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Building *Nunavut* Together  
*Nunavut* liuqatigiingniq  
Bâtir le *Nunavut* ensemble

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Department of Economic Development & Transportation  
Pivalliyuliyikkut Ingilrayuliyitkullu  
Ministère du Développement économique et des Transports

# Iqaluit Airport

Northern Air Transport Association

April, 2016

# Iqaluit Airport

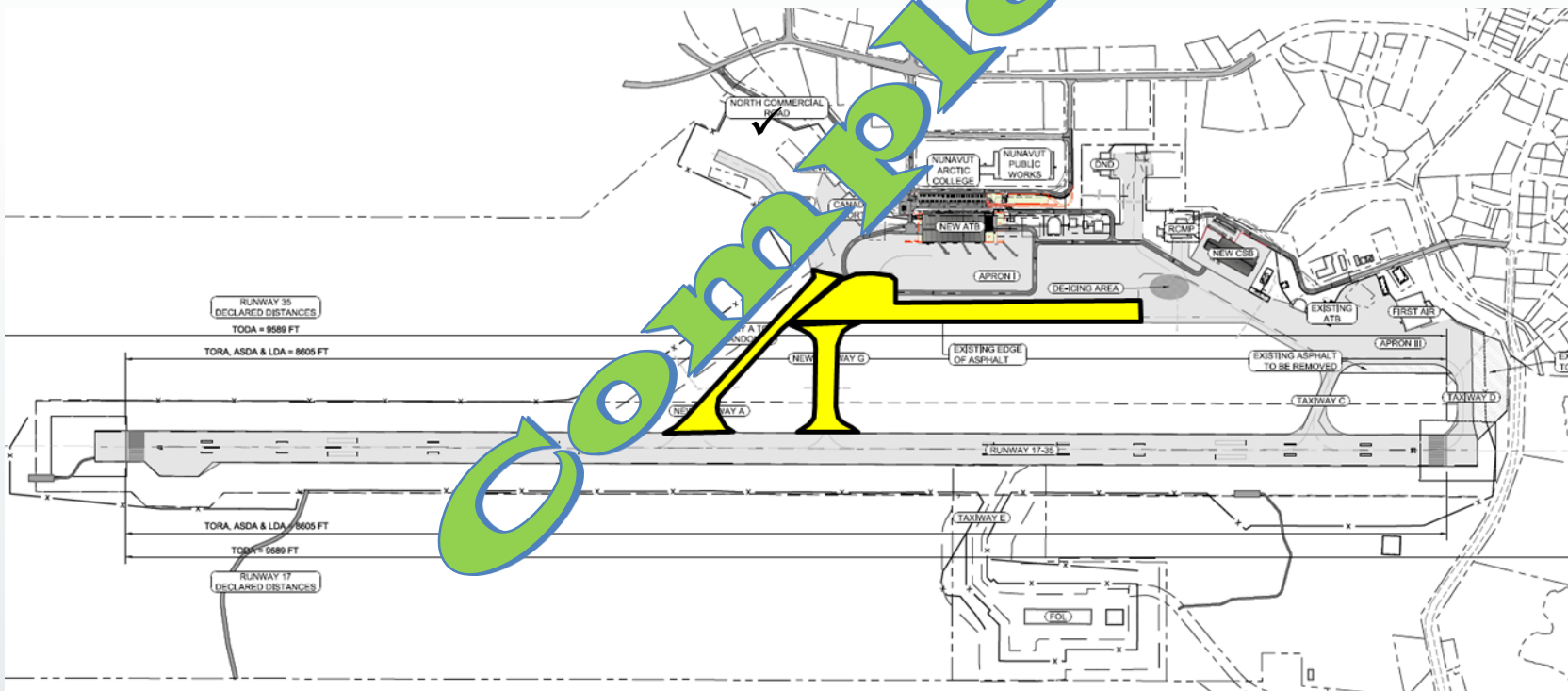
- Project Progress
- Lease Spaces – New ATB
- Runway 34 Approach Lighting (SSALR)

# Project Schedule

Description		Date
Design and Users Consultation Process / Development Permit application	✓	Summer, 2013
Submission of Initial Project Schedule	✓	August 12, 2013
Financial Close Date	✓	September 13, 2013
Submission – Schematic Design	✓	October 19, 2013
Civil and buildings construction Start	✓	Mai 2014
New ATB/ CSB – Power On		September 2016
Interim Service Commencement		August 2017
✓✓ Service Commencement		December 2017

