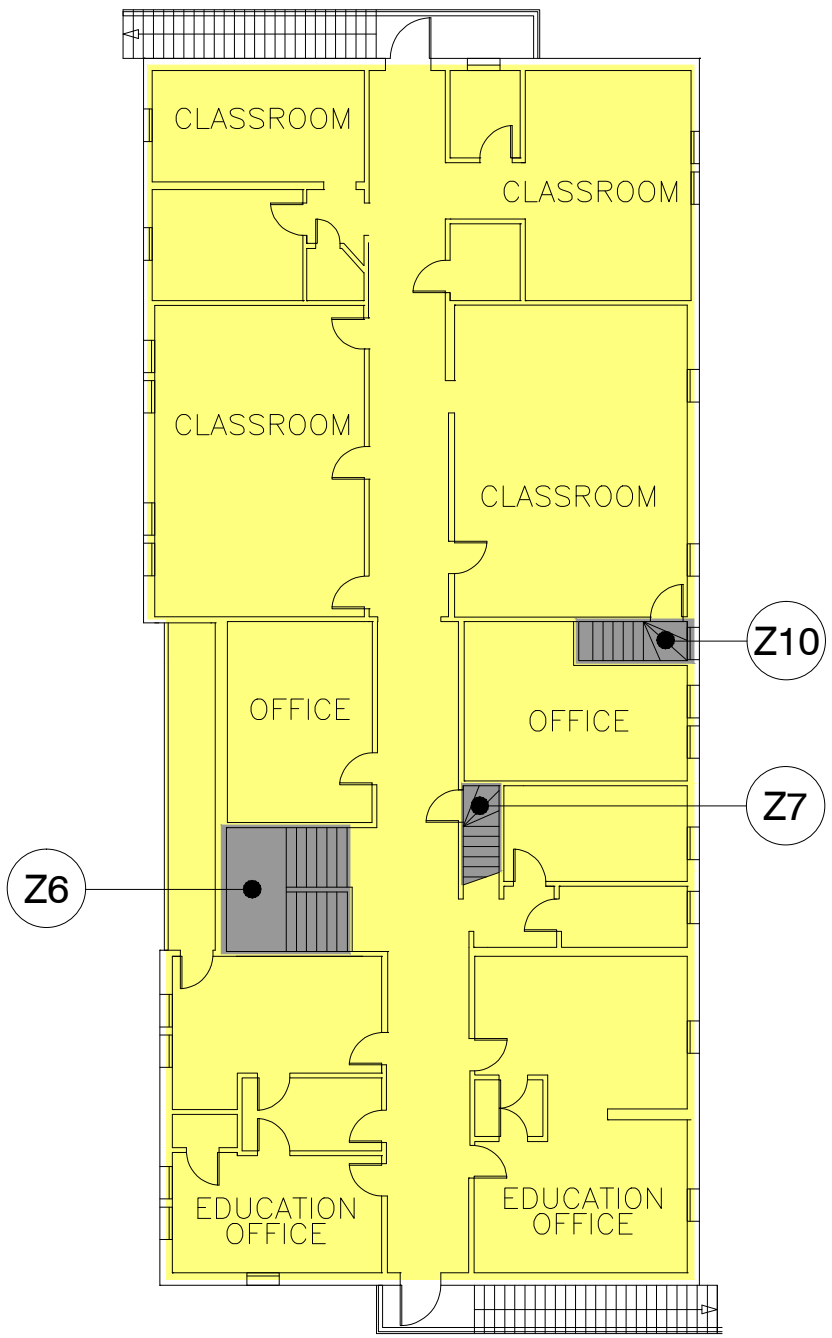
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PWGSC-REGIONAL\_MANAGER

Project No./No. du projet <b>141-22313-00</b>	Sheet/Feuille <b>E301</b>	Revision no. La Révision no. <b>1</b>
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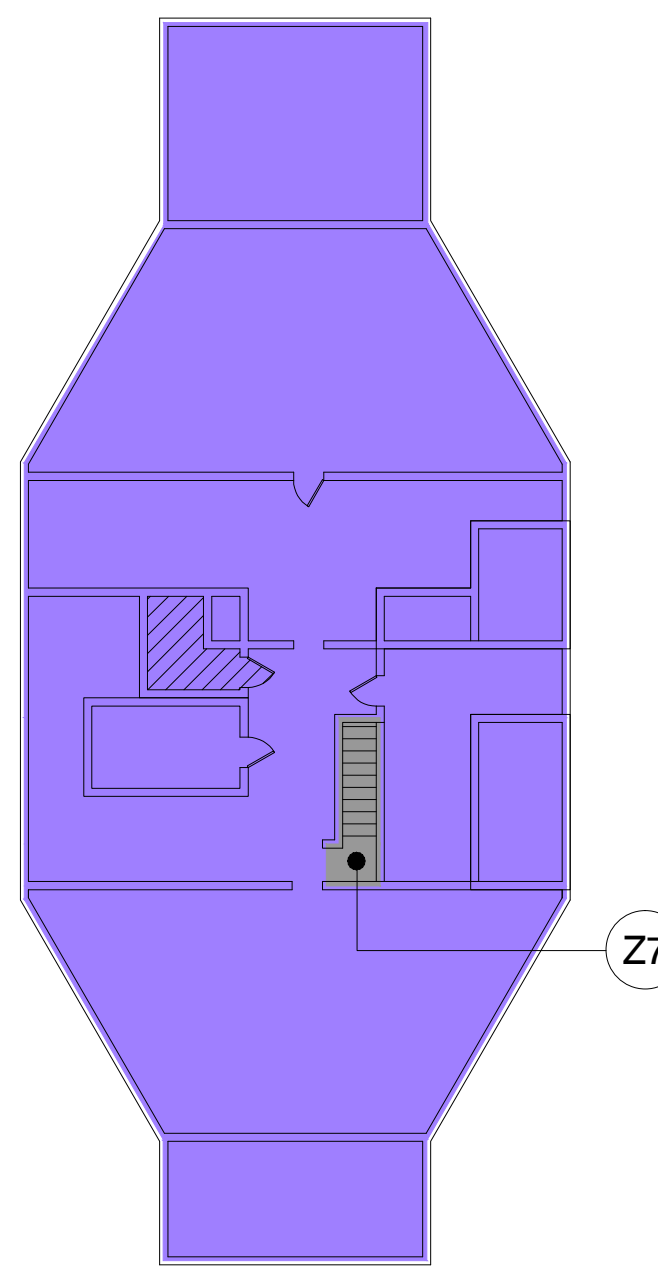


OLD COURTHOUSE DAWSON CITY  
FIRE ALARM ZONE MAP



SECOND FLOOR

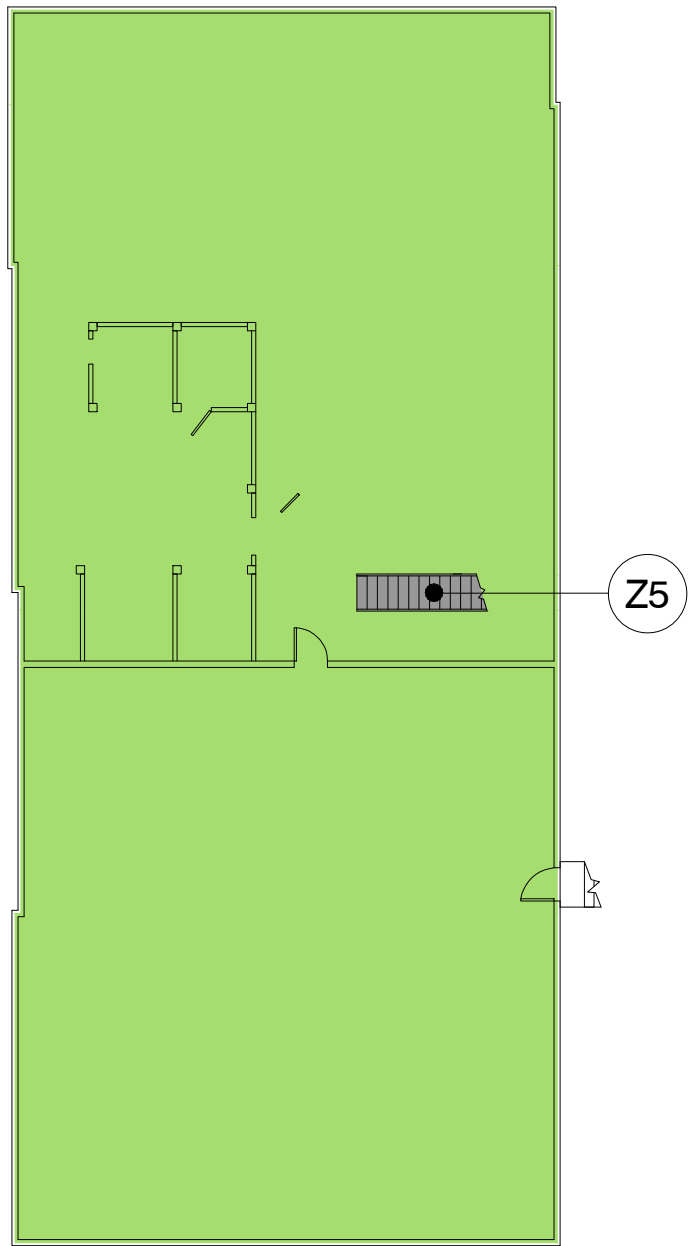
Z22



ATTIC

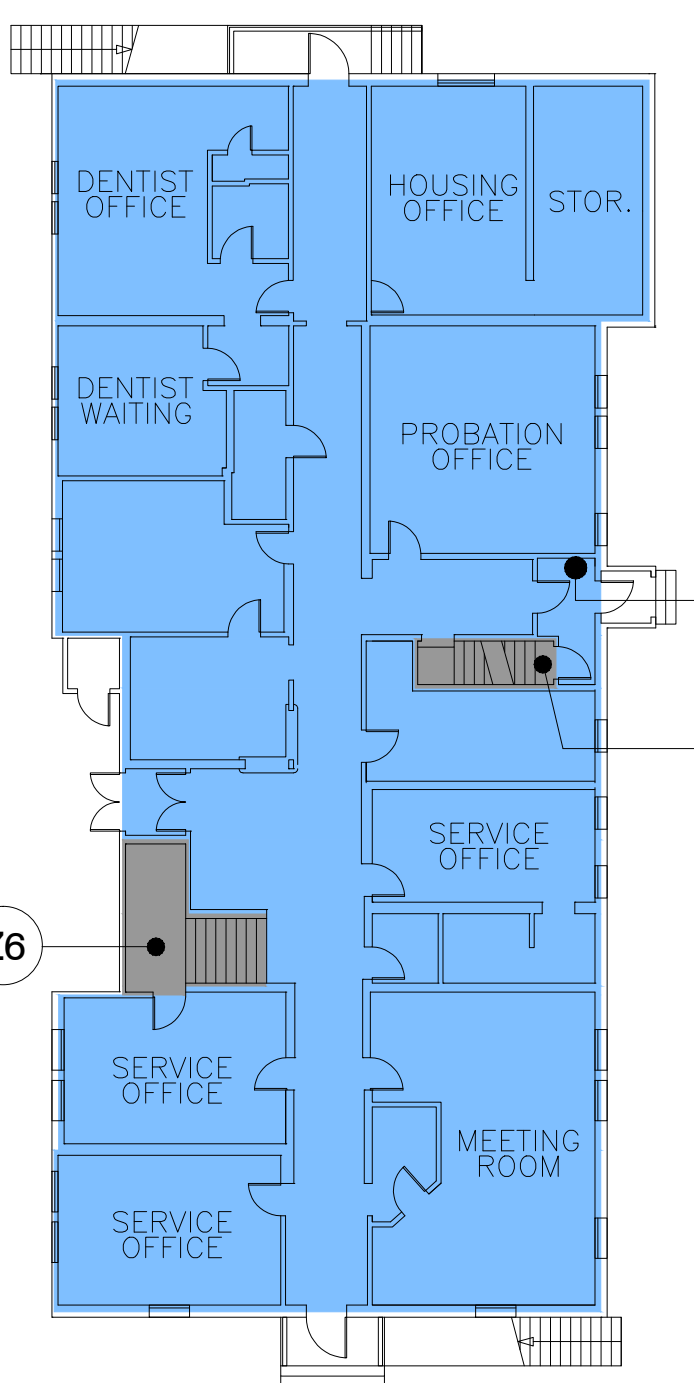
Z3

FIRE ALARM ZONES	
Z1	GROUND FLOOR - MANUAL / AUTOMATIC
Z2	SECOND FLOOR - MANUAL / AUTOMATIC
Z3	ATTIC - MANUAL / AUTOMATIC
Z4	BASEMENT - MANUAL / AUTOMATIC
Z5	BASEMENT STAIRS - AUTOMATIC
Z6	CENTRAL STAIRS - AUTOMATIC
Z7	ATTIC STAIRS - AUTOMATIC
Z8	BOILER SHED - AUTOMATIC
Z9	TACK RM OF CARRIAGE SHED - MANUAL / AUTO
Z10	SECOND FLOOR STAIRS - AUTOMATIC



BASEMENT

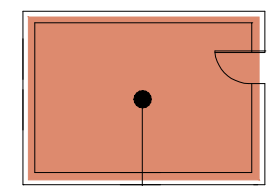
Z4



GROUND FLOOR

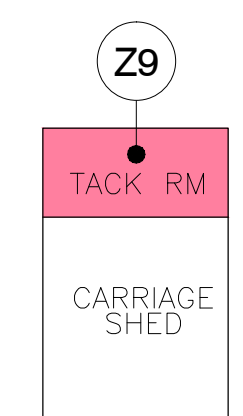
Z1

**YOU ARE HERE**  
( FIRE ALARM PANEL )



BOILER SHED

Z8

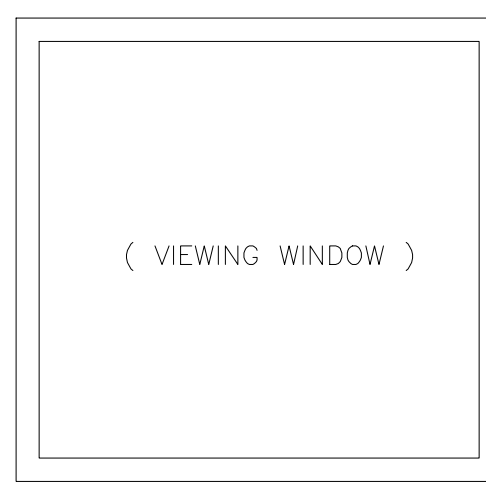


CARRIAGE SHED

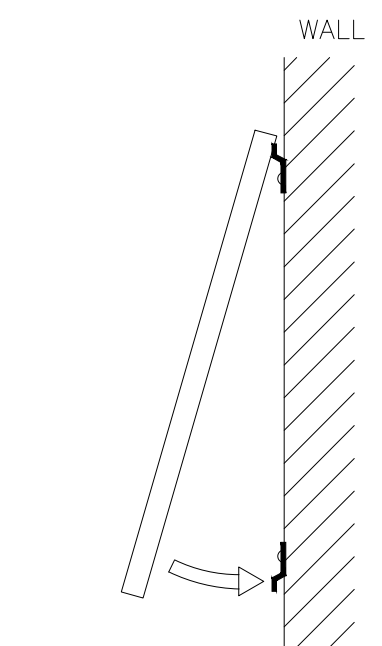
Z9



PASSIVE DISPLAY  
( SERIES - IDZ1620 )



NOTE: ANODIZED BRUSHED ALUMINUM  
FRAME & SECURITY HANGERS



TYPICAL MOUNTING  
SECURITY HANGERS

General Notes

MODEL IDZ-1620 (16"x20")INDOOR  
PASSIVE DISPLAY, ANODIZED FRAME &  
SECURITY HANGERS.  
ZONE MAP LOCATED ADJACENT TO FIRE  
PANEL.

**APPROVAL STATUS**  
PARTIES INVOLVED AS LISTED BELOW WITH  
THIS PROJECT ARE RESPONSIBLE TO  
PROVIDE ACCEPTANCE OF THIS DRAWING.  
ADS-DISPLAY WILL PRODUCE THIS DISPLAY  
AS NOTED ON THIS DRAWING WITHOUT  
ANY EXEMPTIONS OR ALLOWANCES FOR  
CHANGE. ANY CHANGES MADE AFTER  
ACCEPTANCE AND PRIOR TO  
MANUFACTURING ARE SUBJECTED TO  
ADDITIONAL COST AS  
REQUIRED.ADS-DISPLAY RESERVES THE  
RIGHT FOR OUR CUSTOMERS TO PROVIDE  
OVERALL APPROVAL TO PROCEED ON ANY  
PROJECT AS OUTLINED WITHIN THIS  
STATEMENT.

**ACCEPTED**  
MARK THE BOX WITH A (X)

☐ **TYCO** Integrated Fire & Security  
CUSTOMER

☐ **BEN'S ELECT**  
CONTRACTOR

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ENGINEER

02	UPDATE 04/23/15	04/23/15
01	UPDATE 04/22/15	04/22/15
No.	Revision/Issue	Date

Custom Graphic Displays

**ADS INC.**  
Analog-Digital Systems Inc.

5155 11a, Ave. Delta,B.C.(V4M-1Z7)

Phone: (604) 948-9885  
E-Mail ads@telus.net

Project Name and Address  
DAWSON CITY OLD COURTHOUSE  
FIRE ALARM PASSIVE GRAPHIC DISPLAY

Project	215-028	Sheet
Date	04/08/15	1 OF 1
Scale	1:1	DRAWN BY S.Q-G



**Figure 1 – Typical initiating device and surface mount wiring**



**Figure 2 – Typical Courtroom initiating devices and surface mount wiring**



**Figure 3 – Main fire alarm panel and alarm communicator located in Carriage Shed**



**Figure 4 – Typical device installation**





May 8, 2018

RATIO Architecture, Interior Design & Planning Inc  
Suite 410  
1444 Alberni Street  
Vancouver, BC

ISSUED FOR USE  
FILE: ENG.WARC03404-01  
Via Email: Hzn@thinkratio.com

**Attention:** Hazen J Sise, Senior Architect

**Subject:** Desktop Geotechnical Evaluation – New Service Building and Heritage Courthouse  
Dawson City, YT

## 1.0 INTRODUCTION

### 1.1 Project Details

Tetra Tech Canada Inc. (Tetra Tech) was retained by RATIO Architecture, Interior Design & Planning Inc. (RATIO) to provide a desktop geotechnical study for the Service Building and Heritage Courthouse Building located in Dawson City, YT. This work was authorized by Hazen Sise of RATIO by way of a signed Services Agreement dated April 13, 2018.

Through discussion with RATIO and Stantec Consulting Ltd. (Stantec), Tetra Tech understands that the existing structure on the property is to be removed and a new one storey Service Building constructed. Additionally, rehabilitation of the existing 2-1/2 storey Courthouse interior is planned to coincide with the new construction.

This desktop geotechnical evaluation will provide general preliminary geotechnical information and recommendations for the project site. A thorough geotechnical evaluation, including a site investigation, has neither been completed nor is planned at this time, therefore it is important that Tetra Tech be contacted during construction to verify assumptions stated herein. For additional conditions regarding the use of this report, please refer to Tetra Tech's Limitations on the Use of this Document included in Appendix A.

### 1.2 Scope of Services

Based on information provided by RATIO, Tetra Tech's scope of services for this work included:

- Completion of a desktop study based on historical subsurface investigations near the subject site;
- Preparation and submission of a geotechnical report to address:
  - Recommended Ultimate and Serviceability Limit State (ULS and SLS) bearing pressures based on foundation information provided for each of the buildings and findings of desktop study;
  - Subgrade, backfill, foundation preparation and concrete exposure classification recommendations;
  - Seismic Site Classifications based on NBCC 2015;
  - Effects of a heated basement on the existing subgrade at the Courthouse;

- Confirmation of lateral load on basement wall.

## 2.0 METHOD OF STUDY

A review of available information was conducted in preparing this report. Information such as aerial photographs and previous geotechnical reports were used to interpret the anticipated subsurface conditions and prepare general recommendations for foundation design and construction.

For this specific project, Tetra Tech has neither advanced exploratory boreholes at this site, nor inspected the proposed site. All descriptions and recommendations presented herein are based solely upon the “desktop” study and Tetra Tech’s previous experience with working in the vicinity of Turner Street between Front Street and 5<sup>th</sup> Avenue. Figure 1 shows the locations of Tetra Tech’s historical testholes in this area.

## 3.0 HISTORICAL GEOTECHNICAL DATA

Tetra Tech reviewed relevant geotechnical data from historical projects completed at the near the subject site. Projects included (in chronological order):

- June 1977: Dawson City Geotechnical Program – One borehole advanced in site vicinity;
- June 2001: Hydrocarbon Spill Assessment – Four shallow testpits excavated;
- November 2002 Secondary Sewage Plant Geotechnical – One borehole advanced in site vicinity;
- May 2008: Nurse’s Residence Evaluation – Two testpits excavated;
- September 2009: Proposed Multi-Storey Apartment Building Evaluation - Six testpits excavated; and,
- January 2017: Water Treatment Plant Evaluation – Two boreholes advanced.

Geotechnical conditions described in these reports have been used for the development of the recommendations in this report. Historical testpit logs from these projects are included in Appendix B.

## 4.0 SITE DESCRIPTION

### 4.1 Location

The Heritage Courthouse and proposed new Service Building are located on the corner of Front Street and Turner Street in Dawson City, Yukon.

### 4.2 Anticipated Surface Conditions

The site has been previously developed and is lower than Front Street, but there are no surface features that would affect the proposed site construction.

### 4.3 Anticipated Subsurface Conditions

As noted above, a site-specific geotechnical investigation was not carried out for this project, therefore anticipated subsurface conditions at the project site are described only in general terms here. Based on Tetra Tech’s review of

past site investigations near the project site, the subsurface conditions are expected to consist mainly of the following:

- 0.3 – 1.0 m of granular FILL, underlain by;
- 0.0 – 1.5 m of PEAT and ORGANICS (not observed consistently), underlain by;
- 1.5 – 3.5 m of SILT, underlain by;
- GRAVEL to an undetermined depth.

The gravel layer at depth is anticipated to range roughly from 3.0 – 4.0 m below ground surface in the general area of the subject site. However, it is not known what kind of foundation was constructed below the existing structure, for example, whether or not this gravel layer was exposed and then backfilled to foundation grade with granular fill.

## 4.4 Groundwater Conditions

Depth to ground water at the site will vary with water levels in the Klondike and Yukon Rivers. It has been previously noted at depths as shallow as 3.0 m and may fluctuate to 4.5 m below ground surface.

## 4.5 Permafrost and Seasonal Frost Penetration

Based on the most recent historical logs and general experience in the area, permafrost is not typically anticipated to be encountered in the vicinity of the project site. However, permafrost was encountered during the 1977 drilling program along the north-east quadrant of the site at a depth of approximately 1.4 m and extending into the gravels at depth. While it is likely that this permafrost has since thawed, without a detailed geotechnical investigation the presence of permafrost cannot be confidently ruled out.

Based on the anticipated soil conditions at the project site, and regional climate data, the maximum depth of seasonal frost penetration under snow-free conditions is assumed to be about 3.0 m.

## 4.6 Bedrock

Bedrock was not encountered in any of the historical testholes that were reviewed.

# 5.0 RECOMMENDATIONS

Based on information provided by RATIO and Stantec, Tetra Tech understands the preliminary intent is to use a thickened monolithic slab on grade, and a spread footing system for the Service Building and Courthouse basement, respectively. The following sections outline recommendations for foundation design and construction for each of the structures.

## 5.1 New Service Building

### 5.1.1 Site Preparation

Site preparation for the new service building should be completed in accordance with the following recommendations:

- The existing ground surface should be excavated to the underlying gravel layer (approximately 3.0 – 4.0 m). The excavation should be completed such that there is minimal disturbance to the soils encountered at the excavation base. Tetra Tech recommends that excavation sidewalls be sloped no steeper than 1H:1V. Shoring methods should be used if steeper sidewall slopes are desired;
- The base of the excavation must be level so that an engineered fill pad of uniform thickness is created to support the building foundation;
- Upon completion of the excavation, the exposed subgrade should be inspected by a qualified geotechnical engineer to confirm that suitable ground conditions have been encountered and to provide additional recommendations if necessary;
- The approved subgrade should be backfilled with 80 mm pit run gravel placed in maximum 300 mm lifts, moisture conditioned, and compacted to at least 98% Standard Proctor Maximum Dry Density (SPMDD);
- A minimum 150 mm thick layer of 20 mm crushed gravel basecourse should be placed immediately below the underside of the slab on grade foundation system. The basecourse should be moisture conditioned and compacted to at least 98% SPMDD. This will provide a smooth, level bearing-surface on which to cast the concrete strip and spread footing foundations. The recommended gradations of both 80 mm pit run gravel and 20 mm crushed basecourse are provided below in Table 1;
- The final elevation of the pad for the new building footprint should be high enough to maintain positive drainage away from the foundation;
- The excavation must be protected from the inflow of surface water at all times; and
- Foundation elements should not be cast directly onto or over seasonally frozen soils.