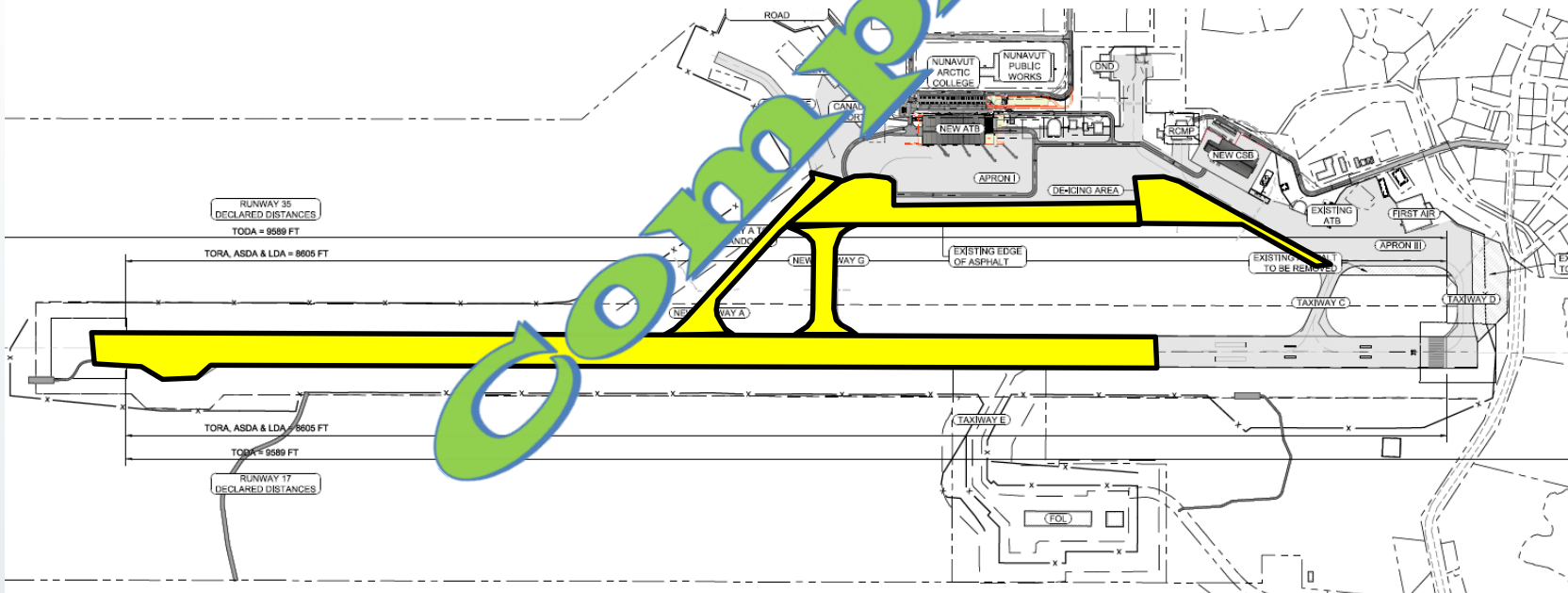
# 2014 Civil Works

- Apron 1 Extension: Excavate, backfill and install part of gravel structure
- New Taxiway A & G: Excavate, backfill and install part of gravel structure
- ATB and CSB: Excavate, install thermosyphons



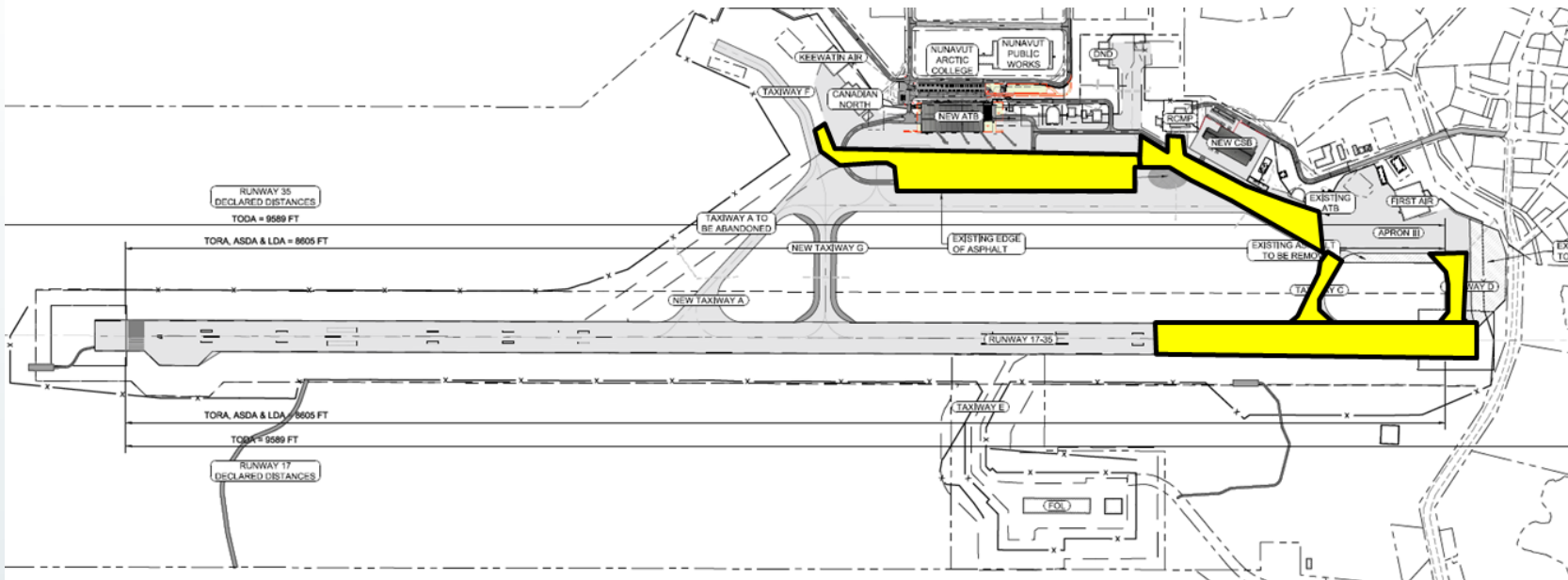
# 2015 Civil Works

- Runway: repair failed areas, leaving at least 6000'X100' available at all times
- Runway: first lift of asphalt on northern 2/3
- Apron 1 Extension: base and final lift of asphalt
- Taxiway A & G: base and final lift of asphalt
- Taxiway B: excavate, backfill, base and asphalt
- ATB and CSB: erect steel structure, pour concrete slabs, close building envelope