**Table 1: Recommended Gradation for Granular Fill Materials**

80 mm Pit Run Gravel		20 mm Crushed Basecourse	
Particle Size (mm)	% Passing (by weight)	Particle Size (mm)	% Passing (by weight)
80	100	-	-
25	55 – 100	20	100
12.5	42 – 84	12.5	64 – 100
5.00	26 – 65	5.00	36 – 72
1.25	11 – 47	1.25	12 – 42
0.315	3 – 30	0.315	4 – 22
0.080	0 – 8	0.080	3 – 6

## 5.1.2 Foundation Design and Construction

### 5.1.2.1 Limit States Design

The 2015 edition of the National Building Code of Canada (NBCC 2015) stipulates that foundation design must be carried out using Limit State Design (LSD) methods. Under LSD, a minimum of two loading cases must be considered by geotechnical and structural designers; the Ultimate Limit State (ULS) and the Serviceability Limit State (SLS). The ULS and SLS bearing resistances are calculated differently. The ULS bearing resistance is the maximum pressure that can be applied to the soil without causing bearing failure. The SLS bearing pressure is the maximum allowable pressure required to limit the settlement to a tolerable amount. Both the ULS and SLS bearing

resistances are highly dependent on soil properties and footing geometry, including the footing size, shape, and burial depth.

Resistance factors are applied to the calculated (unfactored) resistances to determine the maximum allowable factored design load. Geotechnical resistance factors for design of shallow foundations against vertical bearing failure (ULS), horizontal displacement (sliding under lateral loading), and overturning, per the NBCC 2015, are provided in Table 2.

**Table 2: Geotechnical Resistance Factors - Shallow Foundations**

Item	Resistance Factor
Vertical Bearing Resistance (ULS)	0.5
Sliding (ULS)	0.8
Overturning (ULS)	0.5

### 5.1.2.2 Foundation Recommendations

As noted above, a thickened monolithic slab on grade foundation is considered to be an acceptable foundation system for the new Service Building based on this preliminary desktop evaluation. As such, design and construction of the foundation should be undertaken in accordance with the following recommendations:

- For the purpose of determining preliminary geotechnical bearing resistances, Tetra Tech has assumed a thickened perimeter footing thickness of 0.6 m and a minimum depth of cover of 0.6 m from finished grade to the underside of footing, as well as a case consisting of 0.4 m and a minimum depth of cover of 0.6 m from finished grade to the underside of footing;
- Unfactored bearing resistances are provided based on the dimensions shown. If other dimensions are to be used, Tetra Tech should be notified to review and adjust the calculated bearing resistances; and
- Preliminary unfactored ULS and SLS bearing resistances for the Service Building are provided below on Table 3. SLS bearing resistances have been calculated based on 16 mm of tolerable elastic settlement.

**Table 3: Unfactored Bearing Pressures**

Limit State	Thickened Monolithic Slab on Grade, Perimeter Footings 0.6 m in Width	Thickened Monolithic Slab on Grade, Perimeter Footings 0.4 m in Width
ULS	455 kPa	440 kPa
SLS	380 kPa	610 kPa

### 5.1.3 Seasonal Frost Protection

Seasonal ground frost-related movement is common in cold climates and occurs when three conditions are satisfied: the ground temperature is below freezing, frost-susceptible fine-grained soils are present, and the soil pore space is near 100% saturation. At the site of the new Service Building, the organic and silt layers are anticipated to be frost-susceptible, but as noted above in Section 5.1.1 this soil will be or has been excavated and removed from the site. Therefore, perimeter insulation will not be required -- this must be confirmed during construction.

#### **5.1.4 Site Grading**

As noted above in Section 5.1.1, the final grade of the footprint of the new Service Building should be elevated above the surrounding grade to maintain positive drainage away from the building foundations. Ponding and/or infiltration of water adjacent to the building should be prevented as this could have detrimental effects on the performance of the building foundations. Roof runoff should be directed onto splash pads away from the building. This is particularly important in late fall just prior to freeze-up.

#### **5.1.5 Concrete**

Concrete should be cast onto a clean, level, compacted, granular bearing surface. It is important that no loose and/or disturbed material be allowed to remain on the bearing surface. As noted above, foundation bearing surfaces should consist of 20 mm crushed basecourse, moisture conditioned and compacted to at least 98% SPMDD.

Tetra Tech recommends that all concrete be designed, mixed, placed, and tested in accordance with the most recent edition of the Canadian Standards Association (CSA) Standard CAN/CSA-A23.1 and A23.2. According to these standards, concrete should be designed to at least satisfy the minimum durability requirements as defined by the exposure class.

The exposure class of the concrete is dependent on the presence or lack of chlorides, sulphates, freezing and thawing conditions, and the soil saturation. Based on these conditions, the governing exposure class for the foundation system will be “F-2” for foundation elements and “C-2” for surface slabs. If the concrete will be exposed to any specialized chemicals it is recommended that Tetra Tech be given the opportunity to review the concrete class recommendation.

If winter construction is considered, Tetra Tech should be contacted and given the opportunity to review the contractor’s winter concrete placement procedures.

#### **5.1.6 Seismic Site Classification**

NBCC 2015 requires that a seismic site classification be established for proposed buildings. Tetra Tech does not have any historical data related to soil consistency within the project site, as such, Tetra Tech’s preliminary recommendation is that the new Service Building be considered Site Classification D, per Table 4.1.8.4.A in NBCC 2015.

### **5.2 Existing Heritage Courthouse**

---

It is understood that new pad footings will be constructed within the interior of the existing structure, through the wooden basement floor. There has apparently been no reports of foundation distress to date, so the existing foundation area is considered acceptable to support new footings.

#### **5.2.1 Foundation Preparation**

Once the subgrade is exposed at the new footing locations, Tetra Tech must be advised to complete a verification of acceptable bearing soils.

## 5.2.2 Foundation Design and Construction

### 5.2.2.1 Limit States Design

The 2015 edition of the National Building Code of Canada (NBCC 2015) stipulates that foundation design must be carried out using Limit State Design (LSD) methods. Under LSD, a minimum of two loading cases must be considered by geotechnical and structural designers; the Ultimate Limit State (ULS) and the Serviceability Limit State (SLS). The ULS and SLS bearing resistances are calculated differently. The ULS bearing resistance is the maximum pressure that can be applied to the soil without causing bearing failure. The SLS bearing pressure is the maximum allowable pressure required to limit the settlement to a tolerable amount. Both the ULS and SLS bearing resistances are highly dependent on soil properties and footing geometry, including the footing size, shape, and burial depth.

Resistance factors are applied to the calculated (unfactored) resistances to determine the maximum allowable factored design load. Geotechnical resistance factors for design of shallow foundations against vertical bearing failure (ULS), horizontal displacement (sliding under lateral loading), and overturning, per the NBCC 2015, are provided in Table 2.

**Table 4: Geotechnical Resistance Factors - Shallow Foundations**

Item	Resistance Factor
Vertical Bearing Resistance (ULS)	0.5
Sliding (ULS)	0.8
Overturning (ULS)	0.5

### 5.2.2.2 Foundation Recommendations

Design and construction of the Heritage Courthouse foundation should be undertaken in accordance with the following recommendations:

- Unfactored bearing resistances are provided based on an assumed 1.5 m square spread footing. If these dimensions change, Tetra Tech should be notified to review and adjust the calculated bearing resistances;
- ULS and SLS bearing resistances for the new pad footings are provided below on Table 5. SLS bearing resistances have been calculated based on 16 mm of tolerable elastic settlement.

**Table 5: Unfactored Bearing Pressures**

Limit State	1.5 m Square Spread Footing
ULS	200 kPa
SLS	200 kPa

## 5.2.3 Seasonal Frost Protection

At the site of the Heritage Courthouse, frost-susceptible soil may be within the frost penetration depth, but as construction will be completed from the interior and the space will be heated it is not anticipated that additional frost protection will be required. To minimize the potential for future frost related movements, it is recommended that the building remain marginally heated (i.e. just above zero-degrees C) all year around.



#### **5.2.4 Concrete**

Tetra Tech understands that at this time concrete footings are not planned as Stantec is intending on using a timber and beam spread footing system. If concrete is used, the recommendations in Section 5.1.5 should be adhered to.

#### **5.2.5 Seismic Site Classification**

NBCC 2015 requires that a seismic site classification be established for proposed buildings. Tetra Tech does not have any historical data related to soil consistency within the project site, as such, Tetra Tech's preliminary recommendation is that the Heritage Courthouse be considered Site Classification D, per Table 4.1.8.4.A in NBCC 2015.

#### **5.2.6 Effects of a Heated Basement on the Existing Subgrade**

Our opinion is that if there was permafrost at this location at some time in the past, it has now thawed, and there will be no detrimental effects of a heated basement on the foundation of this structure.

#### **5.2.7 Lateral Load on Basement Wall**

As previously provided to RATIO and Stantec, Tetra Tech recommends a equivalent fluid pressure of 1120 kg/m<sup>3</sup> under dry conditions, and 1620 kg/m<sup>3</sup> under fully saturated conditions.

## **6.0 LIMITATIONS OF REPORT**

This report and its contents are intended for the sole use of RATIO Architecture, Interior Design & Planning Inc. and their agents. Tetra Tech Canada Inc. does not accept any responsibility for the accuracy of any of the data, the analysis, or the recommendations contained or referenced in the report when the report is used or relied upon by any Party other than RATIO Architecture, Interior Design & Planning Inc., or for any Project other than the proposed development at the subject site. Any such unauthorized use of this report is at the sole risk of the user. Use of this document is subject to the Limitations on the Use of this Document attached in the Appendix or Contractual Terms and Conditions executed by both parties.

## 7.0 CLOSURE

We trust this document meets your present requirements. If you have any questions or comments, please contact the undersigned.

Respectfully submitted,  
Tetra Tech Canada Inc.



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## FIGURES

Figure 1      Site Plan Showing Historical Testhole Locations



Q:\Whitehorse\Data\0201\drawings\ Dawson City Area\ENG.WARC03404-01 SOG Service Building & Courthouse Desktop Study\ENG.WARC03404-01 Fig.1-R0.dwg [FIGURE 1] May 08, 2018 - 8:24:03 am (BY: BUCHAN, CAMERON)



#### LEGEND

- APPROXIMATE PROJECT EXTENTS
- ⊕ - BOREHOLE LOCATION
- ⊞ - TESTPIT LOCATION

0 50m  
Scale: 1:1,500 @ 8.5"x11"

#### CLIENT

**RATIO ARCHITECTURE  
INTERIOR DESIGN & PLANNING INC.**



**NEW SERVICE BUILDING & HERITAGE COURTHOUSE  
DAWSON CITY, YUKON**

**SITE PLAN SHOWING  
HISTORICAL TESTHOLE LOCATIONS**

PROJECT NO. ENG.WARC03404-01	DWN CB	CKD IM	REV 0
OFFICE EBA-WHSE	DATE April 24, 2018		

Figure 1

## APPENDIX A

### TETRA TECH'S LIMITATIONS ON THE USE OF THIS DOCUMENT



# **LIMITATIONS ON USE OF THIS DOCUMENT**

## **GEOTECHNICAL**

### **1.1 USE OF DOCUMENT AND OWNERSHIP**

This document pertains to a specific site, a specific development, and a specific scope of work. The document may include plans, drawings, profiles and other supporting documents that collectively constitute the document (the "Professional Document").

The Professional Document is intended for the sole use of TETRA TECH's Client (the "Client") as specifically identified in the TETRA TECH Services Agreement or other Contractual Agreement entered into with the Client (either of which is termed the "Contract" herein). TETRA TECH does not accept any responsibility for the accuracy of any of the data, analyses, recommendations or other contents of the Professional Document when it is used or relied upon by any party other than the Client, unless authorized in writing by TETRA TECH.

Any unauthorized use of the Professional Document is at the sole risk of the user. TETRA TECH accepts no responsibility whatsoever for any loss or damage where such loss or damage is alleged to be or, in fact, caused by the unauthorized use of the Professional Document.

Where TETRA TECH has expressly authorized the use of the Professional Document by a third party (an "Authorized Party"), consideration for such authorization is the Authorized Party's acceptance of these Limitations on Use of this Document as well as any limitations on liability contained in the Contract with the Client (all of which is collectively termed the "Limitations on Liability"). The Authorized Party should carefully review both these Limitations on Use of this Document and the Contract prior to making any use of the Professional Document. Any use made of the Professional Document by an Authorized Party constitutes the Authorized Party's express acceptance of, and agreement to, the Limitations on Liability.

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### **1.2 ALTERNATIVE DOCUMENT FORMAT**

Where TETRA TECH submits electronic file and/or hard copy versions of the Professional Document or any drawings or other project-related documents and deliverables (collectively termed TETRA TECH's "Instruments of Professional Service"), only the signed and/or sealed versions shall be considered final. The original signed and/or sealed electronic file and/or hard copy version archived by TETRA TECH shall be deemed to be the original. TETRA TECH will archive a protected digital copy of the original signed and/or sealed version for a period of 10 years.

Both electronic file and/or hard copy versions of TETRA TECH's Instruments of Professional Service shall not, under any circumstances, be altered by any party except TETRA TECH. TETRA TECH's Instruments of Professional Service will be used only and exactly as submitted by TETRA TECH.

Electronic files submitted by TETRA TECH have been prepared and submitted using specific software and hardware systems. TETRA TECH makes no representation about the compatibility of these files with the Client's current or future software and hardware systems.

### **1.3 STANDARD OF CARE**

Services performed by TETRA TECH for the Professional Document have been conducted in accordance with the Contract, in a manner consistent with the level of skill ordinarily exercised by members of the profession currently practicing under similar conditions in the jurisdiction in which the services are provided. Professional judgment has been applied in developing the conclusions and/or recommendations provided in this Professional Document. No warranty or guarantee, express or implied, is made concerning the test results, comments, recommendations, or any other portion of the Professional Document.

If any error or omission is detected by the Client or an Authorized Party, the error or omission must be immediately brought to the attention of TETRA TECH.

### **1.4 DISCLOSURE OF INFORMATION BY CLIENT**

The Client acknowledges that it has fully cooperated with TETRA TECH with respect to the provision of all available information on the past, present, and proposed conditions on the site, including historical information respecting the use of the site. The Client further acknowledges that in order for TETRA TECH to properly provide the services contracted for in the Contract, TETRA TECH has relied upon the Client with respect to both the full disclosure and accuracy of any such information.

### **1.5 INFORMATION PROVIDED TO TETRA TECH BY OTHERS**

During the performance of the work and the preparation of this Professional Document, TETRA TECH may have relied on information provided by third parties other than the Client.

While TETRA TECH endeavours to verify the accuracy of such information, TETRA TECH accepts no responsibility for the accuracy or the reliability of such information even where inaccurate or unreliable information impacts any recommendations, design or other deliverables and causes the Client or an Authorized Party loss or damage.

### **1.6 GENERAL LIMITATIONS OF DOCUMENT**

This Professional Document is based solely on the conditions presented and the data available to TETRA TECH at the time the data were collected in the field or gathered from available databases.

The Client, and any Authorized Party, acknowledges that the Professional Document is based on limited data and that the conclusions, opinions, and recommendations contained in the Professional Document are the result of the application of professional judgment to such limited data.

The Professional Document is not applicable to any other sites, nor should it be relied upon for types of development other than those to which it refers. Any variation from the site conditions present, or variation in assumed conditions which might form the basis of design or recommendations as outlined in this document, at or on the development proposed as of the date of the Professional Document requires a supplementary exploration, investigation, and assessment.

TETRA TECH is neither qualified to, nor is it making, any recommendations with respect to the purchase, sale, investment or development of the property, the decisions on which are the sole responsibility of the Client.

## 1.7 ENVIRONMENTAL AND REGULATORY ISSUES

Unless stipulated in the report, TETRA TECH has not been retained to explore, address or consider and has not explored, addressed or considered any environmental or regulatory issues associated with development on the subject site.

## 1.8 NATURE AND EXACTNESS OF SOIL AND ROCK DESCRIPTIONS

Classification and identification of soils and rocks are based upon commonly accepted systems, methods and standards employed in professional geotechnical practice. This report contains descriptions of the systems and methods used. Where deviations from the system or method prevail, they are specifically mentioned.

Classification and identification of geological units are judgmental in nature as to both type and condition. TETRA TECH does not warrant conditions represented herein as exact, but infers accuracy only to the extent that is common in practice.

Where subsurface conditions encountered during development are different from those described in this report, qualified geotechnical personnel should revisit the site and review recommendations in light of the actual conditions encountered.

## 1.9 LOGS OF TESTHOLES

The testhole logs are a compilation of conditions and classification of soils and rocks as obtained from field observations and laboratory testing of selected samples. Soil and rock zones have been interpreted. Change from one geological zone to the other, indicated on the logs as a distinct line, can be, in fact, transitional. The extent of transition is interpretive. Any circumstance which requires precise definition of soil or rock zone transition elevations may require further investigation and review.

## 1.10 STRATIGRAPHIC AND GEOLOGICAL INFORMATION

The stratigraphic and geological information indicated on drawings contained in this report are inferred from logs of test holes and/or soil/rock exposures. Stratigraphy is known only at the locations of the test hole or exposure. Actual geology and stratigraphy between test holes and/or exposures may vary from that shown on these drawings. Natural variations in geological conditions are inherent and are a function of the historical environment. TETRA TECH does not represent the conditions illustrated as exact but recognizes that variations will exist. Where knowledge of more precise locations of geological units is necessary, additional exploration and review may be necessary.

## 1.11 PROTECTION OF EXPOSED GROUND

Excavation and construction operations expose geological materials to climatic elements (freeze/thaw, wet/dry) and/or mechanical disturbance which can cause severe deterioration. Unless otherwise specifically indicated in this report, the walls and floors of excavations must be protected from the elements, particularly moisture, desiccation, frost action and construction traffic.

## 1.12 SUPPORT OF ADJACENT GROUND AND STRUCTURES

Unless otherwise specifically advised, support of ground and structures adjacent to the anticipated construction and preservation of adjacent ground and structures from the adverse impact of construction activity is required.

## 1.13 INFLUENCE OF CONSTRUCTION ACTIVITY

Construction activity can impact structural performance of adjacent buildings and other installations. The influence of all anticipated construction activities should be considered by the contractor, owner, architect and prime engineer in consultation with a geotechnical engineer when the final design and construction techniques, and construction sequence are known.

## 1.14 OBSERVATIONS DURING CONSTRUCTION

Because of the nature of geological deposits, the judgmental nature of geotechnical engineering, and the potential of adverse circumstances arising from construction activity, observations during site preparation, excavation and construction should be carried out by a geotechnical engineer. These observations may then serve as the basis for confirmation and/or alteration of geotechnical recommendations or design guidelines presented herein.

## 1.15 DRAINAGE SYSTEMS

Where temporary or permanent drainage systems are installed within or around a structure, the systems which will be installed must protect the structure from loss of ground due to internal erosion and must be designed so as to assure continued satisfactory performance of the drains. Specific design detail of such systems should be developed or reviewed by the geotechnical engineer. Unless otherwise specified, it is a condition of this report that effective temporary and permanent drainage systems are required and that they must be considered in relation to project purpose and function.

## 1.16 DESIGN PARAMETERS

Bearing capacities for Limit States or Allowable Stress Design, strength/stiffness properties and similar geotechnical design parameters quoted in this report relate to a specific soil or rock type and condition. Construction activity and environmental circumstances can materially change the condition of soil or rock. The elevation at which a soil or rock type occurs is variable. It is a requirement of this report that structural elements be founded in and/or upon geological materials of the type and in the condition used in this report. Sufficient observations should be made by qualified geotechnical personnel during construction to assure that the soil and/or rock conditions considered in this report in fact exist at the site.

## 1.17 SAMPLES

TETRA TECH will retain all soil and rock samples for 30 days after this report is issued. Further storage or transfer of samples can be made at the Client's expense upon written request, otherwise samples will be discarded.

## 1.18 APPLICABLE CODES, STANDARDS, GUIDELINES & BEST PRACTICE

This document has been prepared based on the applicable codes, standards, guidelines or best practice as identified in the report. Some mandated codes, standards and guidelines (such as ASTM, AASHTO Bridge Design/Construction Codes, Canadian Highway Bridge Design Code, National/Provincial Building Codes) are routinely updated and corrections made. TETRA TECH cannot predict nor be held liable for any such future changes, amendments, errors or omissions in these documents that may have a bearing on the assessment, design or analyses included in this report.

## APPENDIX B

### HISTORICAL TESTHOLE LOGS



## TERMS USED ON BOREHOLE LOGS

### TERMS DESCRIBING CONSISTENCY OR CONDITION

**COARSE GRAINED SOILS** (major portion retained on 0.075mm sieve): Includes (1) clean gravels and sands, and (2) silty or clayey gravels and sands. Condition is rated according to relative density, as inferred from laboratory or in situ tests.

DESCRIPTIVE TERM	RELATIVE DENSITY	N (blows per 0.3m)
Very Loose	0 TO 20%	0 to 4
Loose	20 TO 40%	4 to 10
Compact	40 TO 75%	10 to 30
Dense	75 TO 90%	30 to 50
Very Dense	90 TO 100%	greater than 50

The number of blows, N, on a 51mm O.D. split spoon sampler of a 63.5kg weight falling 0.76m, required to drive the sampler a distance of 0.3m from 0.15m to 0.45m.

**FINE GRAINED SOILS** (major portion passing 0.075mm sieve): Includes (1) inorganic and organic silts and clays, (2) gravelly, sandy, or silty clays, and (3) clayey silts. Consistency is rated according to shearing strength, as estimated from laboratory or in situ tests.

DESCRIPTIVE TERM	UNCONFINED COMPRESSIVE STRENGTH (KPA)
Very Soft	Less than 25
Soft	25 to 50
Firm	50 to 100
Stiff	100 to 200
Very Stiff	200 to 400
Hard	Greater than 400

**NOTE:** Slickensided and fissured clays may have lower unconfined compressive strengths than shown above, because of planes of weakness or cracks in the soil.