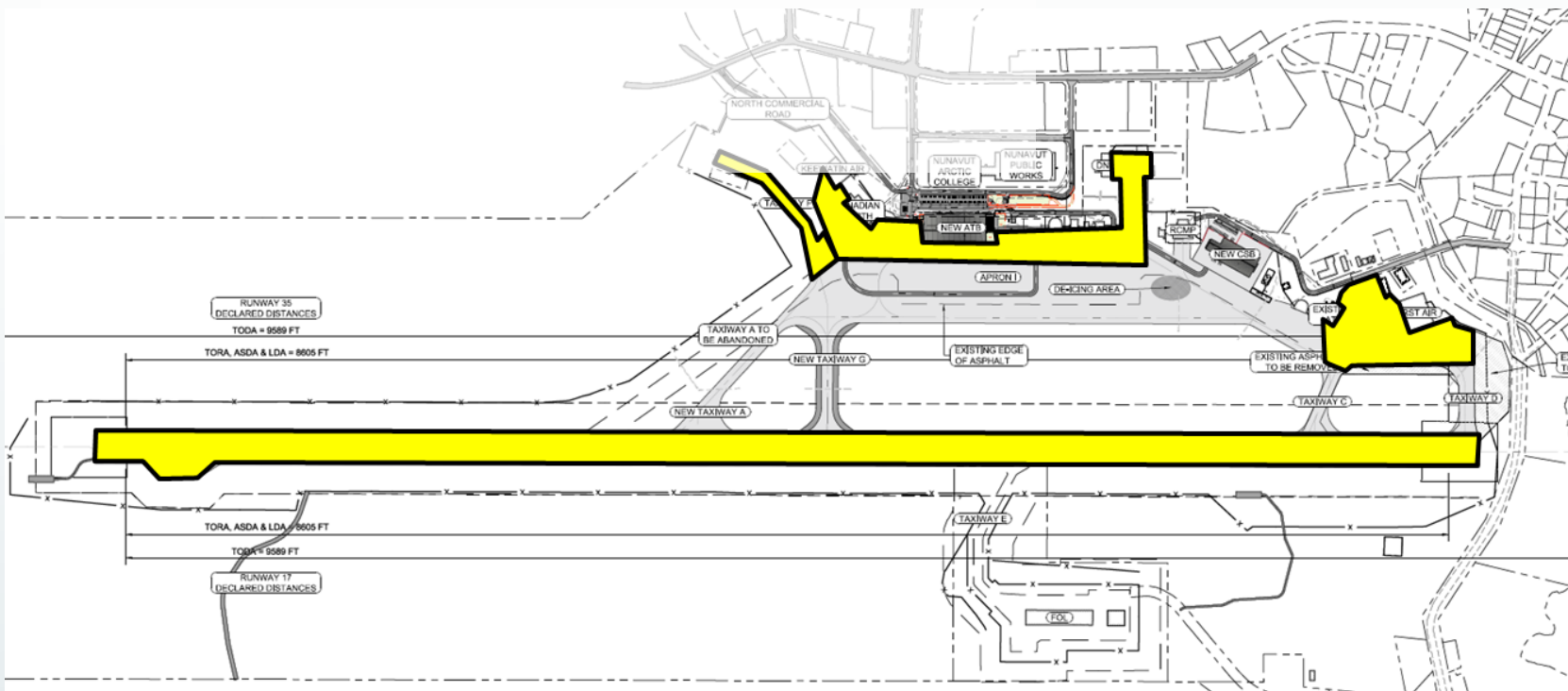
# 2016 Civil Works

- Taxiway C: asphalt overlay
- Taxiway D: asphalt overlay and decommission of non used areas
- Runway: south 1/3 repair and first lift of asphalt
- Existing Apron 1: repair failed areas and lift of asphalt on west part
- Apron II: lift of asphalt
- ATB and CSB: Mechanical, Electrical, Interior Architectural