### GENERAL DESCRIPTIVE TERMS

**Slickensided** - having inclined planes of weakness that are slick and glossy in appearance.

**Fissured** - containing shrinkage cracks, frequently filled with fine sand or silt; usually more or less vertical.

**Laminated** - composed of thin layers of varying colour and texture.

**Interbedded** - composed of alternate layers of different soil types.

**Calcareous** - containing appreciable quantities of calcium carbonate.;

**Well graded** - having wide range in grain sizes and substantial amounts of intermediate particle sizes.

**Poorly graded** - predominantly of one grain size, or having a range of sizes with some intermediate size missing.

# MODIFIED UNIFIED SOIL CLASSIFICATION

MAJOR DIVISION			GROUP SYMBOL	TYPICAL DESCRIPTION	LABORATORY CLASSIFICATION CRITERIA					
COARSE - GRAINED SOILS  More than 50% retained on No. 75 µm sieve*	GRAVELS  50% or more of coarse fraction retained on No. 4 sieve	CLEAN GRAVELS	GW	Well-graded gravels and gravel-sand mixtures, little or no fines	Classification on basis of percentage of fines  GW, GP, SW, SP GM, GC, SM, SC  Borderline classification requiring use of dual symbols	$C_u = D_{60} / D_{10}$ Greater than 4 $C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}}$ Between 1 and 3				
			GP	Poorly-graded gravels and gravel-sand mixtures, little or no fines		Not meeting both criteria for GW				
		GRAVELS WITH FINES	GM	Silty gravels, gravel-sand-silt mixtures		Atterberg limits plot below 'A' line or plasticity index less than 4	Atterberg limits plotting in hatched area are borderline classifications requiring use of dual symbols			
			GC	Clayey gravels, gravel-sand-clay mixtures		Atterberg limits plot above 'A' line and plasticity index greater than 7				
	SANDS  More than 50% of coarse fraction passes No. 4 sieve	CLEAN SANDS	SW	Well-graded sands and gravelly sands, little or no fines		$C_u = D_{60} / D_{10}$ Greater than 6 $C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}}$ Between 1 and 3				
			SP	Poorly-graded sands and gravelly sands, little or no fines		Not meeting both criteria for SW				
		SANDS WITH FINES	SM	Silty sands, sand-silt mixtures		Atterberg limits plot above 'A' line and plasticity index less than 4	Atterberg limits plotting in hatched area are borderline classifications requiring use of dual symbols			
			SC	Clayey sands, sand-clay mixtures		Atterberg limits plot above 'A' line and plasticity index greater than 7				
FINE-GRAINED SOILS (by behavior)  50% or more passes 75 µm sieve*	SILTS	Liquid limit	<50	ML	Inorganic silts, very fine sands, rock flour, silty or clayey fine sands of slight plasticity	<div>60</div> <div>50</div> <div>40</div> <div>30</div> <div>20</div> <div>10</div> <div>7</div> <div>4</div> <div>0</div> <div>0</div> <div>10</div> <div>20</div> <div>30</div> <div>40</div> <div>50</div> <div>60</div> <div>70</div> <div>80</div> <div>90</div> <div>100</div> <div>PLASTICITY CHART</div> <div>For classification of fine-grained soils and fine fraction of coarse-grained soils</div> <div>Equation of 'A' line: <math>PI = 0.73(LL - 20)</math></div> <div></div>				
			>50	MH	Inorganic silts, micaceous or diatomaceous fine sands or silts, elastic silts					
	CLAYS	Above "A" line on plasticity chart negligible organic content	Liquid limit	<30	CL			Inorganic clays of low plasticity, gravelly clays, sandy clays, silty clays, lean clays		
				30-50	CI			Inorganic clay of medium plasticity, silty clays		
				>50	CH			Inorganic clay of high plasticity, fat clays		
	ORGANIC SILTS AND CLAYS	Liquid limit	<50	OL	Organic silts and organic silty clays of low plasticity					
			>50	OH	Organic clays of medium to high plasticity					
	HIGHLY ORGANIC SOILS				PT			Peat, muck and other highly organic soils	* Based on the material passing the 75 mm sieve † ASTM Designation D 2487, for identification procedure see D 2488 USC as modified by PFRA	

\* Based on the material passing the 75 mm sieve

† ASTM Designation D 2487, for identification procedure see D 2488 USC as modified by PFRA

## GROUND ICE DESCRIPTION

### ICE NOT VISIBLE

GROUP SYMBOL	SYMBOL	SUBGROUP DESCRIPTION	
N	Nf	Poorly-bonded or friable	
	Nbn	No excess ice, well-bonded	
	Nbe	Excess ice, well-bonded	

#### NOTES:

- Dual symbols are used to indicate borderline or mixed ice classifications.
- Visual estimates of ice contents indicated on borehole logs  $\pm$  5%
- This system of ground ice description has been modified from NRC Technical Memo 79, Guide to the Field Description of Permafrost for Engineering Purposes.

#### LEGEND:

Soil Ice

### VISIBLE ICE LESS THAN 50% BY VOLUME

GROUP SYMBOL	SYMBOL	SUBGROUP DESCRIPTION	
V	Vx	Individual ice crystals or inclusions	
	Vc	Ice coatings on particles	
	Vr	Random or irregularly oriented ice formations	
	Vs	Stratified or distinctly oriented ice formations	

### VISIBLE ICE GREATER THAN 50% BY VOLUME

ICE	ICE + Soil Type	Ice with soil inclusions	
	ICE	Ice without soil inclusions (greater than 25 mm thick)	

# BOREHOLE LOG PERMAFROST REGION

DEPTH (feet)	SOIL DESCRIPTION	SAMPLE	GROUND ICE CONDITION	MOISTURE CONTENT % ●							
				SPT RESISTANCE ▲							
				10	20	30	40	50	60	70	
1	GRAVEL AND SAND (FILL) - med. brown - very silty		UNFROZEN								
2											
3	PEAT										
4	- wet										
5			FROZEN								
6	- dark brown - fibrous - some silt		Vr 30-40%						272%	●	
7											
8	- more silt										
9	SILT AND ORGANICS		Vr 5-10%						300%	●	
10	ICE										
11	- 2" vertical wedge		T = 31.0°F								
12	SILT		Vs 15-25%								
13	- med. lt. grey - some organics - $\gamma_f = 89$ pcf		Vs 10% Vs 25-35% T = 30.6°F								
14	SILT AND SAND		Vs 5-15%								
15	- med. grey brown - sand is very fine, uniform grained										
16	GRAVEL										
17	END OF HOLE										

PROJECT  
DAWSON CITY

DATE June 8, 1977

LOGGED BY DK

ELEVATION 1050.4 ft

DEPTH 12.9 ft

HOLE NO.  
BH 77-12

SHEET  
1 of 1

Hydrocarbon Spill Assessment		Government of Canada - Parks Canada		BOREHOLE NO: 15155-TP01		
Klondike National Historic Sites		Backhoe - rubber tired		PROJECT NO: 0201-01-15155		
Dawson City, YT		UTM ZONE: - N - E -		ELEVATION:		
SAMPLE TYPE		<input checked="" type="checkbox"/> GRAB SAMPLE <input type="checkbox"/> NO RECOVERY <input checked="" type="checkbox"/> STANDARD PEN. <input type="checkbox"/> 75 mm SPOON <input type="checkbox"/> CRREL BARREL				
Depth(m)	SAMPLE TYPE	RUN NO	SPT(N)	USC	SOIL SYMBOL	
SOIL DESCRIPTION						
<div> <div> <div>STANDARD PENETRATION</div> <div>10 20 30 40</div> </div> <div> <div>PERCENT GRAVEL</div> <div>20 40 60 80</div> </div> <div> <div>PERCENT SAND</div> <div>20 40 60 80</div> </div> <div> <div>PERCENT SILT OR FINES</div> <div>20 40 60 80</div> </div> <div> <div>PERCENT CLAY</div> <div>20 40 60 80</div> </div> </div> <div> <div>PLASTIC</div> <div>M.C.</div> <div>LIQUID</div> </div> <div> <div>10 20 30 40</div> </div>						ELEVATION(ft)
0.0					Sandy GRAVEL (fill) gravel to 20 mm, rounded, damp	
1.0					SILT - some sand, inter bedded organic layers - 10 mm, moist, silt light brown, tree branches through interbedded layers Frozen END OF HOLE @ 1.0 m	
2.0						
3.0						
4.0						
<div> <div>EBA Engineering Consultants Ltd.</div> <div>Whitehorse, Yukon</div> </div> <div> <div>LOGGED BY: DJW</div> <div>REVIEWED BY: JRT</div> </div> <div> <div>COMPLETION DEPTH: 1 m</div> <div>COMPLETE: 16/06/01</div> </div> <div>Page 1 of 1</div>						

Hydrocarbon Spill Assessment			Government of Canada - Parks Canada			BOREHOLE NO: 15155-TP02		
Klondike National Historic Sites			Backhoe - rubber tired			PROJECT NO: 0201-01-15155		
Dawson City, YT			UTM ZONE: - N - E -			ELEVATION:		
SAMPLE TYPE			<input type="checkbox"/> GRAB SAMPLE <input checked="" type="checkbox"/> NO RECOVERY <input checked="" type="checkbox"/> STANDARD PEN. <input type="checkbox"/> 75 mm SPOON <input type="checkbox"/> CORREL BARREL					

Depth(m)	SAMPLE TYPE	RUN NO	SPT(N)	USC	SOIL SYMBOL	SOIL DESCRIPTION	STANDARD PENETRATION		PERCENT GRAVEL		PERCENT SAND		PERCENT SILT OR FINES		PERCENT CLAY		ELEVATION(ft)						
							10	20	30	40	20	40	60	80	20	40		60	80	20	40	60	80
							PLASTIC                      M.C.                      LIQUID																
							10    20    30    40								20    40    60    80								
0.0						Sandy GRAVEL (fill) gravel to 20 mm, damp													0.0				
						SILT - dense, light brown, interbedded, organic layers, 10 mm, damp													-2.0				
1.0						Frozen. END OF HOLE @ 1.1 m													-4.0				
2.0																			-6.0				
3.0																			-8.0				
4.0																			-10.0				
																			-12.0				
																			-14.0				

EBA Engineering Consultants Ltd. Whitehorse, Yukon		LOGGED BY: DJW	COMPLETION DEPTH: 1.1 m
		REVIEWED BY: JRT	COMPLETE: 16/06/01

Hydrocarbon Spill Assessment			Government of Canada - Parks Canada			BOREHOLE NO: 15155-TP03		
Klondike National Historic Sites			Backhoe - rubber tired			PROJECT NO: 0201-01-15155		
Dawson City, YT			UTM ZONE: - N - E -			ELEVATION:		
SAMPLE TYPE			<input checked="" type="checkbox"/> GRAB SAMPLE <input type="checkbox"/> NO RECOVERY <input checked="" type="checkbox"/> STANDARD PEN. <input type="checkbox"/> 75 mm SPOON <input type="checkbox"/> CORREL BARREL					

Depth(m)	SAMPLE TYPE	RUN NO	SPT(N)	USC	SOIL SYMBOL	SOIL DESCRIPTION	<div style="border: 1px solid black; padding: 2px; text-align: center;">           STANDARD PENETRATION            10   20   30   40         </div>	<div style="border: 1px solid black; padding: 2px; text-align: center;">           PERCENT GRAVEL            20   40   60   80         </div>	<div style="border: 1px solid black; padding: 2px; text-align: center;">           PERCENT SAND            20   40   60   80         </div>	ELEVATION(ft)		
							<div style="display: flex; justify-content: space-between; font-size: small;"> <span>PLASTIC</span> <span>M.C.</span> <span>LIQUID</span> </div> <div style="text-align: center; margin-top: 5px;"> </div>				<div style="border: 1px solid black; padding: 2px; text-align: center;">           PERCENT SILT OR FINES            20   40   60   80         </div>	<div style="border: 1px solid black; padding: 2px; text-align: center;">           PERCENT CLAY            20   40   60   80         </div>
0.0						Sandy GRAVEL (fill) gravel to 20 mm, damp				0.0		
						SILT, some sand, organic layers 10 mm, interbedded, compact, silt, light brown, damp to moist				-2.0		
1.0						Frozen. END OF HOLE @ 1.1 m				-4.0		
										-6.0		
										-8.0		
										-10.0		
										-12.0		
										-14.0		

EBA Engineering Consultants Ltd. Whitehorse, Yukon		LOGGED BY: DJW	COMPLETION DEPTH: 1 m
		REVIEWED BY: JRT	COMPLETE: 16/06/01
		Page 1 of 1	

Hydrocarbon Spill Assessment				Government of Canada – Parks Canada				BOREHOLE NO: 15155-TP04							
Klondike National Historic Sites				Backhoe – rubber tired				PROJECT NO: 0201-01-15155							
Dawson City, YT				UTM ZONE: - N - E -				ELEVATION:							
SAMPLE TYPE <input checked="" type="checkbox"/> GRAB SAMPLE <input checked="" type="checkbox"/> NO RECOVERY <input checked="" type="checkbox"/> STANDARD PEN. <input type="checkbox"/> 75 mm SPOON <input type="checkbox"/> CORREL BARREL															
Depth(m)	SAMPLE TYPE	RUN NO	SPT(N)	USC	SOIL SYMBOL	SOIL DESCRIPTION	STANDARD PENETRATION				PERCENT GRAVEL				ELEVATION(ft)
							10   20   30   40				20   40   60   80				
							PLASTIC                      M.C.                      LIQUID				● PERCENT SAND ●				
							10   20   30   40				20   40   60   80				
0.0						Sandy GRAVEL (fill) gravel to 20 mm, rounded, damp									0.0
						SILT, some sand, interbedded, organic layers – 10 mm, moist, light brown									-2.0
1.0						Frozen. END OF HOLE @ 1.1 m									-4.0
2.0															-6.0
3.0															-8.0
4.0															-10.0
															-12.0
															-14.0

<b>EBA Engineering Consultants Ltd.</b> Whitehorse, Yukon		LOGGED BY: DJW	COMPLETION DEPTH: 1.1 m
		REVIEWED BY: JRT	COMPLETE: 16/06/01
		Page 1 of 1	

New Secondary Sewage Treatment Plant			CLIENT: City of Dawson			BOREHOLE NO: 1200023-MW02		
5th Avenue Site			DRILL: Solid Shaft Auger			PROJECT NO: 0201-1200023		
Dawson City, YT			UTM ZONE: 7 N7104490 E576380			ELEVATION:		
SAMPLE TYPE		<input checked="" type="checkbox"/> GRAB SAMPLE	<input checked="" type="checkbox"/> NO RECOVERY	<input checked="" type="checkbox"/> STANDARD PEN.	<input checked="" type="checkbox"/> 75 mm SPLIT SP.	<input type="checkbox"/> CORREL BARREL	<input type="checkbox"/> NW CORE	
BACKFILL TYPE		<input type="checkbox"/> BENTONITE	<input type="checkbox"/> PEA GRAVEL	<input type="checkbox"/> SLOUGH	<input type="checkbox"/> GROUT	<input type="checkbox"/> DRILL CUTTINGS	<input type="checkbox"/> SAND	

Depth(m)	SAMPLE TYPE	RUN NO	SOIL SYMBOL	SOIL DESCRIPTION	STANDARD PENETRATION			PERCENT CLAY			ELEVATION(m)		
					10 20 30 40			20 40 60 80					
					VAPOUR EMISSIONS			PERCENT SILT OR FINES					
					120 240 360 480			20 40 60 80					
					PLASTIC M.C. LIQUID			PERCENT SAND			PERCENT GRAVEL		
					10 20 30 40			20 40 60 80			20 40 60 80		
0.0				FILL - crushed gravel over white channel gravel									0.0
1.0				SILT - sandy, trace of organics									
2.0													
3.0				GRAVEL - sandy, some cobbles									
4.0													
5.0													
6.0				- cobbles and boulders below 6.0 m									
7.0													
8.0													
9.0				END OF BOREHOLE @ 8.8 m Note: 50 mm steel pipe, with holes cut in bottom 3 m, installed to 8.8 m - 0.57 m stickup									
10.0													

<b>EBA Engineering Consultants Ltd.</b> Whitehorse, Yukon		LOGGED BY: DJW	COMPLETION DEPTH: 3.2 m
		REVIEWED BY: JRT	COMPLETE: 30/11/02



SETTLEMENT EVALUATION-NURSE'S RESIDENCE		CLIENT: STANLEY ASSOCIATES ENG. LTD.		BOREHOLE No. 10323-01	
FIFTH AVENUE AND TURNER STREET		BACKHOE: BANTAM C-366		Project No: 0201-10323	
DAWSON CITY, YUKON		UTM ZONE: 8 N7103850.00 E576300.00		ELEVATION 0.00 (m)	
SAMPLE TYPE <input checked="" type="checkbox"/> GRAB SAMPLE <input checked="" type="checkbox"/> NO RECOVERY <input checked="" type="checkbox"/> STANDARD PEN.		<input checked="" type="checkbox"/> 75 mm SPOON <input type="checkbox"/> 75 mm CRREL <input type="checkbox"/> 100 mm CRREL			

DEPTH (m)	SAMPLE TYPE	SAMPLE NO	USC	SOIL DESCRIPTION	STANDARD PENETRATION		PERCENT GRAVEL				DEPTH (ft)
					20	40	60	80	20	40	
0.0				TOPSOIL over white channel gravel FILL							0.0
				FILL-organic silt, pieces of timber, car parts, diesel and paint odour							-2.0
-1.0				- timber mud sill at 1.2 m							-4.0
				SILT-sandy, trace of gravel, black organic laminations, moist to wet, olive brown							-6.0
-2.0		1		- unfrozen							-8.0
				SAND AND SILT-black organics throughout							-10.0
-3.0				- light brown sand layer							-12.0
				- Temperature = +2.1 degrees C.							-14.0
				- wet below 3.5 m							-16.0
-4.0		2		- dark grey silt and sand, organic							
				- just touching gravel at 4.2 m							
				END OF BOREHOLE AT 4.2 m							
5.0											

EBA Engineering Consultants Ltd. Whitehorse, Yukon		COMPLETION DEPTH 4.2 m		COMPLETE 90/05/08	
LOGGED BY JRT		DWG NO.		Page 1 of 1	

SETTLEMENT EVALUATION-NURSE'S RESIDENCE			CLIENT: STANLEY ASSOCIATES ENG. LTD.			BOREHOLE No. 10323-02			
FIFTH AND TURNER STREET			BACKHOE: BANTAM C-366			Project No: Q201-10323			
DAWSON CITY, YUKON			UTM ZONE: 8 N7103850.00 E576300.00			ELEVATION 0.00 (m)			
SAMPLE TYPE <input checked="" type="checkbox"/> GRAB SAMPLE <input checked="" type="checkbox"/> NO RECOVERY <input checked="" type="checkbox"/> STANDARD PEN. <input type="checkbox"/> 75 mm SPOON <input type="checkbox"/> 75 mm CRREL <input type="checkbox"/> 100 mm CRREL									
DEPTH (m)	SAMPLE TYPE	SAMPLE NO	USC	SOIL DESCRIPTION	STANDARD PENETRATION		PERCENT GRAVEL		DEPTH (ft)
					20 40 60 80	20 40 60 80	PERCENT SAND	PERCENT FINES	
0.0				TOPSOIL over white channel gravel					0.0
				- seasonal frost from 0.8 - 1.7 m					2.0
-1.0				- dark brown organic silt FILL, with pieces of wood from 0.8 - 1.2 m					
				SILT-sandy, interbedded with organic silt, some rootlets throughout, moist to wet, dark grey					4.0
				- unfrozen					6.0
-2.0									
				SAND AND SILT-uniform in appearance, dry to damp, grey brown					8.0
				- unfrozen					10.0
-3.0									
				END OF TEST PIT AT 3.8 m					12.0
				NOTE: -No sample taken--probe hole only.					14.0
-4.0									
									16.0
-5.0									
EBA Engineering Consultants Ltd.					COMPLETION DEPTH 3.8 m		COMPLETE 90/05/08		
Whitehorse, Yukon					LOGGED BY JRT		DWG NO.		Page 1 of 1

Geotechnical Evaluation		CLIENT: Yukon Housing Corp.		PROJECT NO. - TESTPIT NO.															
Proposed Multi-Storey Apartment Building		EXCAVATOR: CAT 416B Rubber Tire		W14101343-TP01															
Dawson City, YT		7104191N; 576201E; Zone 7																	
<table style="width: 100%; font-size: small;"> <tr> <td>SAMPLE TYPE</td> <td><input checked="" type="checkbox"/> DISTURBED</td> <td><input checked="" type="checkbox"/> NO RECOVERY</td> <td><input checked="" type="checkbox"/> SPT</td> <td><input type="checkbox"/> A-CASING</td> <td><input type="checkbox"/> SHELBY TUBE</td> <td><input type="checkbox"/> CORE</td> </tr> <tr> <td>BACKFILL TYPE</td> <td><input type="checkbox"/> BENTONITE</td> <td><input type="checkbox"/> PEA GRAVEL</td> <td><input type="checkbox"/> SLOUGH</td> <td><input type="checkbox"/> GROUT</td> <td><input type="checkbox"/> DRILL CUTTINGS</td> <td><input type="checkbox"/> SAND</td> </tr> </table>						SAMPLE TYPE	<input checked="" type="checkbox"/> DISTURBED	<input checked="" type="checkbox"/> NO RECOVERY	<input checked="" type="checkbox"/> SPT	<input type="checkbox"/> A-CASING	<input type="checkbox"/> SHELBY TUBE	<input type="checkbox"/> CORE	BACKFILL TYPE	<input type="checkbox"/> BENTONITE	<input type="checkbox"/> PEA GRAVEL	<input type="checkbox"/> SLOUGH	<input type="checkbox"/> GROUT	<input type="checkbox"/> DRILL CUTTINGS	<input type="checkbox"/> SAND
SAMPLE TYPE	<input checked="" type="checkbox"/> DISTURBED	<input checked="" type="checkbox"/> NO RECOVERY	<input checked="" type="checkbox"/> SPT	<input type="checkbox"/> A-CASING	<input type="checkbox"/> SHELBY TUBE	<input type="checkbox"/> CORE													
BACKFILL TYPE	<input type="checkbox"/> BENTONITE	<input type="checkbox"/> PEA GRAVEL	<input type="checkbox"/> SLOUGH	<input type="checkbox"/> GROUT	<input type="checkbox"/> DRILL CUTTINGS	<input type="checkbox"/> SAND													
Depth (m)	SOIL DESCRIPTION	SAMPLE TYPE	MOISTURE CONTENT	<table style="width: 100%; font-size: x-small;"> <tr> <td colspan="3">PLASTIC      M.C.      LIQUID</td> </tr> <tr> <td style="text-align: center;">20</td> <td style="text-align: center;">40</td> <td style="text-align: center;">60</td> </tr> </table>	PLASTIC      M.C.      LIQUID			20	40	60	<table style="width: 100%; font-size: x-small;"> <tr> <td colspan="2">STANDARD PENETRATION (N)</td> </tr> <tr> <td style="text-align: center;">20    40    60    80</td> </tr> <tr> <td style="text-align: center;">◆ UNCONFINED (kPa) ◆</td> </tr> <tr> <td style="text-align: center;">50    100    150    200</td> </tr> <tr> <td style="text-align: center;">▲ POCKET PEN. (kPa) ▲</td> </tr> <tr> <td style="text-align: center;">100    200    300    400</td> </tr> </table>	STANDARD PENETRATION (N)		20    40    60    80	◆ UNCONFINED (kPa) ◆	50    100    150    200	▲ POCKET PEN. (kPa) ▲	100    200    300    400	Depth (ft)
PLASTIC      M.C.      LIQUID																			
20	40	60																	
STANDARD PENETRATION (N)																			
20    40    60    80																			
◆ UNCONFINED (kPa) ◆																			
50    100    150    200																			
▲ POCKET PEN. (kPa) ▲																			
100    200    300    400																			
0	GRAVEL (FILL) - sandy, trace to some silt, well graded subrounded gravel, medium to coarse grained sand, compact, damp, greyish white - trace silt below 0.2 m	7.7	●			0													
1	- gravel becomes white channel  - wood debris	5.4	●			5													
2	SILT - some clay, some sand, rootlets and organics, fine grained, dense, moist, dark grey	11.3	●																
3		25	●			10													
4		34.7	●																
5	GRAVEL AND SAND - trace of silt, well graded subrounded gravel, medium to coarse sand, compact, moist, mottled brown END OF TESTPIT 4.5 m	4.5	●			15													
5						16													

**EBA Engineering Consultants Ltd.**

LOGGED BY: JSB  
 REVIEWED BY: CJD  
 DRAWING NO:

COMPLETION DEPTH: 4.5m  
 COMPLETE: 10/9/2009  
 Page 1 of 1



Geotechnical Evaluation		CLIENT: Yukon Housing Corp.		PROJECT NO. - TESTPIT NO.	
Proposed Multi-Storey Apartment Building		EXCAVATOR: CAT 416B Rubber Tire		W14101343-TP03	
Dawson City, YT		7104167N; 576215E; Zone 7			

SAMPLE TYPE	<input checked="" type="checkbox"/> DISTURBED	<input type="checkbox"/> NO RECOVERY	<input checked="" type="checkbox"/> SPT	<input type="checkbox"/> A-CASING	<input type="checkbox"/> SHELBY TUBE	<input type="checkbox"/> CORE
BACKFILL TYPE	<input checked="" type="checkbox"/> BENTONITE	<input type="checkbox"/> PEA GRAVEL	<input type="checkbox"/> SLOUGH	<input type="checkbox"/> GROUT	<input type="checkbox"/> DRILL CUTTINGS	<input type="checkbox"/> SAND

Depth (m)	SOIL DESCRIPTION	SAMPLE TYPE	MOISTURE CONTENT	PLASTIC	M.C.	LIQUID	STANDARD PENETRATION (N)	UNCONFINED (kPa)	POCKET PEN. (kPa)	Depth (ft)
0	ORGANIC COVER - grass									0
	GRAVEL (FILL WHITE CHANNEL) - sandy, trace of silt, well graded sub-rounded gravel, medium to coarse sand, loose to compact, damp, grayish white									
	ORGANIC ROOT MAT									
	SILT AND SAND - fine grained, dense, moist, olive brown		43.4							
1										
	- becomes fine to medium grained sand									
	- becomes silty around 1.8 m									
2			16							
	- interbedded layers of silt and sand, 75 mm to 100 mm thick silt, 25 mm to 50 mm thick sand									
3	END OF TESTPIT 2.9 m		27.4							10
4										15
5										16

LOGGED BY: JSB

REVIEWED BY: CJD

DRAWING NO:

**EBA Engineering Consultants Ltd.**

GEOTECHNICAL W14101343.GPJ EBA.GOT 09/11/13

COMPLETION DEPTH: 2.8m

COMPLETE: 10/9/2009

Page 1 of 1

GEO TECHNICAL W14101343.GPJ EBA.GDT 09/11/13



Geotechnical Evaluation		CLIENT: Yukon Housing Corp.		PROJECT NO. - TESTPIT NO.	
Proposed Multi-Storey Apartment Building		EXCAVATOR: CAT 416B Rubber Tire		W14101343-TP05	
Dawson City, YT		7104158N; 576236E; Zone 7			
SAMPLE TYPE <input checked="" type="checkbox"/> DISTURBED <input checked="" type="checkbox"/> NO RECOVERY <input checked="" type="checkbox"/> SPT <input type="checkbox"/> A-CASING <input type="checkbox"/> SHELBY TUBE <input type="checkbox"/> CORE					
BACKFILL TYPE <input type="checkbox"/> BENTONITE <input type="checkbox"/> PEA GRAVEL <input type="checkbox"/> SLOUGH <input type="checkbox"/> GROUT <input type="checkbox"/> DRILL CUTTINGS <input type="checkbox"/> SAND					
Depth (m)	SOIL DESCRIPTION	SAMPLE TYPE	MOISTURE CONTENT	STANDARD PENETRATION (N)	Depth (ft)
			PLASTIC M.C. LIQUID 20 40 60 80	20 40 60 80 ◆ UNCONFINED (kPa) ◆ 50 100 150 200 ▲ POCKET PEN. (kPa) ▲ 100 200 300 400	
0	ORGANIC ROOT MAT				0
	SILT - some sand, trace clay, fine grained, soft, damp, brown				
	- becomes sand, fine to medium grained around 0.5 m				
	- trace to some silt below 0.5 m				
1					
	- rootlets to 1.2 m				
2					
	GRAVEL - sandy, trace silt, well graded rounded gravel, medium to coarse sand, compact, dry				
	END OF TESTPIT 2.7 m				
3					10
4					
5					15
6					16

**EBA Engineering Consultants Ltd.**

LOGGED BY: JSB  
 REVIEWED BY: CJD  
 DRAWING NO:

COMPLETION DEPTH: 2.7m  
 COMPLETE: 10/9/2009  
 Page 1 of 1

Geotechnical Evaluation		CLIENT: Yukon Housing Corp.		PROJECT NO. - TESTPIT NO.	
Proposed Multi-Storey Apartment Building		EXCAVATOR: CAT 416B Rubber Tire		W14101343-TP06	
Dawson City, YT		7104144N; 576232E; Zone 7			
SAMPLE TYPE	<input checked="" type="checkbox"/> DISTURBED	<input checked="" type="checkbox"/> NO RECOVERY	<input checked="" type="checkbox"/> SPT	<input checked="" type="checkbox"/> A-CASING	<input checked="" type="checkbox"/> SHELBY TUBE
BACKFILL TYPE	<input checked="" type="checkbox"/> BENTONITE	<input checked="" type="checkbox"/> PEA GRAVEL	<input checked="" type="checkbox"/> SLOUGH	<input checked="" type="checkbox"/> GROUT	<input checked="" type="checkbox"/> DRILL CUTTINGS
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center; font-weight: bold;">SOIL DESCRIPTION</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Depth (m)</p> <p>0</p> <p>1</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> </div> <div style="width: 50%;"> <p>GRAVEL (FILL WHITE CHANNEL) - sandy, trace silt, well graded sub-rounded gravel, medium to coarse sand, compact, damp, whitish grey</p> <p>- concrete debris encountered around 1.5 to 2.0 m</p> <p>SILT - sandy, fine grained, damp, dense, olive brown</p> <p>END OF TESTPIT 2.8 m</p> <p>- major sloughing throughout gravel layer</p> </div> </div> </div> <div style="width: 10%;"> <p>SAMPLE TYPE</p> <p>MOISTURE CONTENT</p> <p>33.1</p> </div> <div style="width: 40%;"> <p>PLASTIC    M.C.    LIQUID</p> <p>20    40    60    80</p> </div> <div style="width: 45%;"> <p>STANDARD PENETRATION (N)</p> <p>20    40    60    80</p> <p>◆ UNCONFINED (kPa) ◆</p> <p>50    100    150    200</p> <p>▲ POCKET PEN. (kPa) ▲</p> <p>100    200    300    400</p> </div> <div style="width: 5%;"> <p>Depth (ft)</p> <p>0</p> <p>5</p> <p>10</p> <p>15</p> <p>16</p> </div> </div>					
<b>EBA Engineering Consultants Ltd.</b>			LOGGED BY: JSB		COMPLETION DEPTH: 2.8m
			REVIEWED BY: CJD		COMPLETE: 10/9/2009
			DRAWING NO:		Page 1 of 1

# Yukon Government

## Borehole No: BH17-01

Project: Dawson City Water Treatment Plant

Project No: W14103567-25

Location: Fifth Ave. and Turner St. - Lots 13-14

Dawson City, YT

UTM: 576243 E; 7104080 N; Z 7 NAD83

Depth (m)	Method	Soil Description	Ground Ice Description	Sample Type	Sample Number	Moisture Content (%)	Plastic Limit	Moisture Content	Liquid Limit	Depth (ft)
0							20	40	60	0
1		SAND and GRAVEL (FILL) - trace silt, well graded, frozen, light brown	Seasonally Frozen		SA01	6.3				1
2		PEAT - silty, frozen, fibrous, dark brown								2
3		ORGANIC SILT - some sand, some clay, frozen, dark brown, some fibrous organic inclusions			SA02	30.2				3
4		- moist, soft	Unfrozen							4
5		SILT - some sand, some clay, moist, soft, dark brown			SA03	28				5
6										6
7		GRAVEL - sandy, possible cobbles, poorly graded, moist, loose, brownish grey			SA04	8.5				7
8										8
9		- very wet			SA05	11.5				9
10										10
11										11
12										12
13										13
14										14
15										15
16										16
17										17
18										18
19										19
20										20
21										21
22										22
23										23
24										24
25										25
26										26
27										27
28										28
29										29
30										30
31										31
32										32



TETRA TECH

Contractor: Donjeck Drilling

Drilling Rig Type: Truck Mounted CME75

Logged By: TM

Reviewed By: JTP

Completion Depth: 6.1 m

Start Date: 19 January 2017

Completion Date: 19 January 2017

Page 1 of 1

Yukon Government		Borehole No: BH17-02						
		Project: Dawson City Water Treatment Plant			Project No: W14103567-25			
		Location: Fifth Ave. and Turner St. - Lots 13-14						
		Dawson City, YT			UTM: 576237 E; 7104099 N; Z 7 NAD83			
Depth (m)	Method	Soil Description	Ground Ice Description	Sample Type	Sample Number	SPT (N)	Moisture Content (%)	Depth (ft)
0							<div> <div>■ SPT (N) ■</div> <div>20 40 60 80</div> <div> <div>Plastic Limit</div> <div>Moisture Content</div> <div>Liquid Limit</div> </div> <div>20 40 60 80</div> </div>	0
0	Solid stem auger	SAND and GRAVEL (FILL) - trace silt, well graded, frozen, light brown	Seasonally Frozen					1
1		PEAT - silty, frozen, fibrous, dark brown						2
2	Hollow stem auger	SILT - some sand, some clay, moist, soft, dark brown, trace amorphous organic inclusions	Unfrozen	SA06	13	41.1	<div> <div>■</div> <div>●</div> </div>	3
3		SAND - some silt, trace gravel, well graded, damp, compact, brownish grey		SA07	10	10.7	<div> <div>■</div> </div>	4
4		GRAVEL - sandy, possible cobbles, poorly graded, moist, loose, brownish grey - very wet		SA08	40	17.5mm	<div> <div>■</div> </div>	5
4.6		END of BOREHOLE at 4.6 m (Target Depth).						5



TETRA TECH

Contractor: Donjeck Drilling

Drilling Rig Type: Truck Mounted CME75

Logged By: TM

Reviewed By: JTP

Completion Depth: 4.6 m

Start Date: 19 January 2017

Completion Date: 19 January 2017

Page 1 of 1





## Dawson City Courthouse Phase 2 - PRELIMINARY HAZARD ASSESSMENT FORM

Project Number:	Pro 842
Location:	Dawson City, YT
Date:	March 24, 2020
Name of Departmental Representative:	
Name of Client Department:	Parks Canada
Name of Client or Sr. Project Manager	

Site Specific Orientation Provided at Project Location ☐ Yes

Notice of Project Required ☐ Yes

### NOTE:

**PWGSC REQUIRES A Notice of Project FOR ALL CONSTRUCTION WORK RELATED ACTIVITIES**

### NOTE:

**OHS law is made up of many municipal, provincial, and federal acts, regulations, bylaws and codes. There are also many other pieces of legislation in British Columbia that impose OHS obligations.**

**Important Notice:** This hazard assessment has been prepared by PSPC for its own project planning process, and to inform the service provider of actual and potential hazards that may be encountered in performance of the work. PSPC does not warrant the completeness or adequacy of this hazard assessment for the project and the paramount responsibility for project hazard assessment rests with the service provider.

TYPES OF HAZARDS TO CONSIDER	Potential Risk for:				COMMENTS
Examples: Chemical, Biological, Natural, Physical, and Ergonomic	PWGSC, OGD's, or tenants		General Public or other contractors		Note: When thinking about this pre-construction hazard assessment, remember a <b>hazard</b> is anything that may cause harm, such as chemicals, electricity, working from heights, etc; the <b>risk</b> is the chance, high or low, that somebody could be harmed by these and other hazards, together with an indication of how serious the harm could be.
Listed below are common construction related hazards. Your project may include pre-existing hazards that are not listed. Contact the Regional Construction Safety Coordinator for assistance should this issue arise.	Yes	No	Yes	No	

Typical Construction Hazards					
Concealed/Buried Services (electrical, gas, water, sewer etc)	yes				
Slip Hazards or Unsound Footing	yes				
Working at Heights	yes				
Working Over or Around Water		no			
Heavy overhead lifting operations, mobile cranes etc.	TBD				





Marine and/or Vehicular Traffic (site vehicles, public vehicles, etc.)	yes				Street traffic
Fire and Explosion Hazards	yes				
High Noise Levels	yes				
Excavations		no			
Blasting		no			
Construction Equipment	yes				
Pedestrian Traffic (site personnel, tenants, visitors, public)	yes				
Multiple Employer Worksite	yes				Constructor Roles and Responsibilities Form will be required.

Electrical Hazards					Comments
Contact With Overhead Wires		no			
Live Electrical Systems or Equipment	yes				
Other:					
Physical Hazards					
Equipment Slippage Due To Slopes/Ground Conditions		no			
Earthquake	yes				
Tsunami		no			
Avalanche		no			
Forest Fires		no			
Fire and Explosion Hazards	yes				
Working in Isolation	yes				
Working Alone	yes				
Violence in the Workplace	yes				
High Noise Levels	yes				
Inclement weather	yes				
High Pressure Systems		no			
Other:					
Hazardous Work Environments					
Confined Spaces / Restricted Spaces PSPC employees do not enter confined space.	yes				If available, provide the contractor with the existing confined space assessment(s) for information only. Contractor must perform their own confined space assessment as per territorial regulations.
Suspended / Mobile Work Platforms		TBD			
Other:					
Biological Hazards					
Mould Proliferations		no			
Accumulation of Bird or Bat Guano		no			
Bacteria / Legionella in Cooling Towers / Process Water		no			
Rodent / Insect Infestation		no			
Poisonous Plants		no			
Sharp or Potentially Infectious Objects in Wastes	yes				



Wildlife	yes				
<b>Chemical Hazards</b>					
Asbestos Materials on Site	yes				If "yes" a pre-project asbestos survey report is required. Provide Contractor with ELF Form 16 "Contractor Notification and Acknowledgement"
Designated Substance Present	yes				If "yes" a pre-project designated substance survey report is required.
Chemicals Used in work		no			
Lead in paint	TBD				If "yes" a pre-project lead survey report is required.
Mercury in Thermostats or Switches		TBD			If "yes" a pre-project mercury survey report is required.
Application of Chemicals or Pesticides		no			
PCB Liquids in Electrical Equipment		no			
Radioactive Materials in Equipment		no			
Other:					
<b>Contaminated Sites Hazards</b>					
Hazardous Waste		no			
Hydrocarbons		no			
Metals		no			
Other:					

<b>Security Hazards</b>					<b>Comments</b>
Risk of Assault	yes				
Other:					
<b>Other Hazards</b>					
Silica and particulate matter from the demolition process.	yes				Silica and dust exposure control plan will be required.

Other Compliance and Permit Requirements <sup>1</sup>	YES	NO	Notes / Comments <sup>2</sup>
Is a Building Permit required?			
Is an Electrical permit required?			
Is a Plumbing Permit required?			
Is a Sewage Permit required?			
Is a Dumping Permit required?			
Is a Hot Work Permit required?			
Is a Permit to Work required?			Mandatory for ALL AFD managed work sites.
Is a Confined Space Entry Permit required?			Mandatory
Is a Confined Space Entry Log required			Mandatory for all Confined Spaces
Discharge Approval for treated water required			

**Notes:**

- (1) Does not relieve Service Provider from complying with all applicable federal, provincial, and municipal laws and regulations.



(2) TBD means To Be Determined by Service Provider.

<b>Service Provider Acknowledgement: We confirm receipt and review of this Pre-Project Hazard Assessment and acknowledge our responsibility for conducting our own assessment of project hazards, and taking all necessary protective measures (which may exceed those cited herein) for performance of the work.</b>			
<b>Service Provider Name</b>			
<b>Signatory for Service Provider</b>		<b>Date Signed</b>	
<b>RETURN EXECUTED DOCUMENT TO PSPC DEPARTMENTAL REPRESENTATIVE PRIOR TO ANY WORK COMMENCING</b>			





Dawson, Yukon  
Former Courthouse  
Front Street

## HERITAGE CHARACTER STATEMENT

The Courthouse was built during 1900-1901 by the federal government to designs by Thomas W. Fuller. It served as the territorial courthouse until 1910. At that time it was taken over by the Royal Northwest mounted police and converted to offices and barracks. It was used as a hospital, operated by the Sisters of Charity, from 1954 to 1967. During this period, an addition was constructed at the north end. The building is a designated National Historic Site. It was acquired by Parks Canada in 1967 and has been used to house the administrative offices of Klondike National Historic Sites since then. The Canadian Parks Service, Environment Canada is custodian of the building. See FHBRO Building Report 87-63.

### Reasons for Designation

The former Courthouse was designated Classified because of its important historic associations, its architecture, the high standards of craftsmanship exhibited in its construction, and its importance as a Dawson landmark.

Historically, it is associated with the establishment of a federal presence in the Northwest and the exercise of Canadian sovereignty. It is one of the two remaining examples of early territorial courts in western Canada.

The former Courthouse is an excellent and rare example of a turn-of-the-century courthouse executed in wood. A modest but imposing classical design, the building's exterior shows careful attention to composition and proportion.

### Character Defining Elements

The heritage character of the former Courthouse resides in its formal, classically inspired design and detailing.

The design is proportioned and detailed as the more substantial masonry courthouses of southern Canada. The pedimented projecting bays flanking the centrally placed main entrance are the principal components of the composition; a large cupola reinforces the building's symmetry. The north addition, while it creates an imbalance in the façade, is compatible and discrete. The secondary elements and details – column capitals, mouldings, paired windows, and turned railings – contribute to the overall formality and strength of the design.

The building has undergone interior alterations as its use changed, however, these appear to have been minor. The former Courthouse appears to retain the main elements of its plan and original interior finishes of varnished fir, although concealed behind more recent finishes. The building would benefit from investigation to identify original features for possible inclusion in future alterations of the building. The stair to the second floor is of particular note.

1990.03.08





## 6 PHOTOGRAPHIC RECORD

### 6.1 Location of Site

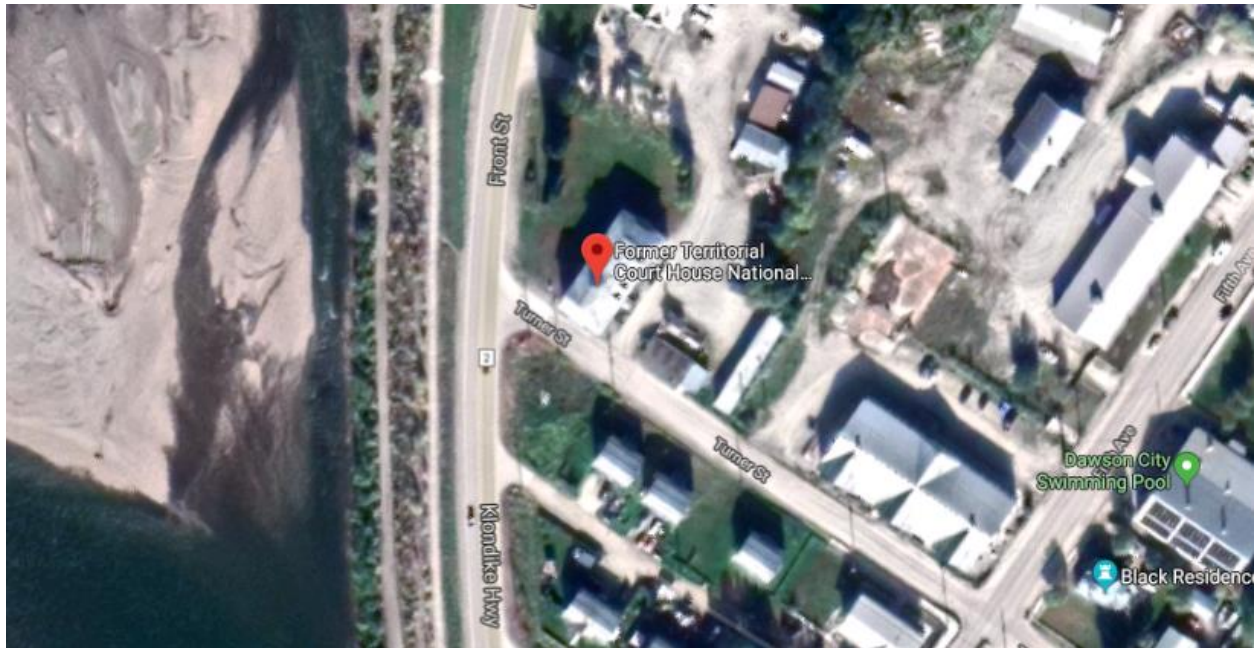
The images below offer general and detailed views of the Territorial Courthouse and its location.



GOOGLE MAP IMAGE (2018) SHOWING LOCATION OF SITE.



GOOGLE SATELLITE IMAGE (2018) SHOWING LOCATION OF SITE.



GOOGLE SATELLITE IMAGE (2018) SHOWING DETAILED LOCATION OF SITE.

## 6.2 Floor Plans

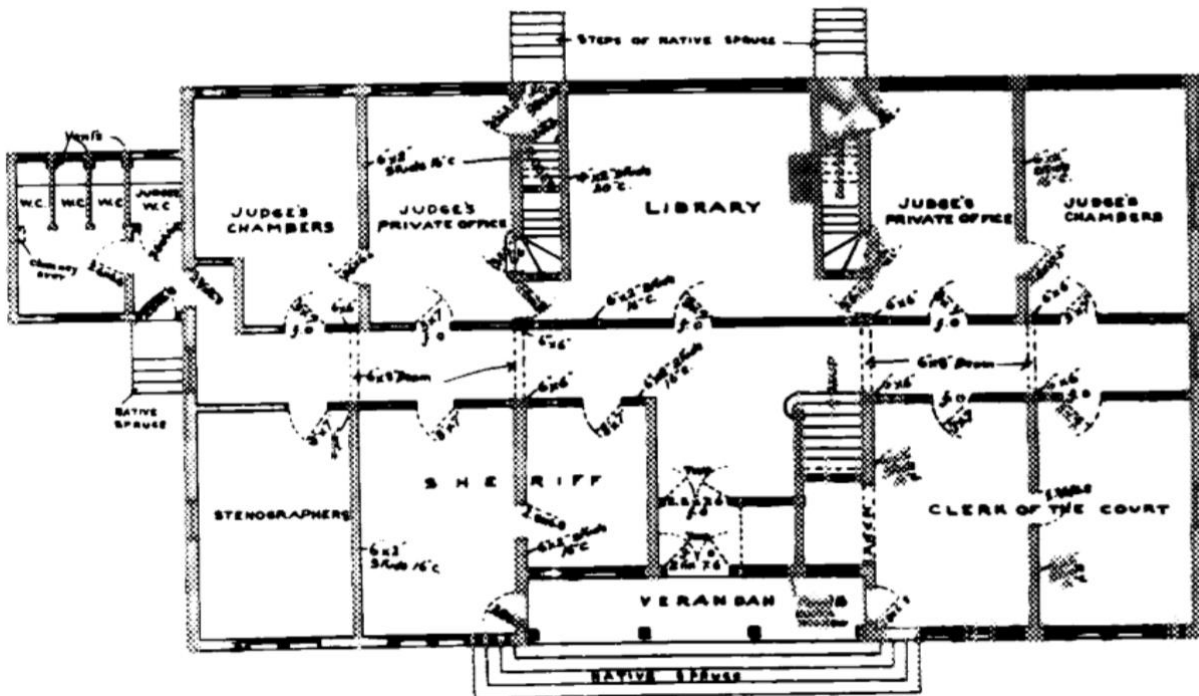


Figure 1: Original Ground Floor Plan [DPW, c1900]

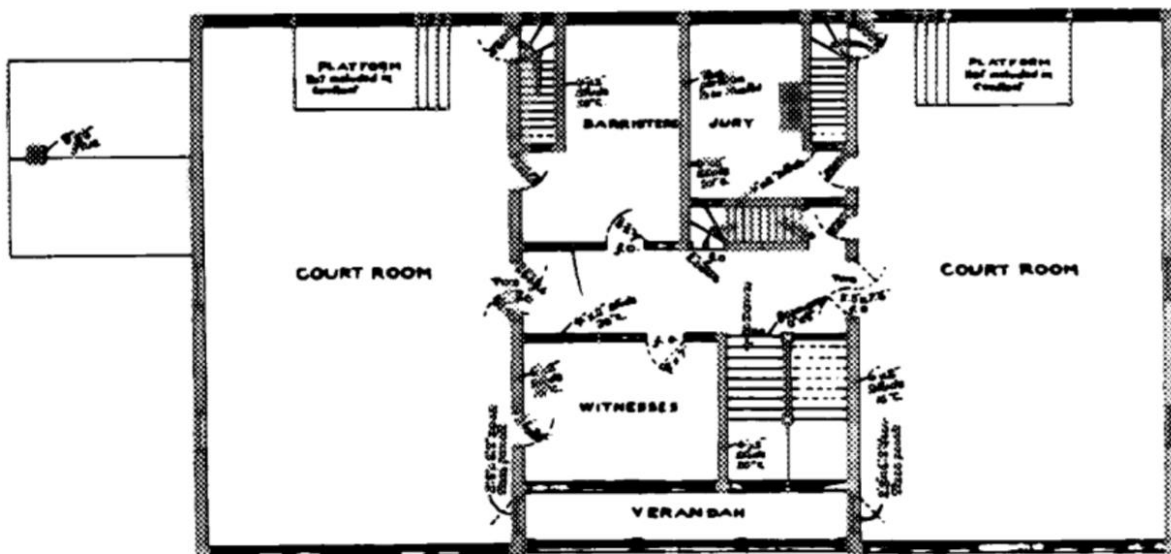


Figure 2: Original Second Floor Plan [DPW, c 1900]



### 6.3 Digital Record Photography

The following pages contain the numbered digital images which correspond to the Photo Key Plan(s) in section 2.3. Images were taken of the Overall Exterior and Interior with various details.

#### 6.3.1 Exterior Photography



Exterior – Balcony



Exterior – Chimney



Exterior – Covering 1



Exterior – Covering 2



Exterior – Dormer



Exterior – Entrance Steps



Exterior – North and West Facades 1



Exterior – North and West Facades 2



Exterior – Roof



Exterior – Siding and Downspout



Exterior – South and West Facades 1



Exterior – South and West Facades 2



Exterior – Vestibule



Exterior – West Façade – Pediment

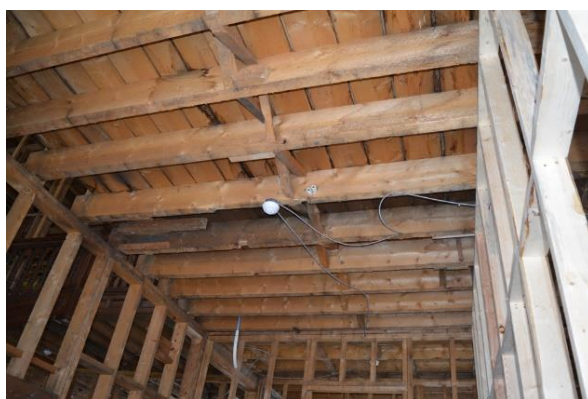


Exterior – West Façade Close Up

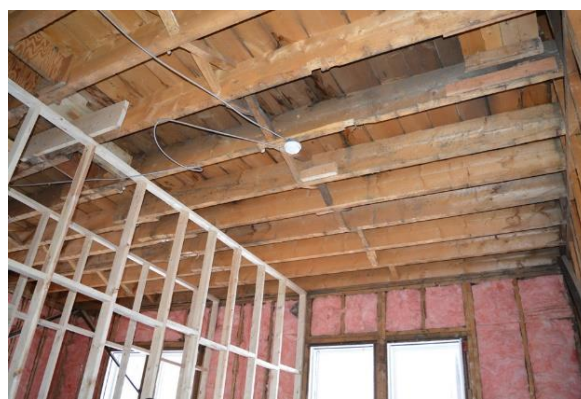


Exterior – West Façade

### 6.3.2 Interior – First Floor



1<sup>st</sup> Floor – Clerk of the Court – North Half – Ceiling – East



1<sup>st</sup> Floor – Clerk of the Court – North Half – Ceiling – West





1<sup>st</sup> Floor – Clerk of the Court – North Half – Floor – East



1<sup>st</sup> Floor – Clerk of the Court – North Half – Floor – West



1<sup>st</sup> Floor – Clerk of the Court – North Half – Openings – East Door



1<sup>st</sup> Floor – Clerk of the Court – North Half – Openings – North Door Window



1<sup>st</sup> Floor – Clerk of the Court – North Half – Openings – West Window



1<sup>st</sup> Floor – Clerk of the Court – North Half – Overall – East





1<sup>st</sup> Floor – Clerk of the Court – North Half – Overall – North 1



1<sup>st</sup> Floor – Clerk of the Court – North Half – Overall – North 2



1<sup>st</sup> Floor – Clerk of the Court – North Half – Overall – South



1<sup>st</sup> Floor – Clerk of the Court – North Half – Overall – West



1<sup>st</sup> Floor – Clerk of the Court – South Half – Ceiling – East



1<sup>st</sup> Floor – Clerk of the Court – South Half – Ceiling – West



1<sup>st</sup> Floor – Clerk of the Court – South Half – Details –  
Air Exchange Caps 1



1<sup>st</sup> Floor – Clerk of the Court – South Half –  
Details – Air Exchange Caps 2



1<sup>st</sup> Floor – Clerk of the Court – South Half – Details –  
Air Exchange Caps 3



1<sup>st</sup> Floor – Clerk of the Court – South Half –  
Floor – East



1<sup>st</sup> Floor – Clerk of the Court – South Half – Floor –  
West



1<sup>st</sup> Floor – Clerk of the Court – South Half –  
Openings – East Door





1<sup>st</sup> Floor – Clerk of the Court – South Half – Openings  
– Floor Detail East



1<sup>st</sup> Floor – Clerk of the Court – South Half –  
Openings – Floor Detail West



1<sup>st</sup> Floor – Clerk of the Court – South Half – Openings  
– South Window



1<sup>st</sup> Floor – Clerk of the Court – South Half –  
Openings – West Window



1<sup>st</sup> Floor – Clerk of the Court – South Half – Overall –  
East



1<sup>st</sup> Floor – Clerk of the Court – South Half –  
Overall – West 1



1<sup>st</sup> Floor – Clerk of the Court – South Half – Overall – West 2



1<sup>st</sup> Floor – Clerk of the Court – South Half – Overall North



1<sup>st</sup> Floor – Clerk of the Court – South Half – Overall South 1



1<sup>st</sup> Floor – Clerk of the Court – South Half – Overall South 2



1<sup>st</sup> Floor – Hallway – Ceiling – East



1<sup>st</sup> Floor – Hallway – Ceiling – North



1<sup>st</sup> Floor – Hallway – Ceiling – South



1<sup>st</sup> Floor – Hallway – Ceiling – West



1<sup>st</sup> Floor – Hallway – Floor – East



1<sup>st</sup> Floor – Hallway – Floor – West



1<sup>st</sup> Floor – Hallway – Openings – Door to Basement



1<sup>st</sup> Floor – Hallway – Openings – Door to  
Hallway 1





1<sup>st</sup> Floor – Hallway – Openings – Door to Hallway 2



1<sup>st</sup> Floor – Hallway – Openings – Door to Stairs



1<sup>st</sup> Floor – Hallway – Openings – East Door



1<sup>st</sup> Floor – Hallway – Overall – East



1<sup>st</sup> Floor – Hallway – Overall – North 1



1<sup>st</sup> Floor – Hallway – Overall – North 2



1<sup>st</sup> Floor – Hallway – Overall – North



1<sup>st</sup> Floor – Hallway – Overall – South 1



1<sup>st</sup> Floor – Hallway – Overall – South 2



1<sup>st</sup> Floor – Hallway – Overall – South

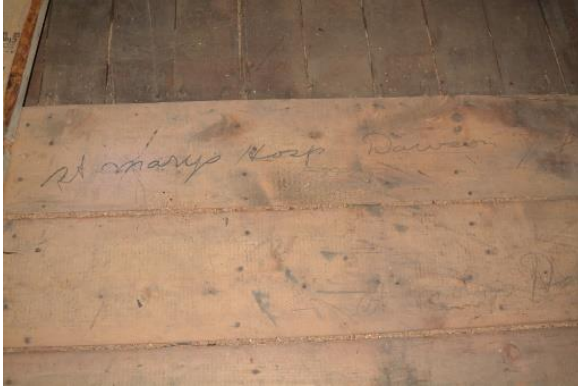


1<sup>st</sup> Floor – Hallway – Overall – West



1<sup>st</sup> Floor – Hospital Addition – Floor – Dawson  
Writing 1





1<sup>st</sup> Floor – Hospital Addition – Floor – Dawson  
Writing 2



1<sup>st</sup> Floor – Hospital Addition – Floor - East



1<sup>st</sup> Floor – Hospital Addition – Floor - West



1<sup>st</sup> Floor – Hospital Addition – Openings – Door  
to Hallway



1<sup>st</sup> Floor – Hospital Addition – Openings – Door to  
Judges Chambers



1<sup>st</sup> Floor – Hospital Addition – Openings – Door  
to Stenographers



1<sup>st</sup> Floor Hospital Addition – Openings – Exit Door



1<sup>st</sup> Floor – Hospital Addition – Openings – NE  
Wall Counter



1<sup>st</sup> Floor – Hospital Addition – Openings –North  
Window



1<sup>st</sup> Floor – Hospital Addition – Openings – West  
Window



1<sup>st</sup> Floor – Hospital Addition – Overall – East



1<sup>st</sup> Floor – Hospital Addition – Overall – North





1<sup>st</sup> Floor – Hospital Addition – Overall – North 2



1<sup>st</sup> Floor – Hospital Addition – Overall – South  
1



1<sup>st</sup> Floor – Hospital Addition – Overall – West



1<sup>st</sup> Floor – Judges Chamber – Ceiling – East



1<sup>st</sup> Floor – Judges Chamber – Ceiling – West



1<sup>st</sup> Floor – Judges Chamber – Floor – East



1<sup>st</sup> Floor- Judges Chamber – Floor – Original  
Wallboards



1<sup>st</sup> Floor – Judges Chamber – Floor – West



1<sup>st</sup> Floor – Judges Chamber – Openings – East  
Window



1<sup>st</sup> Floor – Judges Chamber – Openings – South  
Door



1<sup>st</sup> Floor – Judges Chamber – Openings – South  
Window



1<sup>st</sup> Floor – Judges Chamber – Openings – West  
Door





1<sup>st</sup> Floor – Judges Chamber – Overall – East



1<sup>st</sup> Floor – Judges Chamber – Overall – North



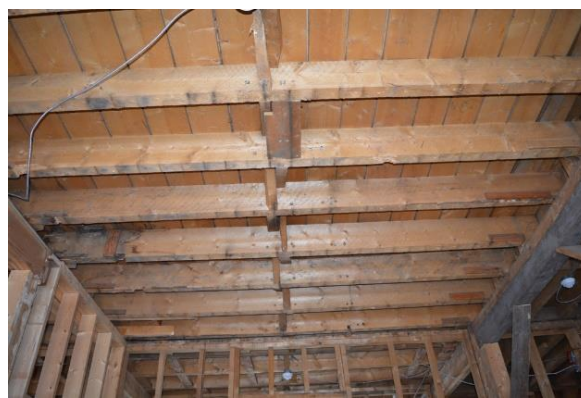
1<sup>st</sup> Floor – Judges Chamber – Overall – South



1<sup>st</sup> Floor – Judges Chamber – Overall - West



1<sup>st</sup> Floor – Judges Office – Ceiling – East



1<sup>st</sup> Floor – Judges Office – Ceiling – West



1<sup>st</sup> Floor – Judges Office – Floor – East



1<sup>st</sup> Floor – Judges Office – Floor – West



1<sup>st</sup> Floor – Judges Office – Openings – East Window



1<sup>st</sup> Floor – Judges Office – Openings – South  
Door



1<sup>st</sup> Floor – Judges Office – Openings – West Door



1<sup>st</sup> Floor – Judges Office – Openings – West  
Main Door





1<sup>st</sup> Floor – Judges Office – Overall – East



1<sup>st</sup> Floor – Judges Office – Overall – North



1<sup>st</sup> Floor – Judges Office – Overall – South



1<sup>st</sup> Floor – Judges Office – Overall – West

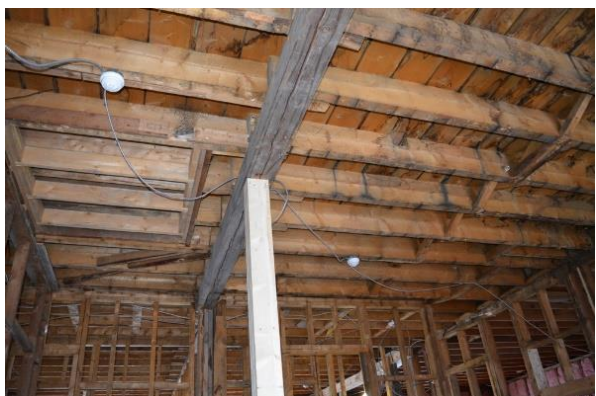


1<sup>st</sup> Floor – Judges Offices – Ceiling - Dumbwaiter



1<sup>st</sup> Floor – Judges Offices – Ceiling – East





1<sup>st</sup> Floor – Judges Offices – Ceiling – West



1<sup>st</sup> Floor – Judges Offices – Floor – Dumbwaiter



1<sup>st</sup> Floor – Judges Offices – Floor – East



1<sup>st</sup> Floor – Judges Offices – Floor – West



1<sup>st</sup> Floor – Judges Offices – Openings – NE Window



1<sup>st</sup> Floor – Judges Offices – Openings – Original  
Floor Plan Detail 1



1<sup>st</sup> Floor – Judges Offices – Openings – Original Floor Plan Detail 2



1<sup>st</sup> Floor – Judges Offices – Openings – Original Hallway Door



1<sup>st</sup> Floor – Judges Offices – Openings – Original Office Door



1<sup>st</sup> Floor – Judges Offices – Openings – Original Wall Footprint Detail



1<sup>st</sup> Floor – Judges Offices – Openings – SE Window



1<sup>st</sup> Floor – Judges Offices – Openings – WE Corner Counter Detail





1<sup>st</sup> Floor – Judges Offices – Overall – East



1<sup>st</sup> Floor – Judges Offices – Overall – North



1<sup>st</sup> Floor – Judges Offices – Overall – South



1<sup>st</sup> Floor – Judges Offices – Overall – West



1<sup>st</sup> Floor – Judges Stairs – Openings – Original Door 1



1<sup>st</sup> Floor – Judges Stairs – Openings – Original  
Door 2



1<sup>st</sup> Floor – Judges Stairs – Openings – Original Door 3



1<sup>st</sup> Floor – Judges Stairs – Overall 1



1<sup>st</sup> Floor – Judges Stairs – Overall 2



1<sup>st</sup> Floor – Library – Ceiling – Detail of Old Stairway

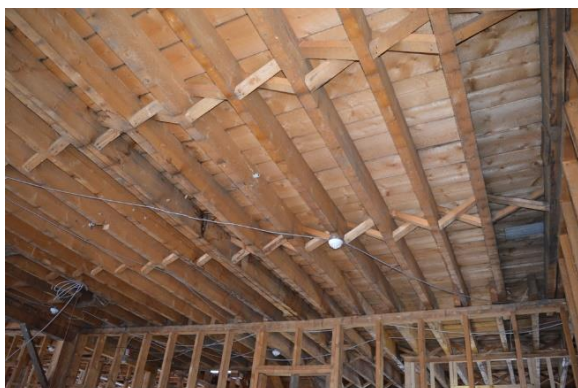


1<sup>st</sup> Floor – Library – Ceiling – East 1

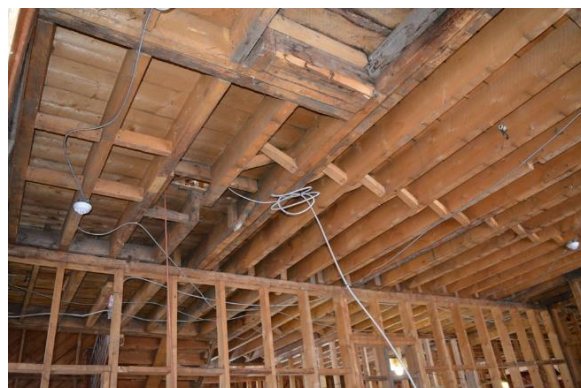


1<sup>st</sup> Floor – Library – Ceiling – East 2





1<sup>st</sup> Floor – Library – Ceiling – West 1



1<sup>st</sup> Floor – Library – Ceiling – West 2



1<sup>st</sup> Floor – Library – Details – McLennan and McFeely Stamp 1



1<sup>st</sup> Floor – Library – Details – McLennan and McFeely Stamp 2



1<sup>st</sup> Floor – Library – Floor – Detail



1<sup>st</sup> Floor – Library – Floor – East



1<sup>st</sup> Floor – Library – Floor – West



1<sup>st</sup> Floor – Library – Openings – Judges Private Door



1<sup>st</sup> Floor – Library – Openings – NE Window



1<sup>st</sup> Floor – Library – Openings – North Door



1<sup>st</sup> Floor – Library – Openings – North Window



1<sup>st</sup> Floor – Library – Openings – NW Door





1<sup>st</sup> Floor – Library – Openings – Original Library Door



1<sup>st</sup> Floor – Library – Openings – South Window



1<sup>st</sup> Floor – Library – Openings – SW Door



1<sup>st</sup> Floor – Library – Openings – West Door



1<sup>st</sup> Floor – Library – Overall – East



1<sup>st</sup> Floor – Library – Overall – North





1<sup>st</sup> Floor – Library – Overall – South



1<sup>st</sup> Floor – Library – Overall – West



1<sup>st</sup> Floor – Main Lobby – Openings – Door



1<sup>st</sup> Floor – Main Lobby – Openings – Window 1



1<sup>st</sup> Floor – Main Lobby – Openings – Window 2



1<sup>st</sup> Floor – Main Stairway – Back Detail 1



1<sup>st</sup> Floor – Main Stairway – Back Detail 2



1<sup>st</sup> Floor – Main Stairway – Back Detail 3



1<sup>st</sup> Floor – Main Stairway – Back Detail 4



1<sup>st</sup> Floor – Main Stairway – Openings – Landing



1<sup>st</sup> Floor – Main Stairway – Overall – Balustrade



1<sup>st</sup> Floor – Main Stairway – Overall 1





1<sup>st</sup> Floor - Main Stairway – Overall 2



1<sup>st</sup> Floor – Main Stairway – Overall 3



1<sup>st</sup> Floor – Main Stairway – Step Detail 1



1<sup>st</sup> Floor – Main Stairway – Step Detail 2



1<sup>st</sup> Floor – Main Stairway – Step Detail 3



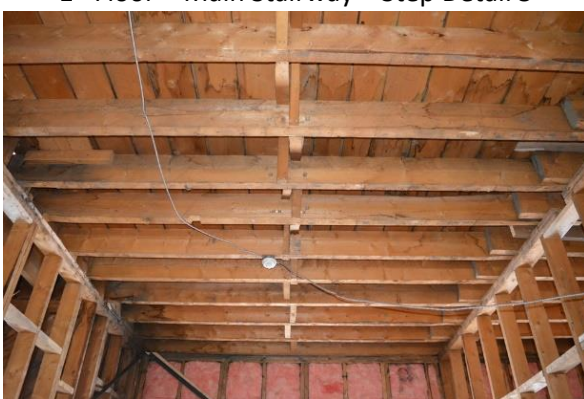
1<sup>st</sup> Floor – Main Stairway – Step Detail 4



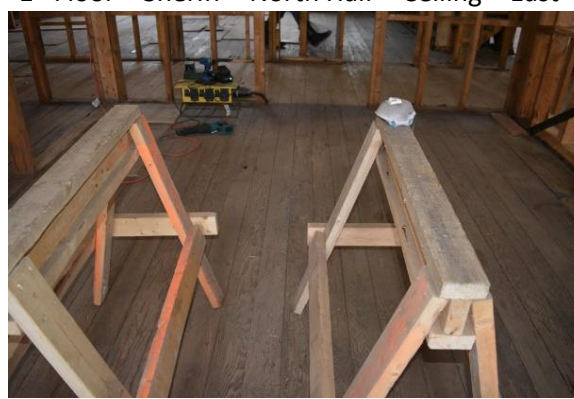
1<sup>st</sup> Floor – Main Stairway – Step Detail 5



1<sup>st</sup> Floor – Sheriff – North Half – Ceiling – East



1<sup>st</sup> Floor – Sheriff – North Half – Ceiling – West



1<sup>st</sup> Floor – Sheriff – North Half – Floor – East



1<sup>st</sup> Floor – Sheriff – North Half – Floor – Vent Detail 1



1<sup>st</sup> Floor – Sheriff – North Half – Floor – Vent  
Detail 2





1<sup>st</sup> Floor – Sheriff – North Half – Floor – West



1<sup>st</sup> Floor – North Half – Openings – East Door



1<sup>st</sup> Floor – Sheriff – North Half – Openings – Exterior Door



1<sup>st</sup> Floor – Sheriff – North Half – Openings – South Door



1<sup>st</sup> Floor – Sheriff – North Half – Openings – West Window



1<sup>st</sup> Floor – Sheriff – North Half – Overall – East



1<sup>st</sup> Floor – Sheriff – North Half – Overall – North 1



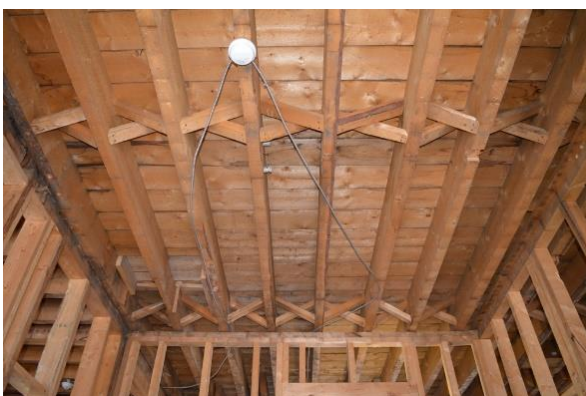
1<sup>st</sup> Floor – Sheriff – North Half – overall –  
North 2



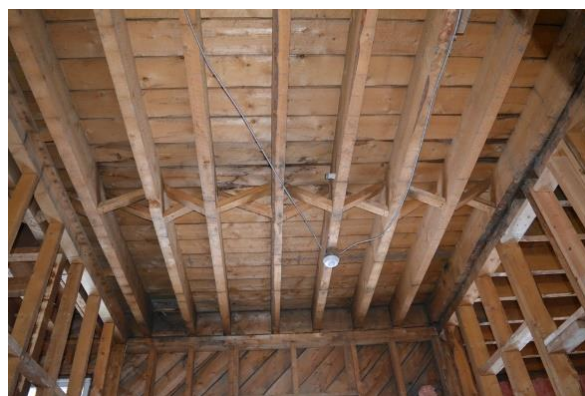
1<sup>st</sup> Floor – Sheriff – North Half – Overall – South



1<sup>st</sup> Floor – Sheriff – North Half – Overall –  
West



1<sup>st</sup> Floor – Sheriff – South Half – Ceiling – East



1<sup>st</sup> Floor – Sheriff – South Half – Ceiling – West





1<sup>st</sup> Floor – Sheriff – South Half – Floor – East



1<sup>st</sup> Floor – Sheriff – South Half – Floor – West



1<sup>st</sup> Floor – Sheriff – South Half – Openings – East  
Door



1<sup>st</sup> Floor – Sheriff – South Half – Openings –  
North Door



1<sup>st</sup> Floor – Sheriff – South Half – Openings – West  
Window



1<sup>st</sup> Floor – Sheriff – South Half – Overall – East



1<sup>st</sup> Floor – Sheriff – South Half – Overall – North 1



1<sup>st</sup> Floor – Sheriff – South Half – Overall –  
North 2



1<sup>st</sup> Floor – Sheriff – South Half – Overall – South 1



1<sup>st</sup> Floor – Sheriff – South Half – Overall –  
South 2



1<sup>st</sup> Floor – Sheriff – South Half – Overall – West



1<sup>st</sup> Floor – Stenographers – Ceiling – East





1<sup>st</sup> Floor – Stenographers – Ceiling – West



1<sup>st</sup> Floor – Stenographers – Floor – East



1<sup>st</sup> Floor – Stenographers – Floor – Vent Detail 1



1<sup>st</sup> Floor – Stenographers – Floor – Vent Detail  
2



1<sup>st</sup> Floor – Stenographers – Floor – West



1<sup>st</sup> Floor – Stenographers – Openings – East  
Door



1<sup>st</sup> Floor – Stenographers – Openings – West Window



1<sup>st</sup> Floor – Stenographers – Overall – East



1<sup>st</sup> Floor – Stenographers – Overall – North



1<sup>st</sup> Floor – Stenographers – Overall – South 1



1<sup>st</sup> Floor – Stenographers – Overall – South 2



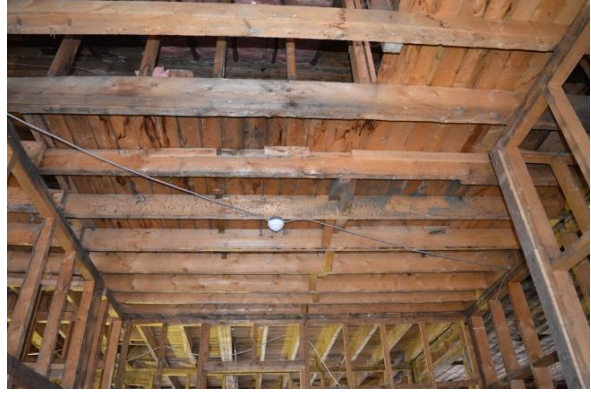
1<sup>st</sup> Floor – Stenographers – Overall West



### 6.3.3 Interior – Second Floor



2<sup>nd</sup> Floor – Barristers Room – Ceiling – East



2<sup>nd</sup> Floor – Barristers Room – Ceiling – West



2<sup>nd</sup> Floor – Barristers Room – Floor – Centre  
Detail 1



2<sup>nd</sup> Floor – Barristers Room – Floor – Centre Detail  
2



2<sup>nd</sup> Floor – Barristers Room – Floor – East



2<sup>nd</sup> Floor – Barristers Room – Floor – West



2<sup>nd</sup> Floor – Barristers Room – Openings – East Window



2<sup>nd</sup> Floor – Barristers Room – Openings – North Door



2<sup>nd</sup> Floor – Barristers Room – Openings – Possible Counter



2<sup>nd</sup> Floor – Barristers Room – Openings – Stairwell Window



2<sup>nd</sup> Floor – Barristers Room – Openings – West Door



2<sup>nd</sup> Floor – Barristers Room – Overall – East





2<sup>nd</sup> Floor – Barristers Room – Overall – North 1



2<sup>nd</sup> Floor – Barristers Room – Overall – North 2



2<sup>nd</sup> Floor – Barristers Room – Overall – South 1



2<sup>nd</sup> Floor – Barristers Room – Overall – South 2



2<sup>nd</sup> Floor – Barristers Room – Overall – West 1



2<sup>nd</sup> Floor – Barristers Room – Overall – West 2



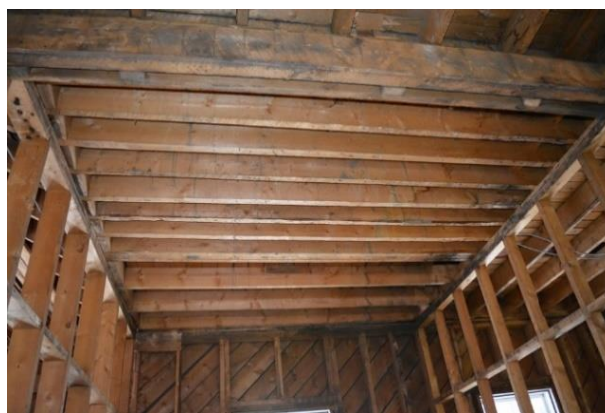
2<sup>nd</sup> Floor – Barristers Room – Stairs – North Wall



2<sup>nd</sup> Floor – Hallway – Ceiling – North



2<sup>nd</sup> Floor – Hallway – Ceiling – South



2<sup>nd</sup> Floor – Hallway – Ceiling – Stairway



2<sup>nd</sup> Floor – Hallway – Openings – Stairway  
Window



2<sup>nd</sup> Floor – Hallway – Overall – North





2<sup>nd</sup> Floor – Hallway – Overall – South



2<sup>nd</sup> Floor – Hallway – Stairway – East



2<sup>nd</sup> Floor – Hospital Addition – Ceiling – East



2<sup>nd</sup> Floor – Hospital Addition – Ceiling – NE Corner



2<sup>nd</sup> Floor – Hospital Addition – Ceiling – NW  
Corner



2<sup>nd</sup> Floor – Hospital Addition – Ceiling – SE Corner



2<sup>nd</sup> Floor – Hospital Addition – Ceiling – SW  
Corner



2<sup>nd</sup> Floor – Hospital Addition – Ceiling – West



2<sup>nd</sup> Floor – Hospital Addition – Floor – East



2<sup>nd</sup> Floor – Hospital Addition – Floor – West



2<sup>nd</sup> Floor – Hospital Addition – Openings – North  
Emergency Exit Door



2<sup>nd</sup> Floor – Hospital Addition – Openings – North  
Window





2<sup>nd</sup> Floor – Hospital Addition – Openings – NW Window



2<sup>nd</sup> Floor – Hospital Addition – Openings – Original South Window



2<sup>nd</sup> Floor – Hospital Addition – Openings – SE Door



2<sup>nd</sup> Floor – Hospital Addition – Openings – South Main Door



2<sup>nd</sup> Floor – Hospital Addition – Overall – East



2<sup>nd</sup> Floor – Hospital Addition – Overall – North 1



2<sup>nd</sup> Floor – Hospital Addition – Overall – North 2



2<sup>nd</sup> Floor – Hospital Addition – Overall – South 1



2<sup>nd</sup> Floor – Hospital Addition – Overall – South 2



2<sup>nd</sup> Floor – Hospital Addition – Overall – West



2<sup>nd</sup> Floor – Hospital Addition – Openings – East Window



2<sup>nd</sup> Floor – Hospital Addition – Openings – SW Window





2<sup>nd</sup> Floor – Jury Room – Ceiling – Dumb Waiter



2<sup>nd</sup> Floor – Jury Room – Ceiling – East



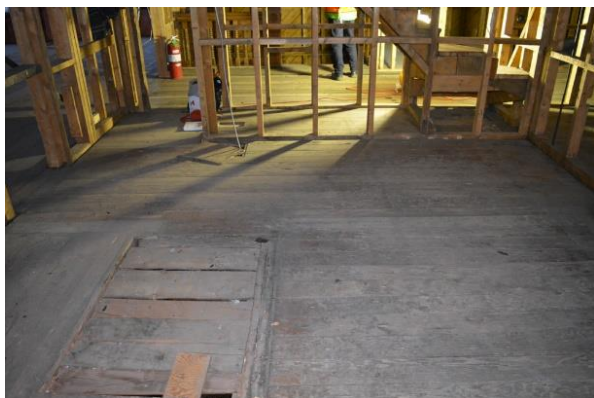
2<sup>nd</sup> Floor – Jury Room – Ceiling – West



2<sup>nd</sup> Floor – Jury Room – Floor – Dumb Waiter



2<sup>nd</sup> Floor – Jury Room – Floor – East



2<sup>nd</sup> Floor – Jury Room – Floor – West



2<sup>nd</sup> Floor – Jury Room – Openings – Centre  
Courtroom Door



2<sup>nd</sup> Floor – Jury Room – Openings – Judge Door



2<sup>nd</sup> Floor – Jury Room – Openings – NE Window



2<sup>nd</sup> Floor – Jury Room – Openings – SE Window



2<sup>nd</sup> Floor – Jury Room – Openings – West Door



2<sup>nd</sup> Floor – Jury Room – Openings – West Wall  
Floor





2<sup>nd</sup> Floor – Jury Room – Overall – East



2<sup>nd</sup> Floor – Jury Room – Overall – North



2<sup>nd</sup> Floor – Jury Room – Overall – South



2<sup>nd</sup> Floor – Jury Room – Overall – West



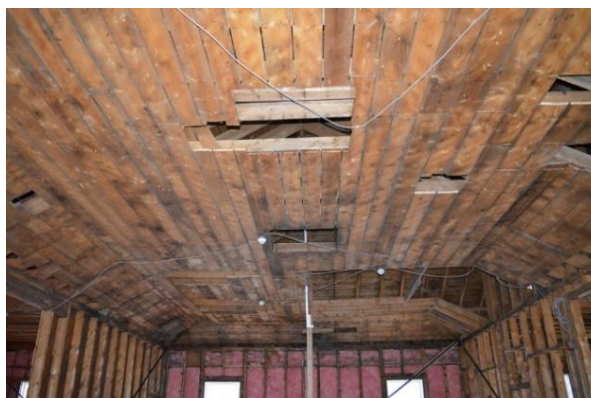
2<sup>nd</sup> Floor – Main Stairway – Overall 1



2<sup>nd</sup> Floor – Main Stairway – Overall 2



2<sup>nd</sup> Floor – Main Stairway – Overall 3



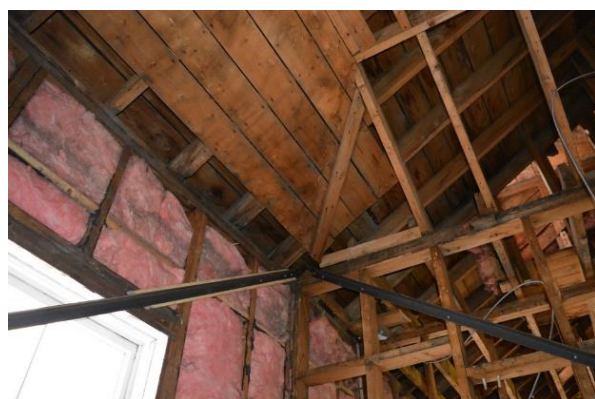
2<sup>nd</sup> Floor – North Court Room – Ceiling – East



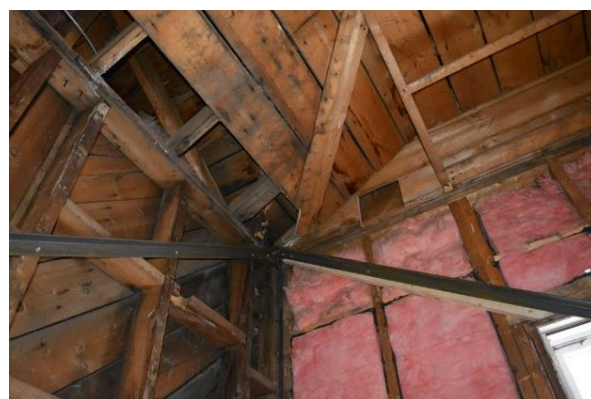
2<sup>nd</sup> Floor – North Court Room – Ceiling – NE  
Corner



2<sup>nd</sup> Floor – North Court Room – Ceiling – NW  
Corner



2<sup>nd</sup> Floor – North Court Room – Ceiling – SE  
Corner

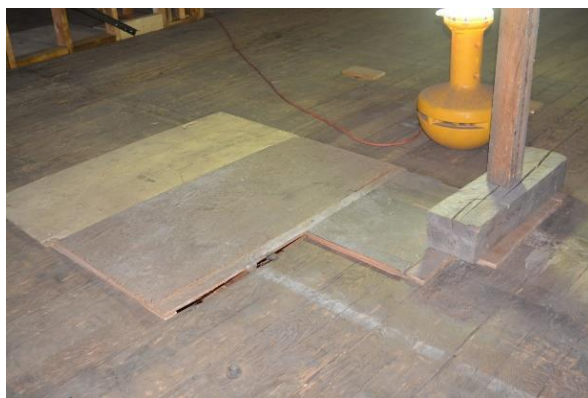


2<sup>nd</sup> Floor – North Court Room – Ceiling – SW  
Corner





2<sup>nd</sup> Floor – North Court Room – Ceiling – West



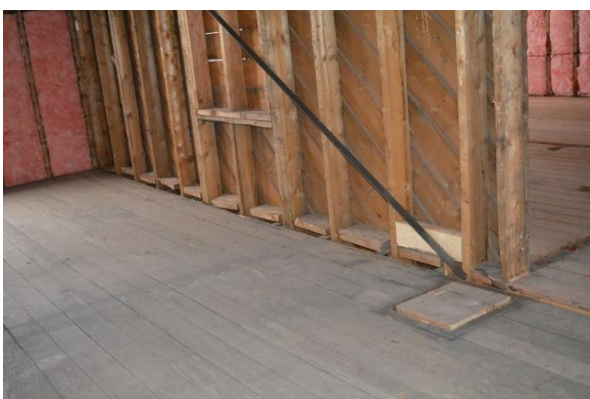
2<sup>nd</sup> Floor – North Court Room – Floor – Detail 1



2<sup>nd</sup> Floor – North Court Room – Floor – Detail 2



2<sup>nd</sup> Floor – North Court Room – Floor – East



2<sup>nd</sup> Floor – North Court Room – Floor – North  
Wall Vent 1



2<sup>nd</sup> Floor – North Court Room – Floor – North Wall  
Vent 2



2<sup>nd</sup> Floor – North Court Room – Floor – North  
Wall Vent 3



2<sup>nd</sup> Floor – North Court Room – Floor – South Wall  
Vent 1



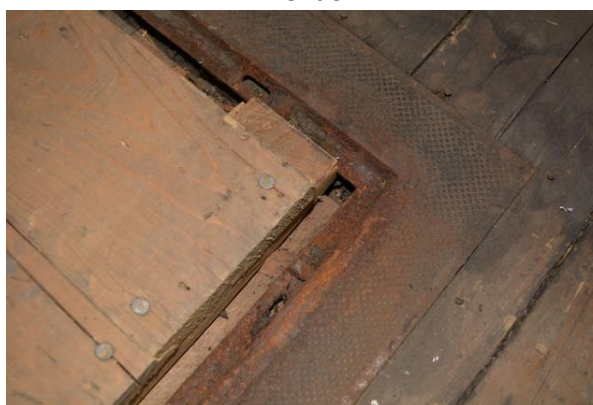
2<sup>nd</sup> Floor – North Court Room – Floor – South  
Wall Vent 2



2<sup>nd</sup> Floor – North Court Room – Floor – South Wall  
Vent 3



2<sup>nd</sup> Floor – North Court Room – Floor – South  
Wall Vent 4



2<sup>nd</sup> Floor – North Court Room – Floor – South Wall  
Vent 5





2<sup>nd</sup> Floor – North Court Room – Floor – West



2<sup>nd</sup> Floor – North Court Room – Openings –  
Addition East Door



2<sup>nd</sup> Floor – North Court Room – Openings –  
Addition Main Door



2<sup>nd</sup> Floor – North Court Room – Openings –  
Addition West Door



2<sup>nd</sup> Floor – North Court Room – Openings –  
Barristers Room Door



2<sup>nd</sup> Floor – North Court Room – Openings – NE  
Window 1



2<sup>nd</sup> Floor – North Court Room – Openings – NE  
Window 2



2<sup>nd</sup> Floor – North Court Room – Openings – NW  
Window 1



2<sup>nd</sup> Floor – North Court Room – Openings – SE  
Judges Door



2<sup>nd</sup> Floor – North Court Room – Openings – SE  
Window



2<sup>nd</sup> Floor – North Court Room – Openings – South  
Main Door



2<sup>nd</sup> Floor – North Court Room – Openings – SW  
Window





2<sup>nd</sup> Floor – North Court Room – Openings –  
Verandah Door



2<sup>nd</sup> Floor – North Court Room – Openings –  
Witnesses Room Door



2<sup>nd</sup> Floor – North Court Room – Overall – East



2<sup>nd</sup> Floor – North Court Room – Overall – North



2<sup>nd</sup> Floor – North Court Room – Overall – South 1



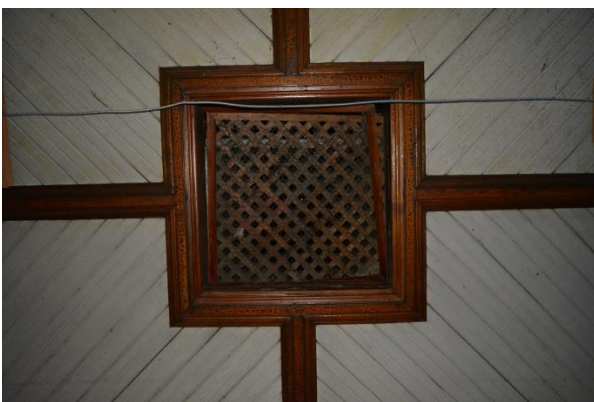
2<sup>nd</sup> Floor – North Court Room – Overall – South 2



2<sup>nd</sup> Floor – North Court Room – Overall – West



2<sup>nd</sup> Floor – South Court Room – Ceiling – Central  
Vent 1



2<sup>nd</sup> Floor – South Court Room – Ceiling – Central  
Vent 2



2<sup>nd</sup> Floor – South Court Room – Ceiling – East Vent  
1



2<sup>nd</sup> Floor – South Court Room – Ceiling – East  
Vent 2



2<sup>nd</sup> Floor – South Court Room – Ceiling – East





2<sup>nd</sup> Floor – South Court Room – Ceiling – West Vent



2<sup>nd</sup> Floor – South Court Room – Ceiling – West



2<sup>nd</sup> Floor – South Court Room – Ceiling – NE Corner 1



2<sup>nd</sup> Floor – South Court Room – Ceiling – NE Corner 2



2<sup>nd</sup> Floor – South Court Room – Ceiling – NW Corner 1



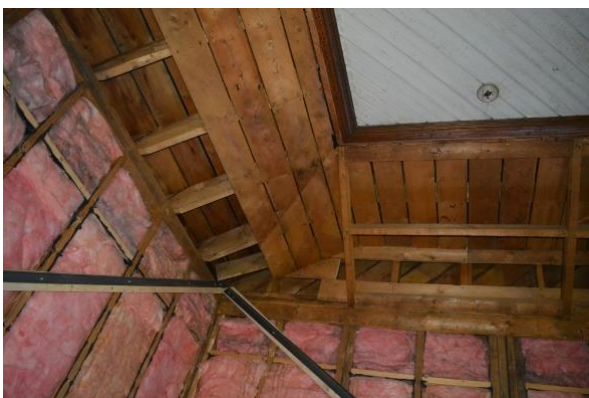
2<sup>nd</sup> Floor – South Court Room – Ceiling – NW Corner 2



2<sup>nd</sup> Floor – South Court Room – Ceiling – SE  
Corner 1



2<sup>nd</sup> Floor – South Court Room – Ceiling – SE  
Corner 2



2<sup>nd</sup> Floor – South Court Room – Ceiling – SW  
Corner



2<sup>nd</sup> Floor – South Court Room – Floor – Centre –  
East



2<sup>nd</sup> Floor – South Court Room – Floor – Centre –  
West 1



2<sup>nd</sup> Floor – South Court Room – Floor – Centre –  
West 2





2<sup>nd</sup> Floor – South Court Room – Floor – Close Up



2<sup>nd</sup> Floor – South Court Room – Floor – East



2<sup>nd</sup> Floor – South Court Room – Floor – West



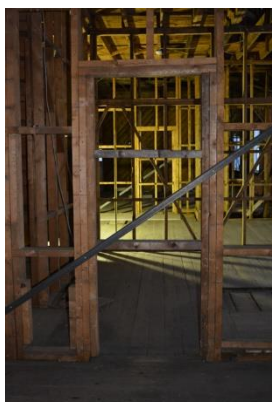
2<sup>nd</sup> Floor – South Court Room – Openings –  
Balcony Door 1



2<sup>nd</sup> Floor – South Court Room – Openings –  
Balcony Door 2



2<sup>nd</sup> Floor – South Court Room – Openings – NE  
Window



2<sup>nd</sup> Floor – South Court Room – Openings – North  
Door



2<sup>nd</sup> Floor – South Court Room – Openings – North  
Main Door



2<sup>nd</sup> Floor – South Court Room – Openings – NW  
Window



2<sup>nd</sup> Floor – South Court Room – Openings – SE  
Window 1



2<sup>nd</sup> Floor – South Court Room – Openings – SE  
Window 2



2<sup>nd</sup> Floor – South Court Room – Openings – South  
Door



2<sup>nd</sup> Floor – South Court Room – Openings – South Window



2<sup>nd</sup> Floor – South Court Room – Openings – SW Window



2<sup>nd</sup> Floor – South Court Room – Overall – Centre – North 1



2<sup>nd</sup> Floor – South Court Room – Overall – Centre – North 2



2<sup>nd</sup> Floor – South Court Room – Overall – Centre – South 1



2<sup>nd</sup> Floor – South Court Room – Overall – Centre – South 2





2<sup>nd</sup> Floor – South Court Room – Overall – East



2<sup>nd</sup> Floor – South Court Room – Overall – North 1



2<sup>nd</sup> Floor – South Court Room – Overall – North 2



2<sup>nd</sup> Floor – South Court Room – Overall – South 1



2<sup>nd</sup> Floor – South Court Room – Overall – South 2



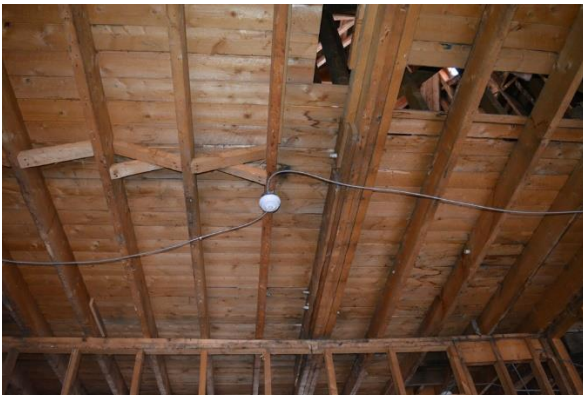
2<sup>nd</sup> Floor – South Court Room – Overall – West



2<sup>nd</sup> Floor – Stairway – Overall – East



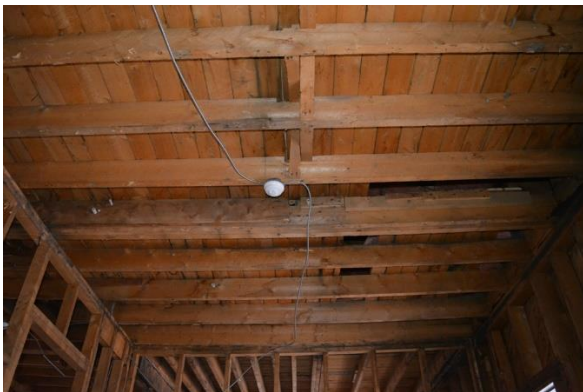
2<sup>nd</sup> Floor – Stairway – Overall – South



2<sup>nd</sup> Floor – Witnesses Room – Ceiling – East



2<sup>nd</sup> Floor – Witnesses Room – Ceiling – North



2<sup>nd</sup> Floor – Witnesses Room – Ceiling – South



2<sup>nd</sup> Floor – Witnesses Room – Ceiling – West





2<sup>nd</sup> Floor – Witnesses Room – Floor – NE Corner  
Detail



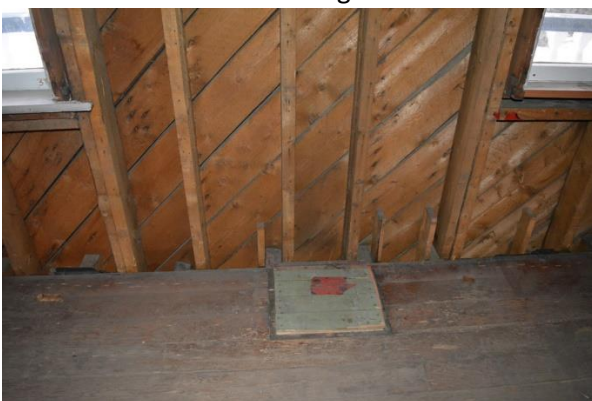
2<sup>nd</sup> Floor – Witnesses Room – Floor – North



2<sup>nd</sup> Floor – Witnesses Room – Floor – SE Corner  
Detailing



2<sup>nd</sup> Floor – Witnesses Room – Floor – South



2<sup>nd</sup> Floor – Witnesses Room – Floor – West Detail  
1



2<sup>nd</sup> Floor – Witnesses Room – Floor – West Detail  
2





2<sup>nd</sup> Floor – Witnesses Room – Openings – NE Door



2<sup>nd</sup> Floor – Witnesses Room – Openings – North Door



2<sup>nd</sup> Floor – Witnesses Room – Openings – NW Window 1



2<sup>nd</sup> Floor – Witnesses Room – Openings – NW Window 2



2<sup>nd</sup> Floor – Witnesses Room – Openings – SE Door



2<sup>nd</sup> Floor – Witnesses Room – SW Window 1



2<sup>nd</sup> Floor – Witnesses Room – Openings – SW  
Window 2



2<sup>nd</sup> Floor – Witnesses Room – Overall – East 1



2<sup>nd</sup> Floor – Witnesses Room – Overall – East 2



2<sup>nd</sup> Floor – Witnesses Room – Overall – East 3



2<sup>nd</sup> Floor – Witnesses Room – Overall – North



2<sup>nd</sup> Floor – Witnesses Room – Overall – South



2<sup>nd</sup> Floor – Witnesses Room – Overall – West 1



2<sup>nd</sup> Floor – Witnesses Room – Overall – West 2



2<sup>nd</sup> Floor – Witnesses Room – Overall – West 3



#### 6.3.4 Interior - Third Floor



3<sup>rd</sup> Floor – Main Space – Details – Space Above N Court Room



3<sup>rd</sup> Floor – Main Space – Details – Space Above S Court Room



3<sup>rd</sup> Floor – Main Space – Details – Supporting Structure



3<sup>rd</sup> Floor – Main Space – Floor – East 1



3<sup>rd</sup> Floor – Main Space – Floor – East 2



3<sup>rd</sup> Floor – Main Space – Floor – East 3



3<sup>rd</sup> Floor – Main Space – Floor – NE



3<sup>rd</sup> Floor – Main Space – Floor – North



3<sup>rd</sup> Floor – Main Space – Floor – NW



3<sup>rd</sup> Floor – Main Space – Floor – SW



3<sup>rd</sup> Floor – Main Space – Floor – West



3<sup>rd</sup> Floor – Main Space – Openings – Hole Above Catwalk





3<sup>rd</sup> Floor – Main Space – Overall – East 1



3<sup>rd</sup> Floor – Main Space – Overall – East 2



3<sup>rd</sup> Floor – Main Space – Overall – North 1



3<sup>rd</sup> Floor – Main Space – Overall – North 2



3<sup>rd</sup> Floor – Main Space – Overall – North 3



3<sup>rd</sup> Floor – Main Space – Overall – North 4





3<sup>rd</sup> Floor – Main Space – Overall – South 1



3<sup>rd</sup> Floor – Main Space – Overall – South 2



3<sup>rd</sup> Floor – Main Space – Overall – West 1



3<sup>rd</sup> Floor – Main Space – Overall – West 2



3<sup>rd</sup> Floor – Main Space – Overall – West 3



3<sup>rd</sup> Floor – Main Stairway – Balustrade – Wall Board Detail 1



3<sup>rd</sup> Floor – Main Stairway – Balustrade – Wall  
Board Detail 2



3<sup>rd</sup> Floor – Main Stairway – Balustrade – Wall  
Board Detail 3



3<sup>rd</sup> Floor – Main Stairway – Balustrade – Wall  
Board Detail 4



3<sup>rd</sup> Floor – Main Stairway – Overall – Balustrade



3<sup>rd</sup> Floor – Turret – Ceiling – Centre 1



3<sup>rd</sup> Floor – Turret – Ceiling – Centre 2





3<sup>rd</sup> Floor – Turret – Ceiling – NW



3<sup>rd</sup> Floor – Turret – Ceiling – SE 1



3<sup>rd</sup> Floor – Turret – Ceiling – SE 2



3<sup>rd</sup> Floor – Turret – Floor



3<sup>rd</sup> Floor – Turret – Overall – East 1



3<sup>rd</sup> Floor – Turret – Overall – East 2





3<sup>rd</sup> Floor – Turret – Overall – North 1



3<sup>rd</sup> Floor – Turret – Overall – South 1



3<sup>rd</sup> Floor – Turret – Overall – South 2



3<sup>rd</sup> Floor – Turret – Overall – West 1



3<sup>rd</sup> Floor – Turret – Overall – West 2



Appendix 'F' – Building Floor & Eaves Elevations Surveys  
and Point Data

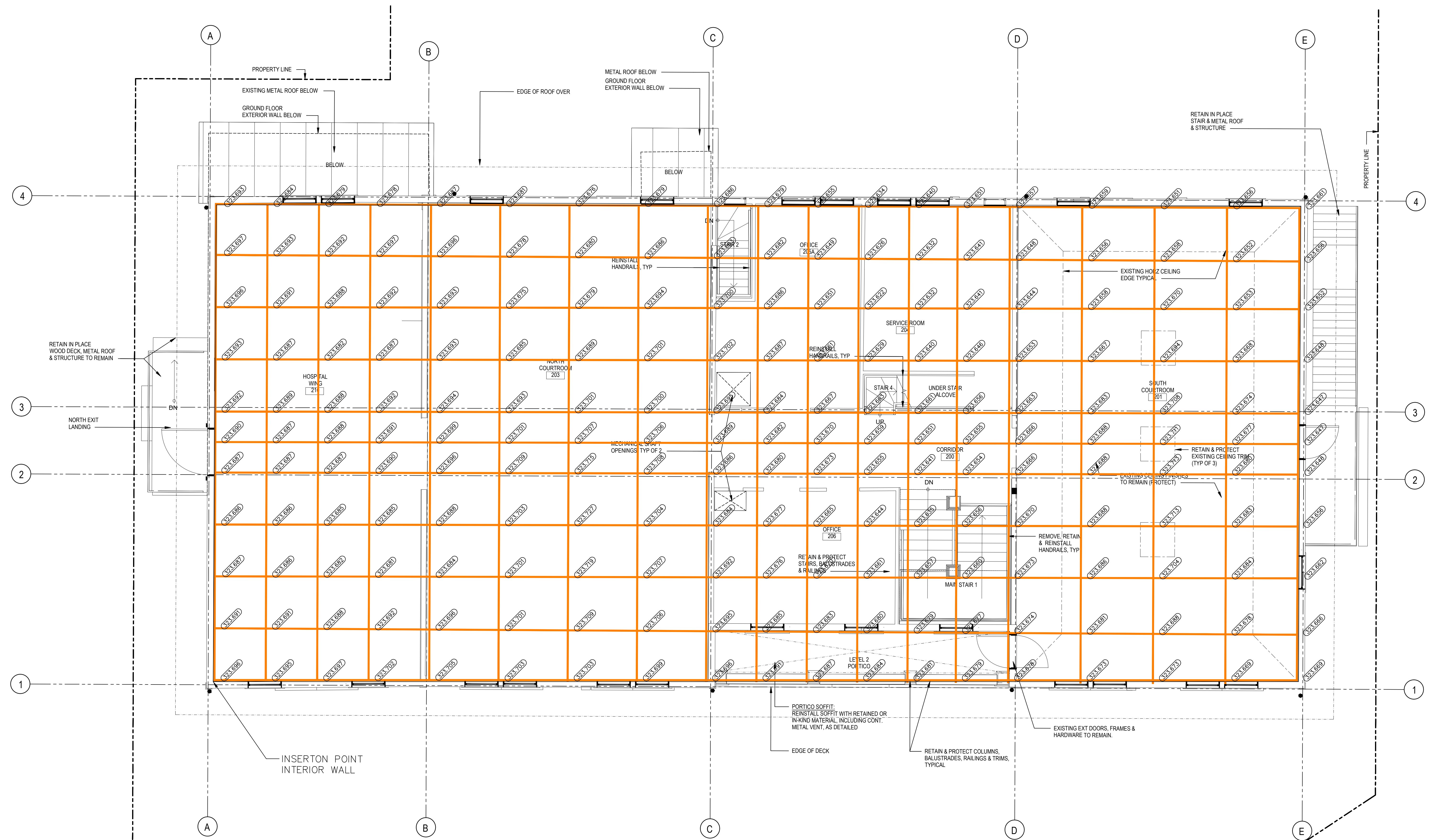












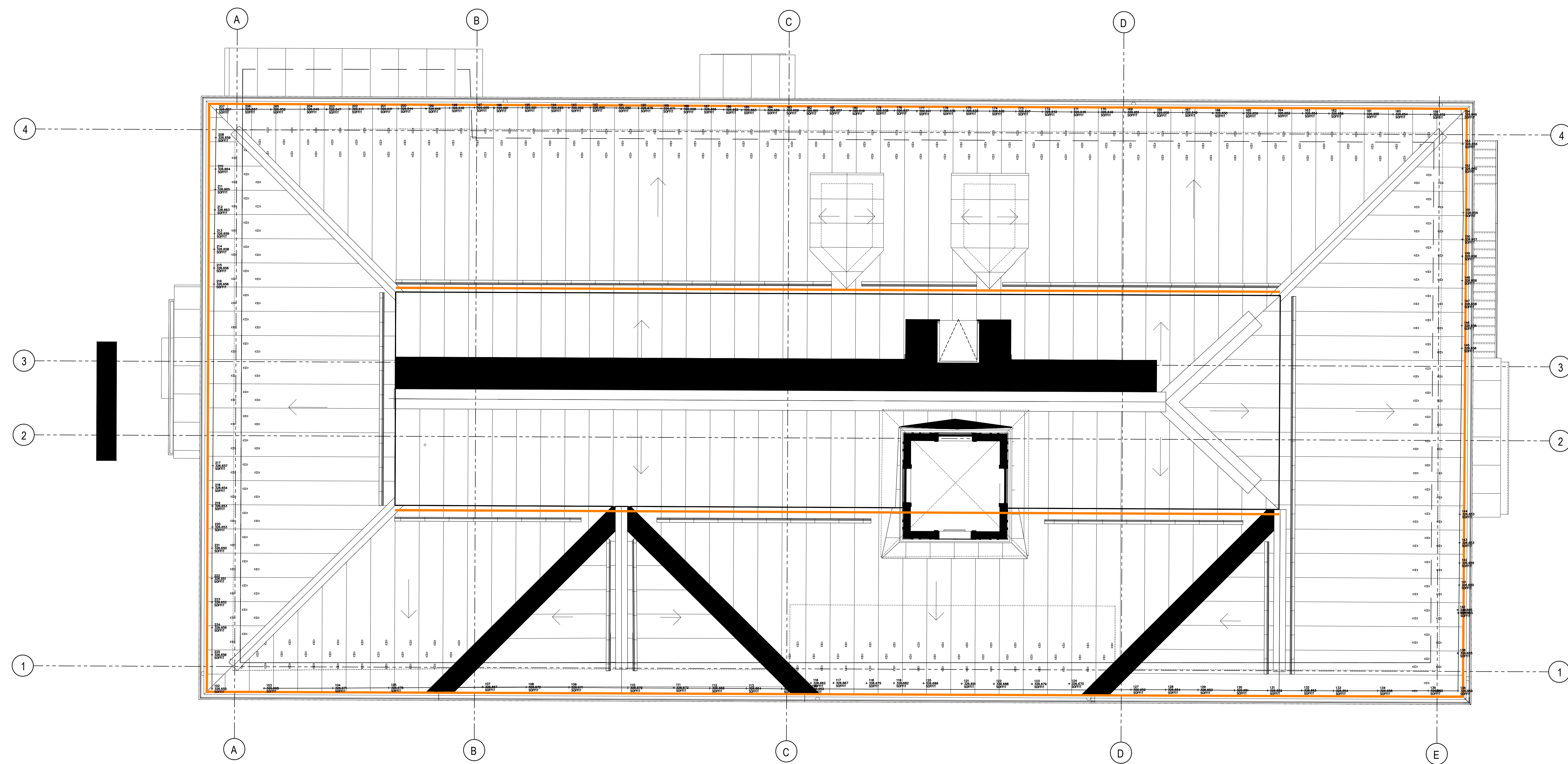
LEVEL 2











UNDERSIDE OF SOFFITS





Former Territorial Courthouse  
Phase 2: Structural Roof Upgrade

SURVEY POINTS: FIRST FLOOR

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1st1	50022.86	4996.57	319.878 FLOOR
1st2	50022.82	4998.27	319.861 FLOOR
1st3	50021.06	4998.322	319.87 FLOOR
1st4	50021.21	4996.513	319.889 FLOOR
1st5	50019.84	4998.326	319.873 FLOOR
1st6	50018.34	4998.294	319.875 FLOOR
1st7	50018.55	4996.464	319.894 FLOOR
1st8	50018.74	4994.908	319.919 FLOOR
1st9	50020.11	4996.186	319.895 FLOOR
1st10	50020.34	4994.772	319.918 FLOOR
1st11	50022.87	4994.754	319.888 FLOOR
1st12	50022.84	4992.396	319.868 FLOOR
1st13	50020.86	4992.537	319.901 FLOOR
1st14	50019.21	4992.653	319.9 FLOOR
1st15	50017.41	4992.47	319.9 FLOOR
1st16	50017.41	4994.959	319.893 FLOOR
1st17	50017.41	4990.65	319.87 FLOOR
1st18	50019.1	4990.671	319.87 FLOOR
1st19	50021.16	4990.702	319.886 FLOOR
1st20	50022.87	4990.706	319.846 FLOOR
1st21	50023.01	4989.05	319.883 FLOOR
1st22	50021.43	4988.774	319.886 FLOOR
1st23	50023.03	4987.914	319.887 FLOOR
1st24	50021.45	4987.775	319.886 FLOOR
1st25	50021.49	4985.942	319.888 FLOOR
1st26	50019.51	4984.787	319.893 FLOOR
1st27	50019.44	4986.426	319.935 FLOOR
1st28	50019.39	4988.21	319.922 FLOOR
1st29	50019.34	4989.965	319.892 FLOOR
1st30	50017.17	4989.885	319.884 FLOOR
1st31	50017.72	4987.092	319.881 FLOOR
1st32	50017.44	4984.826	319.88 FLOOR
1st33	50015.51	4984.821	319.869 FLOOR
1st34	50015.13	4986.004	319.878 FLOOR
1st35	50015.12	4987.552	319.888 FLOOR
1st36	50014.82	4997.725	319.88 FLOOR
1st37	50014.77	4995.899	319.895 FLOOR
1st38	50013.09	4995.779	319.895 FLOOR
1st39	50013.14	4995.03	319.895 FLOOR
1st40	50013.07	4996.687	319.891 FLOOR
1st41	50012.81	4998.181	319.877 FLOOR
1st42	50011.15	4998.23	319.871 FLOOR
1st43	50011.14	4996.972	319.884 FLOOR
1st44	50010.89	4995.36	319.883 FLOOR
1st45	50010.74	4994.693	319.88 FLOOR
1st46	50009.97	4994.643	319.867 FLOOR
1st47	50009.98	4996.136	319.872 FLOOR

Former Territorial Courthouse  
Phase 2: Structural Roof Upgrade

SURVEY POINTS: FIRST FLOOR

Page 2 of 6

1st48	50009.91	4997.331	319.87 FLOOR
1st49	50009.88	4998.21	319.864 FLOOR
1st50	50022.96	4998.413	321.614 N WALL
1st51	50022.99	4994.859	321.632 N WALL
1st52	50022.99	4991.112	321.715 N WALL
1st53	50009.77	4997.259	321.804 S WALL
1st54	50009.79	4994.68	321.813 S WALL
1st55	50023.78	4990.272	319.853 FLOOR
1st56	50024.62	4990.333	319.842 FLOOR
1st57	50024.61	4988.877	319.837 FLOOR
1st58	50023.25	4988.672	319.879 FLOOR
1st59	50023.36	4986.923	319.9 FLOOR
1st60	50024.64	4986.909	319.867 FLOOR
1st61	50024.62	4984.831	319.877 FLOOR
1st62	50022.92	4984.849	319.905 FLOOR
1st63	50015.81	4990.277	319.889 FLOOR
1st64	50014.06	4990.345	319.863 FLOOR
1st65	50014.28	4988.551	319.883 FLOOR
1st66	50014.3	4986.656	319.88 FLOOR
1st67	50014.24	4984.818	319.87 FLOOR
1st68	50012.11	4984.778	319.873 FLOOR
1st69	50012.16	4986.638	319.887 FLOOR
1st70	50012.05	4988.292	319.887 FLOOR
1st71	50011.92	4990.287	319.867 FLOOR
1st72	50009.92	4990.229	319.889 FLOOR
1st73	50009.92	4988.737	319.89 FLOOR
1st74	50009.89	4986.986	319.888 FLOOR
1st75	50009.86	4985.567	319.882 FLOOR
1st76	50009.86	4984.756	319.878 FLOOR
1st77	50011.15	4991.751	319.88 FLOOR
1st78	50010.11	4991.965	319.874 FLOOR
1st79	50010.07	4993.704	319.874 FLOOR
1st80	50009.91	4994.263	319.869 FLOOR
1st81	50011.78	4994.196	319.889 FLOOR
1st82	50011.7	4992.963	319.891 FLOOR
1st83	50011.73	4991.638	319.882 FLOOR
1st84	50013.58	4991.452	319.883 FLOOR
1st85	50013.82	4993.532	319.901 FLOOR
1st86	50016.04	4996.945	319.893 FLOOR
1st87	50016.39	4991.925	319.898 FLOOR
1st88	50016.31	4994.201	319.912 FLOOR
1st89	50016.26	4996.672	319.895 FLOOR
1st90	50016.27	4998.918	319.88 FLOOR
1st91	50016.22	5001.348	319.865 FLOOR
1st92	50022.96	4990.493	321.542 N WALL CORNER
1st93	50024.71	4990.427	321.551 N WALL CORNER
1st94	50024.72	4984.705	321.548 N WALL CORNER

Former Territorial Courthouse  
Phase 2: Structural Roof Upgrade

SURVEY POINTS: FIRST FLOOR

Page 3 of 6

1st95	50009.73	4984.641	321.533 S WALL CORNER
1st96	50009.75	4986.497	321.531 S WALL
1st97	50009.77	4989.883	321.536 S WALL
1st98	50014.66	4984.664	321.508 W WALL
1st99	50017.81	4984.674	321.511 W WALL
1st100	50022.28	4984.697	321.412 W WALL
1st101	50009.77	4993.607	320.954 S WALL
1st102	50015.43	5000.437	319.863 FLOOR
1st103	50014.78	4998.885	319.847 FLOOR
1st104	50013.02	4998.805	319.85 FLOOR
1st105	50012.84	4999.967	319.849 FLOOR
1st106	50013.59	5000.507	319.846 FLOOR
1st107	50012.1	5000.763	319.847 FLOOR
1st108	50011.5	5001.784	319.852 FLOOR
1st109	50012.82	5001.907	319.86 FLOOR
1st110	50012.75	5003.286	319.848 FLOOR
1st111	50011.48	5003.395	319.852 FLOOR
1st112	50014.67	5003.35	319.87 FLOOR
1st113	50014.8	5001.833	319.867 FLOOR
1st114	50014.71	5004.843	319.859 FLOOR
1st115	50013.38	5004.846	319.863 FLOOR
1st116	50011.42	5004.946	319.813 FLOOR
1st117	50011.51	5004.136	319.813 FLOOR
1st118	50011.41	5005.543	319.815 FLOOR
1st119	50015.76	5003.325	319.871 FLOOR
1st120	50016.12	5000.918	319.869 FLOOR
1st121	50015.8	5002.14	319.868 FLOOR
1st122	50016.89	5002.43	319.852 FLOOR
1st123	50016.5	5004.019	319.86 FLOOR
1st124	50018.23	5006.211	319.882 FLOOR
1st125	50019.32	5006.459	319.877 FLOOR
1st126	50018.25	5005.149	319.845 FLOOR
1st127	50018.66	5004.068	319.861 FLOOR
1st128	50017.56	5003.5	319.851 FLOOR
1st129	50019.98	5004.905	319.847 FLOOR
1st130	50020.18	5003.143	319.862 FLOOR
1st131	50020.4	5001.699	319.861 FLOOR
1st132	50018.86	5001.686	319.861 FLOOR
1st133	50017.73	5002.043	319.853 FLOOR
1st134	50021.59	5000.308	319.854 FLOOR
1st135	50022.83	4999.729	319.817 FLOOR
1st136	50022.82	5001.086	319.832 FLOOR
1st137	50022.75	5002.479	319.834 FLOOR
1st138	50022.79	5003.785	319.832 FLOOR
1st139	50022.79	5005.867	319.863 FLOOR
1st140	50022.77	5006.513	319.859 FLOOR
1st141	50021.64	5006.466	319.878 FLOOR



Former Territorial Courthouse  
Phase 2: Structural Roof Upgrade

SURVEY POINTS: FIRST FLOOR

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1st142	50015.59	5005.095	319.858 FLOOR
1st143	50016.92	5005.491	319.846 FLOOR
1st144	50017.05	5007.074	319.853 FLOOR
1st145	50015.67	5007.275	319.862 FLOOR
1st146	50015.57	5008.811	319.879 FLOOR
1st147	50017.1	5008.833	319.879 FLOOR
1st148	50017.02	5010.626	319.895 FLOOR
1st149	50015.55	5010.841	319.896 FLOOR
1st150	50015.53	5013.386	319.857 FLOOR
1st151	50017.08	5013.603	319.846 FLOOR
1st152	50017.04	5014.534	319.825 FLOOR
1st153	50015.61	5014.441	319.828 FLOOR
1st154	50011.34	4999.378	321.449 S WALL
1st155	50011.37	5003.434	321.438 S WALL
1st156	50011.31	5006.655	320.211 S WALL
1st157	50022.89	5005.833	320.542 N WALL
1st158	50022.93	4999.96	320.616 N WALL
1st159	50014.72	5008.658	319.887 FLOOR
1st160	50013.16	5008.565	319.883 FLOOR
1st161	50013.1	5009.882	319.893 FLOOR
1st162	50014.47	5009.684	319.896 FLOOR
1st163	50015.01	5007.101	319.86 FLOOR
1st164	50013.47	5007.124	319.863 FLOOR
1st165	50011.99	5007.759	319.878 FLOOR
1st166	50011.82	5007.166	319.876 FLOOR
1st167	50011.88	5009.373	319.884 FLOOR
1st168	50011.81	5009.89	319.884 FLOOR
1st169	50009.89	5009.857	319.854 FLOOR
1st170	50009.87	5008.638	319.857 FLOOR
1st171	50009.89	5006.986	319.856 FLOOR
1st172	50010.15	5010.888	319.86 FLOOR
1st173	50009.87	5010.997	319.851 FLOOR
1st174	50011.97	5010.846	319.886 FLOOR
1st175	50013.78	5010.67	319.9 FLOOR
1st176	50022.77	5009.062	319.845 FLOOR
1st177	50022.81	5007.917	319.848 FLOOR
1st178	50022.82	5007.306	319.845 FLOOR
1st179	50022.77	5009.825	319.846 FLOOR
1st180	50022.76	5010.433	319.845 FLOOR
1st181	50021.2	5010.355	319.873 FLOOR
1st182	50021.2	5009.055	319.87 FLOOR
1st183	50021.21	5007.584	319.86 FLOOR
1st184	50017.73	5011.393	319.892 FLOOR
1st185	50017.76	5012.355	319.881 FLOOR
1st186	50017.77	5013.22	319.869 FLOOR
1st187	50017.78	5014.121	319.846 FLOOR
1st188	50019.5	5013.348	319.868 FLOOR

Former Territorial Courthouse  
Phase 2: Structural Roof Upgrade

SURVEY POINTS: FIRST FLOOR

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1st189	50019.37	5014.52	319.834 FLOOR
1st190	50019.48	5013.302	319.87 FLOOR
1st191	50019.92	5011.721	319.889 FLOOR
1st192	50021.37	5011.349	319.878 FLOOR
1st193	50022.77	5011.413	319.85 FLOOR
1st194	50022.77	5012.826	319.846 FLOOR
1st195	50021.23	5013.045	319.861 FLOOR
1st196	50021.23	5014.306	319.842 FLOOR
1st197	50022.72	5014.602	319.835 FLOOR
1st198	50014.39	5011.914	319.893 FLOOR
1st199	50013	5011.984	319.893 FLOOR
1st200	50011.65	5011.979	319.884 FLOOR
1st201	50009.85	5011.994	319.857 FLOOR
1st202	50009.86	5013.179	319.853 FLOOR
1st203	50009.85	5014.45	319.846 FLOOR
1st204	50011.57	5013.079	319.873 FLOOR
1st205	50011.52	5013.928	319.857 FLOOR
1st206	50013.07	5014.52	319.841 FLOOR
1st207	50014.26	5014.559	319.836 FLOOR
1st208	50014.93	5013.188	319.872 FLOOR
1st209	50016.98	5014.545	319.832 FLOOR
1st210	50015.8	5014.504	319.833 FLOOR
1st211	50009.77	5012.538	321.113 S WALL
1st212	50009.74	5014.644	321.378 S WALL CORNER
1st213	50013.83	5014.664	321.324 E WALL
1st214	50017.91	5014.703	321.35 E WALL
1st215	50022.88	5014.726	321.176 N WALL CORNER
1st216	50022.9	5011.102	321.193 N WALL
1st217	50019.51	4983.811	319.893 FLOOR
1st218	50017.44	4983.85	319.88 FLOOR
1st219	50015.51	4983.845	319.869 FLOOR
1st220	50024.62	4983.854	319.877 FLOOR
1st221	50022.92	4983.872	319.905 FLOOR
1st222	50014.24	4983.841	319.87 FLOOR
1st223	50012.11	4983.801	319.873 FLOOR
1st224	50009.86	4983.78	319.878 FLOOR
1st225	50008.78	4994.643	319.867 FLOOR
1st226	50008.79	4996.136	319.872 FLOOR
1st227	50008.72	4997.331	319.87 FLOOR
1st228	50008.69	4998.21	319.864 FLOOR
1st229	50008.73	4990.229	319.889 FLOOR
1st230	50008.73	4988.737	319.89 FLOOR
1st231	50008.7	4986.986	319.888 FLOOR
1st232	50008.68	4985.567	319.882 FLOOR
1st233	50008.67	4984.756	319.878 FLOOR
1st234	50008.92	4991.965	319.874 FLOOR
1st235	50008.89	4993.704	319.874 FLOOR

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Phase 2: Structural Roof Upgrade

SURVEY POINTS: FIRST FLOOR

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1st236	50008.72	4994.263	319.869 FLOOR
1st237	50008.71	5009.857	319.854 FLOOR
1st238	50008.69	5008.638	319.857 FLOOR
1st239	50008.7	5006.986	319.856 FLOOR
1st240	50008.69	5010.997	319.851 FLOOR
1st241	50008.66	5011.994	319.857 FLOOR
1st242	50008.67	5013.179	319.853 FLOOR
1st243	50008.67	5014.45	319.846 FLOOR
1st244	50017.04	5015.849	319.825 FLOOR
1st245	50015.61	5015.756	319.828 FLOOR
1st246	50019.37	5015.835	319.834 FLOOR
1st247	50021.23	5015.621	319.842 FLOOR
1st248	50022.72	5015.918	319.835 FLOOR
1st249	50009.85	5015.765	319.846 FLOOR
1st250	50013.07	5015.835	319.841 FLOOR
1st251	50014.26	5015.874	319.836 FLOOR
1st252	50016.98	5015.86	319.832 FLOOR
1st253	50015.8	5015.819	319.833 FLOOR
1st254	50025.25	4990.333	319.842 FLOOR
1st255	50025.24	4988.877	319.837 FLOOR
1st256	50025.27	4986.909	319.867 FLOOR
1st257	50025.25	4984.831	319.877 FLOOR
1st258	50023.78	4990.678	319.853 FLOOR
1st259	50024.62	4990.739	319.842 FLOOR
1st260	50023.49	4996.57	319.878 FLOOR
1st261	50023.45	4998.27	319.861 FLOOR
1st262	50023.5	4994.754	319.888 FLOOR
1st263	50023.47	4992.396	319.868 FLOOR
1st264	50023.5	4990.706	319.846 FLOOR
1st265	50023.46	4999.729	319.817 FLOOR
1st266	50023.45	5001.086	319.832 FLOOR
1st267	50023.38	5002.479	319.834 FLOOR
1st268	50023.42	5003.785	319.832 FLOOR
1st269	50023.42	5005.867	319.863 FLOOR
1st270	50023.41	5006.513	319.859 FLOOR
1st271	50023.41	5009.062	319.845 FLOOR
1st272	50023.44	5007.917	319.848 FLOOR
1st273	50023.45	5007.306	319.845 FLOOR
1st274	50023.41	5009.825	319.846 FLOOR
1st275	50023.39	5010.433	319.845 FLOOR
1st276	50023.41	5011.413	319.85 FLOOR
1st277	50023.41	5012.826	319.846 FLOOR
1st278	50023.35	5014.602	319.835 FLOOR



Former Territorial Courthouse  
Phase 2: Structural Roof Upgrade

SURVEY POINTS: SECOND FLOOR

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2nd1	50016.68	5000.687	323.67 FLOOR
2nd2	50022.87	4990.363	323.688 FLOOR
2nd3	50021.65	4990.352	323.7 FLOOR
2nd4	50021.51	4988.962	323.698 FLOOR
2nd5	50022.88	4988.995	323.678 FLOOR
2nd6	50022.83	4987.274	323.679 FLOOR
2nd7	50021.06	4987.3	323.696 FLOOR
2nd8	50021.02	4985.836	323.697 FLOOR
2nd9	50022.85	4985.921	323.685 FLOOR
2nd10	50022.84	4984.82	323.693 FLOOR
2nd11	50021.09	4984.814	323.699 FLOOR
2nd12	50019.08	4984.789	323.693 FLOOR
2nd13	50019.04	4987.397	323.68 FLOOR
2nd14	50018.93	4989.383	323.688 FLOOR
2nd15	50018.88	4990.346	323.696 FLOOR
2nd16	50017	4990.281	323.699 FLOOR
2nd17	50017.03	4988.464	323.69 FLOOR
2nd18	50017.01	4984.765	323.692 FLOOR
2nd19	50017	4986.369	323.688 FLOOR
2nd20	50014.77	4984.793	323.685 FLOOR
2nd21	50014.81	4986.502	323.687 FLOOR
2nd22	50014.8	4988.218	323.687 FLOOR
2nd23	50014.84	4990.297	323.693 FLOOR
2nd24	50012.94	4990.284	323.681 FLOOR
2nd25	50012.74	4988.217	323.68 FLOOR
2nd26	50012.73	4986.135	323.686 FLOOR
2nd27	50012.63	4984.779	323.687 FLOOR
2nd28	50009.82	4984.766	323.696 FLOOR
2nd29	50009.83	4987.045	323.695 FLOOR
2nd30	50009.86	4988.792	323.701 FLOOR
2nd31	50009.84	4990.28	323.707 FLOOR
2nd32	50022.93	4984.736	325.356 N WALL CORNER
2nd33	50022.98	4990.416	325.36 N WALL
2nd34	50017.37	4984.681	325.278 W WALL
2nd35	50013.57	4984.675	325.29 W WALL
2nd36	50009.76	4984.641	325.016 S WALL CORNER
2nd37	50009.76	4990.331	325.016 S WALL
2nd38	50009.77	4997.836	325.286 S WALL
2nd39	50009.77	4994.192	325.282 S WALL
2nd40	50023.01	4994.349	325.284 N WALL
2nd41	50022.87	4994.173	323.676 FLOOR
2nd42	50022.87	4992.382	323.682 FLOOR
2nd43	50022.88	4996.201	323.678 FLOOR
2nd44	50022.83	4997.825	323.688 FLOOR
2nd45	50020.55	4998.386	323.7 FLOOR
2nd46	50020.5	4997.142	323.693 FLOOR
2nd47	50020.14	4995.345	323.691 FLOOR

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Phase 2: Structural Roof Upgrade

SURVEY POINTS: SECOND FLOOR

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2nd48	50019.99	4993.909	323.671 FLOOR
2nd49	50020.08	4991.757	323.677 FLOOR
2nd50	50017.72	4991.753	323.681 FLOOR
2nd51	50015.97	4991.581	323.701 FLOOR
2nd52	50017.79	4993.399	323.692 FLOOR
2nd53	50017.75	4995.663	323.705 FLOOR
2nd54	50015.86	4995.919	323.715 FLOOR
2nd55	50016.08	4998.199	323.687 FLOOR
2nd56	50018.26	4998.288	323.703 FLOOR
2nd57	50013.77	4998.3	323.684 FLOOR
2nd58	50013.85	4996.196	323.706 FLOOR
2nd59	50013.86	4994.168	323.73 FLOOR
2nd60	50013.91	4991.721	323.687 FLOOR
2nd61	50011.47	4991.652	323.695 FLOOR
2nd62	50009.87	4991.601	323.701 FLOOR
2nd63	50009.88	4993.866	323.705 FLOOR
2nd64	50012	4993.752	323.716 FLOOR
2nd65	50012.16	4995.839	323.711 FLOOR
2nd66	50009.88	4995.843	323.698 FLOOR
2nd67	50009.88	4997.899	323.7 FLOOR
2nd68	50012.24	4998.198	323.695 FLOOR
2nd69	50022.93	5001.432	325.28 N WALL
2nd70	50011.32	5001.062	325.049 S WALL
2nd71	50011.44	4999.451	323.684 FLOOR
2nd72	50013.67	4999.417	323.679 FLOOR
2nd73	50013.65	5000.46	323.668 FLOOR
2nd74	50012.61	5000.067	323.671 FLOOR
2nd75	50013.94	5001.252	323.663 FLOOR
2nd76	50012.36	5001.276	323.671 FLOOR
2nd77	50011.37	5001.476	323.681 FLOOR
2nd78	50011.41	5003.408	323.679 FLOOR
2nd79	50013.26	5003.487	323.647 FLOOR
2nd80	50014.11	5003.504	323.627 FLOOR
2nd81	50016.12	5003.615	323.648 FLOOR
2nd82	50017.09	5003.737	323.666 FLOOR
2nd83	50017.12	5001.73	323.665 FLOOR
2nd84	50015.65	5001.32	323.673 FLOOR
2nd85	50016.15	4999.571	323.683 FLOOR
2nd86	50017.95	5001.273	323.663 FLOOR
2nd87	50018.34	5002.47	323.63 FLOOR
2nd88	50018.23	5000.35	323.679 FLOOR
2nd89	50020.11	4999.65	323.688 FLOOR
2nd90	50019.95	5001.306	323.647 FLOOR
2nd91	50020.28	5002.502	323.621 FLOOR
2nd92	50021.99	5002.488	323.628 FLOOR
2nd93	50022.81	5002.512	323.634 FLOOR
2nd94	50021.81	5001.107	323.649 FLOOR

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Phase 2: Structural Roof Upgrade

SURVEY POINTS: SECOND FLOOR

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2nd95	50022.87	5001.08	323.656 FLOOR
2nd96	50022.88	4999.821	323.679 FLOOR
2nd97	50021.27	4999.75	323.682 FLOOR
2nd98	50017.01	5003.987	323.661 FLOOR
2nd99	50015.16	5003.794	323.633 FLOOR
2nd100	50014.86	5005.795	323.655 FLOOR
2nd101	50016.92	5005.831	323.658 FLOOR
2nd102	50016.78	5007.464	323.671 FLOOR
2nd103	50018.89	5007.351	323.647 FLOOR
2nd104	50020.58	5007.363	323.646 FLOOR
2nd105	50022.24	5007.364	323.657 FLOOR
2nd106	50022.85	5007.395	323.66 FLOOR
2nd107	50022.82	5009.215	323.658 FLOOR
2nd108	50020.64	5009.176	323.655 FLOOR
2nd109	50018.82	5009.167	323.672 FLOOR
2nd110	50016.87	5009.167	323.693 FLOOR
2nd111	50015.06	5009.149	323.694 FLOOR
2nd112	50015.2	5007.484	323.675 FLOOR
2nd113	50013.36	5007.021	323.679 FLOOR
2nd114	50013.41	5008.849	323.69 FLOOR
2nd115	50011.5	5008.838	323.683 FLOOR
2nd116	50011.65	5006.944	323.672 FLOOR
2nd117	50009.87	5006.974	323.678 FLOOR
2nd118	50009.85	5009.208	323.672 FLOOR
2nd119	50009.87	5010.991	323.673 FLOOR
2nd120	50012.04	5010.971	323.703 FLOOR
2nd121	50013.97	5011.04	323.716 FLOOR
2nd122	50017.95	5010.687	323.706 FLOOR
2nd123	50020.33	5010.836	323.667 FLOOR
2nd124	50022.21	5010.823	323.652 FLOOR
2nd125	50022.85	5010.858	323.65 FLOOR
2nd126	50022.83	5013.161	323.657 FLOOR
2nd127	50022.8	5014.612	323.661 FLOOR
2nd128	50020.55	5014.631	323.653 FLOOR
2nd129	50020.49	5012.433	323.648 FLOOR
2nd130	50018.31	5012.483	323.671 FLOOR
2nd131	50018.18	5014.663	323.647 FLOOR
2nd132	50015.68	5014.587	323.647 FLOOR
2nd133	50015.94	5012.534	323.681 FLOOR
2nd134	50014.57	5010.621	323.717 FLOOR
2nd135	50014.52	5012.338	323.688 FLOOR
2nd136	50014.44	5014.594	323.655 FLOOR
2nd137	50011.99	5014.607	323.664 FLOOR
2nd138	50012.05	5012.464	323.688 FLOOR
2nd139	50009.87	5012.575	323.669 FLOOR
2nd140	50009.85	5014.601	323.669 FLOOR
2nd141	50018.26	5006.465	323.658 FLOOR



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Phase 2: Structural Roof Upgrade

SURVEY POINTS: SECOND FLOOR

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2nd142	50019.17	5004.169	323.634 FLOOR
2nd143	50021.54	5003.683	323.631 FLOOR
2nd144	50022.79	5003.253	323.634 FLOOR
2nd145	50020.73	5004.948	323.636 FLOOR
2nd146	50022.26	5005.329	323.645 FLOOR
2nd147	50022.83	5005.527	323.653 FLOOR
2nd148	50022.93	5007.928	325.483 N WALL
2nd149	50022.92	5014.74	325.494 N WALL CORNER
2nd150	50018.41	5014.754	325.42 E WALL
2nd151	50013.39	5014.722	325.424 E WALL
2nd152	50009.76	5014.677	325.088 S WALL CORNER
2nd153	50009.77	5007.938	325.406 S WALL
2nd154	50008.37	4984.766	323.696 FLOOR
2nd155	50008.39	4987.045	323.695 FLOOR
2nd156	50008.42	4988.792	323.701 FLOOR
2nd157	50008.4	4990.28	323.707 FLOOR
2nd158	50008.43	4991.601	323.701 FLOOR
2nd159	50008.43	4993.866	323.705 FLOOR
2nd160	50008.44	4995.843	323.698 FLOOR
2nd161	50008.44	4997.899	323.7 FLOOR
2nd162	50008.43	5006.974	323.678 FLOOR
2nd163	50008.41	5009.208	323.672 FLOOR
2nd164	50008.43	5010.991	323.673 FLOOR
2nd165	50008.43	5012.575	323.669 FLOOR
2nd166	50008.41	5014.601	323.669 FLOOR
2nd167	50022.8	5016.203	323.661 FLOOR
2nd168	50020.55	5016.222	323.653 FLOOR
2nd169	50018.18	5016.254	323.647 FLOOR
2nd170	50015.68	5016.178	323.647 FLOOR
2nd171	50014.44	5016.185	323.655 FLOOR
2nd172	50011.99	5016.198	323.664 FLOOR
2nd173	50009.85	5016.192	323.669 FLOOR
2nd174	50022.84	4983.192	323.693 FLOOR
2nd175	50021.09	4983.186	323.699 FLOOR
2nd176	50019.08	4983.161	323.693 FLOOR
2nd177	50017.01	4983.138	323.692 FLOOR
2nd178	50014.77	4983.165	323.685 FLOOR
2nd179	50012.63	4983.151	323.687 FLOOR
2nd180	50009.82	4983.138	323.696 FLOOR
2nd181	50024.31	4990.363	323.688 FLOOR
2nd182	50024.32	4988.995	323.678 FLOOR
2nd183	50024.27	4987.274	323.679 FLOOR
2nd184	50024.29	4985.921	323.685 FLOOR
2nd185	50024.28	4984.82	323.693 FLOOR
2nd186	50024.32	4994.173	323.676 FLOOR
2nd187	50024.31	4992.382	323.682 FLOOR
2nd188	50024.32	4996.201	323.678 FLOOR

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Phase 2: Structural Roof Upgrade

SURVEY POINTS: SECOND FLOOR

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2nd189	50024.27	4997.825	323.688 FLOOR
2nd190	50024.25	5002.512	323.634 FLOOR
2nd191	50024.31	5001.08	323.656 FLOOR
2nd192	50024.32	4999.821	323.679 FLOOR
2nd193	50024.29	5007.395	323.66 FLOOR
2nd194	50024.27	5009.215	323.658 FLOOR
2nd195	50024.29	5010.858	323.65 FLOOR
2nd196	50024.27	5013.161	323.657 FLOOR
2nd197	50024.25	5014.612	323.661 FLOOR
2nd198	50024.23	5003.253	323.634 FLOOR
2nd199	50024.28	5005.527	323.653 FLOOR



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Phase 2: Structural Roof Upgrade

SURVEY POINTS: THIRD FLOOR

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3rd1	50011.4	4998.616	327.385 FLOOR
3rd2	50011.45	4999.593	327.37 FLOOR
3rd3	50011.41	5000.95	327.367 FLOOR
3rd4	50013.41	5001.317	327.333 FLOOR
3rd5	50013.35	4999.799	327.351 FLOOR
3rd6	50013.34	4998.649	327.373 FLOOR
3rd7	50015.01	4998.642	327.371 FLOOR
3rd8	50015	5000.085	327.347 FLOOR
3rd9	50015.11	5001.313	327.322 FLOOR
3rd10	50017.12	4998.667	327.38 FLOOR
3rd11	50018.86	4998.699	327.377 FLOOR
3rd12	50018.9	5000.44	327.335 FLOOR
3rd13	50018.9	5001.952	327.308 FLOOR
3rd14	50017.96	5003.055	327.321 FLOOR
3rd15	50019.17	5003.103	327.301 FLOOR
3rd16	50018.53	5004.255	327.329 FLOOR
3rd17	50019.06	5005.619	327.329 FLOOR
3rd18	50020.46	5006.013	327.321 FLOOR
3rd19	50020.4	5006.778	327.316 FLOOR
3rd20	50020.42	5002.262	327.293 FLOOR
3rd21	50020.43	5000.786	327.333 FLOOR
3rd22	50020.45	4999.603	327.369 FLOOR
3rd23	50020.47	4998.751	327.379 FLOOR
3rd24	50017.03	5004.117	327.34 FLOOR
3rd25	50015.65	5004.022	327.311 FLOOR
3rd26	50015.64	5005.586	327.34 FLOOR
3rd27	50015.65	5006.756	327.364 FLOOR
3rd28	50017.16	5006.714	327.363 FLOOR
3rd29	50017.11	5005.235	327.35 FLOOR
3rd30	50013.46	5003.534	327.32 FLOOR
3rd31	50014.31	5002.914	327.306 FLOOR
3rd32	50013.64	5006.679	327.373 FLOOR
3rd33	50014.44	5005.344	327.337 FLOOR
3rd34	50012.47	5004.518	327.348 FLOOR
3rd35	50011.41	5005.483	327.383 FLOOR
3rd36	50013.34	4996.6	327.373 FLOOR
3rd37	50015.01	4996.593	327.371 FLOOR
3rd38	50017.12	4996.618	327.38 FLOOR
3rd39	50018.86	4996.65	327.377 FLOOR
3rd40	50020.47	4996.701	327.379 FLOOR
3rd41	50022.04	5006.778	327.316 FLOOR
3rd42	50022.07	5002.262	327.293 FLOOR
3rd43	50022.07	5000.786	327.333 FLOOR
3rd44	50022.09	4999.603	327.369 FLOOR
3rd45	50022.12	4998.751	327.379 FLOOR
3rd46	50015.65	5008.745	327.364 FLOOR
3rd47	50017.16	5008.702	327.363 FLOOR



Former Territorial Courthouse  
Phase 2: Structural Roof Upgrade

SURVEY POINTS: THIRD FLOOR

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3rd48	50013.64	5008.668	327.373 FLOOR
3rd49	50009.84	4998.616	327.385 FLOOR
3rd50	50009.88	4999.593	327.37 FLOOR
3rd51	50009.85	5000.95	327.367 FLOOR
3rd52	50009.85	5005.483	327.383 FLOOR
3rd53	50011.4	4996.566	327.385 FLOOR
3rd54	50022.1	5006.013	327.321 FLOOR
3rd55	50020.4	5008.766	327.316 FLOOR
3rd56	50009.84	4996.566	327.385 FLOOR

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Phase 2: Structural Roof Upgrade

SURVEY POINTS: SOFFIT

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100	50009.48	5014.833	319.752	BLDG
101	50009.56	4984.442	319.569	BLDG
102	50009.1	4983.932	326.655	SOFFIT
103	50009.12	4985.244	326.668	SOFFIT
104	50009.12	4986.975	326.671	SOFFIT
105	50009.13	4988.384	326.678	SOFFIT
106	50009.13	4989.466	326.673	SOFFIT
107	50009.15	4990.754	326.667	SOFFIT
108	50009.15	4991.849	326.672	SOFFIT
109	50009.14	4992.927	326.671	SOFFIT
110	50009.13	4994.413	326.672	SOFFIT
111	50009.13	4995.57	326.672	SOFFIT
112	50009.12	4996.477	326.669	SOFFIT
113	50009.11	4997.401	326.664	SOFFIT
114	50009.1	4998.288	326.66	SOFFIT
115	50009.1	4998.986	326.653	SOFFIT
116	50009.25	4999.026	326.662	SOFFIT
117	50009.25	4999.597	326.667	SOFFIT
118	50009.25	5000.428	326.675	SOFFIT
119	50009.25	5001.12	326.682	SOFFIT
120	50009.24	5001.864	326.689	SOFFIT
121	50009.23	5002.826	326.691	SOFFIT
122	50009.23	5003.637	326.688	SOFFIT
123	50009.23	5004.597	326.679	SOFFIT
124	50009.23	5005.535	326.67	SOFFIT
125	50009.23	5006.142	326.66	SOFFIT
126	50009.08	5006.157	326.643	SOFFIT
127	50009.08	5007.092	326.652	SOFFIT
128	50009.08	5007.964	326.654	SOFFIT
129	50009.08	5008.783	326.653	SOFFIT
130	50009.07	5009.699	326.651	SOFFIT
131	50009.06	5010.534	326.652	SOFFIT
132	50009.06	5011.394	326.653	SOFFIT
133	50009.05	5012.194	326.654	SOFFIT
134	50009.05	5013.311	326.658	SOFFIT
135	50009.06	5014.581	326.663	SOFFIT
136	50009.05	5015.333	326.659	SOFFIT
138	50010	5015.328	326.665	SOFFIT
139	50011.02	5015.337	326.665	SOFFIT
140	50011.09	5015.323	326.665	SOFFIT
141	50011.72	5015.364	326.66	SOFFIT
142	50012.27	5015.37	326.655	SOFFIT
143	50012.78	5015.372	326.653	SOFFIT
144	50013.5	5015.377	326.653	SOFFIT
145	50017.69	5015.43	326.656	SOFFIT
146	50018.25	5015.432	326.656	SOFFIT
147	50018.8	5015.438	326.658	SOFFIT

Former Territorial Courthouse  
Phase 2: Structural Roof Upgrade

SURVEY POINTS: SOFFIT

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148	50019.39	5015.44	326.656	SOFFIT
149	50020	5015.441	326.656	SOFFIT
150	50020.43	5015.445	326.657	SOFFIT
151	50021.1	5015.466	326.655	SOFFIT
152	50022.21	5015.445	326.66	SOFFIT
153	50022.83	5015.452	326.655	SOFFIT
154	50023.58	5015.44	326.649	SOFFIT
155	50023.07	5014.988	320.663	BLDG
156	50023.22	4990.648	319.847	BLDG
157	50024.93	4990.629	319.959	BLDG
158	50024.97	4984.515	319.792	BLDG
159	50023.57	5014.641	326.652	SOFFIT
160	50023.58	5013.697	326.654	SOFFIT
161	50023.59	5012.973	326.655	SOFFIT
162	50023.6	5012.08	326.656	SOFFIT
163	50023.6	5011.415	326.654	SOFFIT
164	50023.61	5010.733	326.652	SOFFIT
165	50023.6	5009.926	326.65	SOFFIT
166	50023.61	5009.152	326.65	SOFFIT
167	50023.62	5008.397	326.649	SOFFIT
168	50023.62	5007.681	326.65	SOFFIT
169	50023.63	5006.942	326.651	SOFFIT
170	50023.63	5006.273	326.649	SOFFIT
171	50023.64	5005.588	326.645	SOFFIT
172	50023.64	5004.86	326.642	SOFFIT
173	50023.65	5004.19	326.637	SOFFIT
174	50023.66	5003.533	326.632	SOFFIT
175	50023.67	5002.875	326.632	SOFFIT
176	50023.67	5002.297	326.636	SOFFIT
177	50023.66	5001.695	326.641	SOFFIT
178	50023.67	5001.126	326.637	SOFFIT
179	50023.67	5000.608	326.638	SOFFIT
180	50023.67	5000.012	326.649	SOFFIT
181	50023.68	4999.437	326.657	SOFFIT
182	50023.67	4998.854	326.661	SOFFIT
183	50023.68	4998.351	326.659	SOFFIT
184	50023.69	4997.867	326.659	SOFFIT
185	50023.69	4997.28	326.663	SOFFIT
186	50023.7	4996.827	326.662	SOFFIT
187	50023.71	4996.272	326.666	SOFFIT
188	50023.71	4995.758	326.668	SOFFIT
189	50023.73	4995.25	326.671	SOFFIT
190	50023.74	4994.678	326.675	SOFFIT
191	50023.74	4994.118	326.68	SOFFIT
192	50023.75	4993.463	326.69	SOFFIT
193	50023.74	4992.926	326.692	SOFFIT
194	50023.74	4992.417	326.693	SOFFIT

Former Territorial Courthouse  
Phase 2: Structural Roof Upgrade

SURVEY POINTS: SOFFIT

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195	50023.74	4991.754	326.691	SOFFIT
196	50023.74	4991.042	326.681	SOFFIT
197	50023.75	4990.545	326.665	SOFFIT
198	50023.74	4989.919	326.646	SOFFIT
199	50023.72	4989.325	326.646	SOFFIT
200	50023.72	4988.627	326.644	SOFFIT
201	50023.71	4988.12	326.641	SOFFIT
202	50023.71	4987.401	326.641	SOFFIT
203	50023.7	4986.817	326.647	SOFFIT
204	50023.71	4986.26	326.649	SOFFIT
205	50023.7	4985.415	326.652	SOFFIT
206	50023.71	4984.704	326.657	SOFFIT
207	50023.7	4984.045	326.657	SOFFIT
208	50022.99	4984.029	326.659	SOFFIT
209	50023.21	4984.511	324.431	BLDG
210	50022.2	4984.02	326.664	SOFFIT
211	50021.69	4984.013	326.665	SOFFIT
212	50021.17	4984.006	326.663	SOFFIT
213	50020.57	4983.994	326.659	SOFFIT
214	50020.18	4983.989	326.658	SOFFIT
215	50019.71	4983.985	326.656	SOFFIT
216	50019.3	4983.983	326.656	SOFFIT
217	50014.72	4983.952	326.657	SOFFIT
218	50014.17	4983.948	326.654	SOFFIT
219	50013.71	4983.944	326.653	SOFFIT
220	50013.18	4983.942	326.653	SOFFIT
221	50012.65	4983.934	326.65	SOFFIT
222	50011.88	4983.929	326.651	SOFFIT
223	50011.29	4983.932	326.652	SOFFIT
224	50010.65	4983.934	326.656	SOFFIT
225	50009.96	4983.931	326.656	SOFFIT