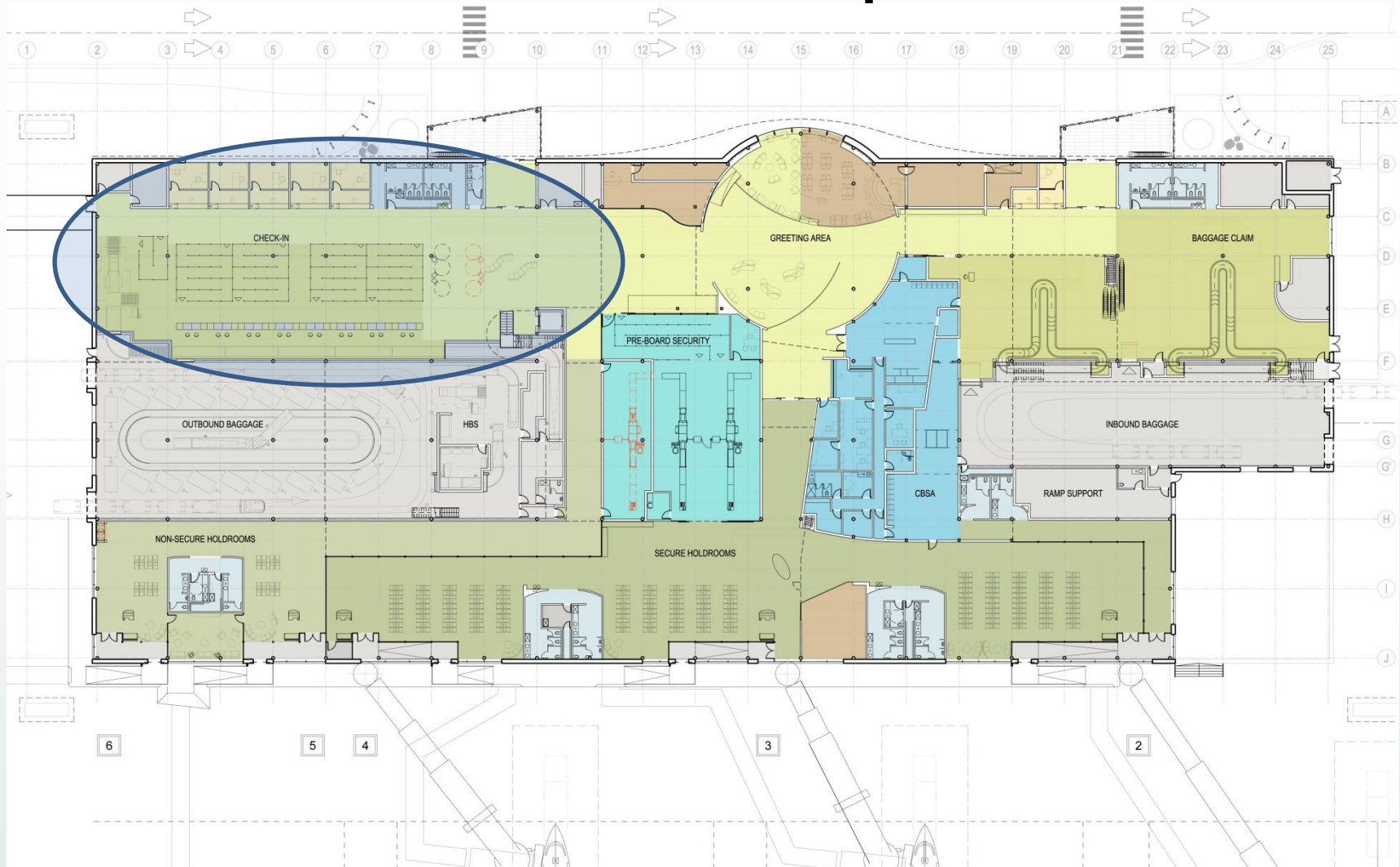


# 2017 Civil Works

- Apron I: east part paving
- Apron III: repairs and asphalt overlay
- Runway: final lift of asphalt over entire runway
- Will require restriction on 767 Ops (30 Days)

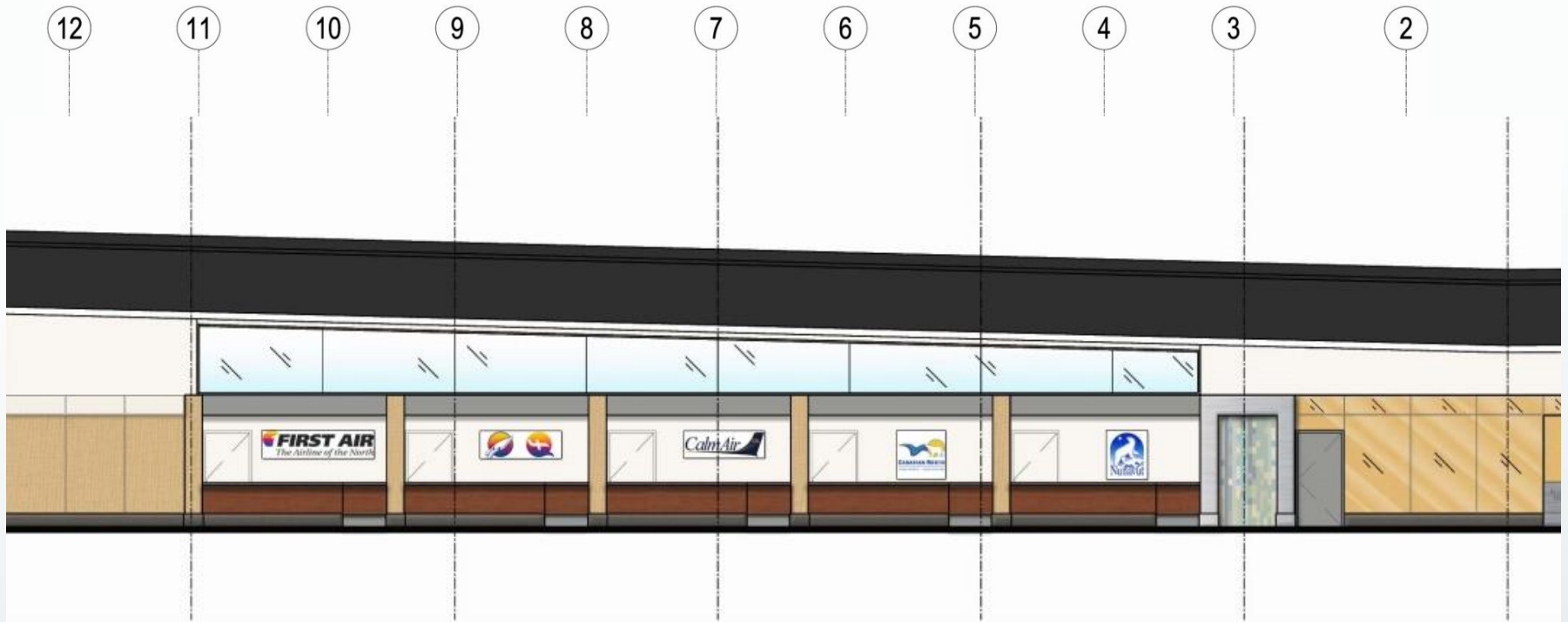


# ATB Floorplan

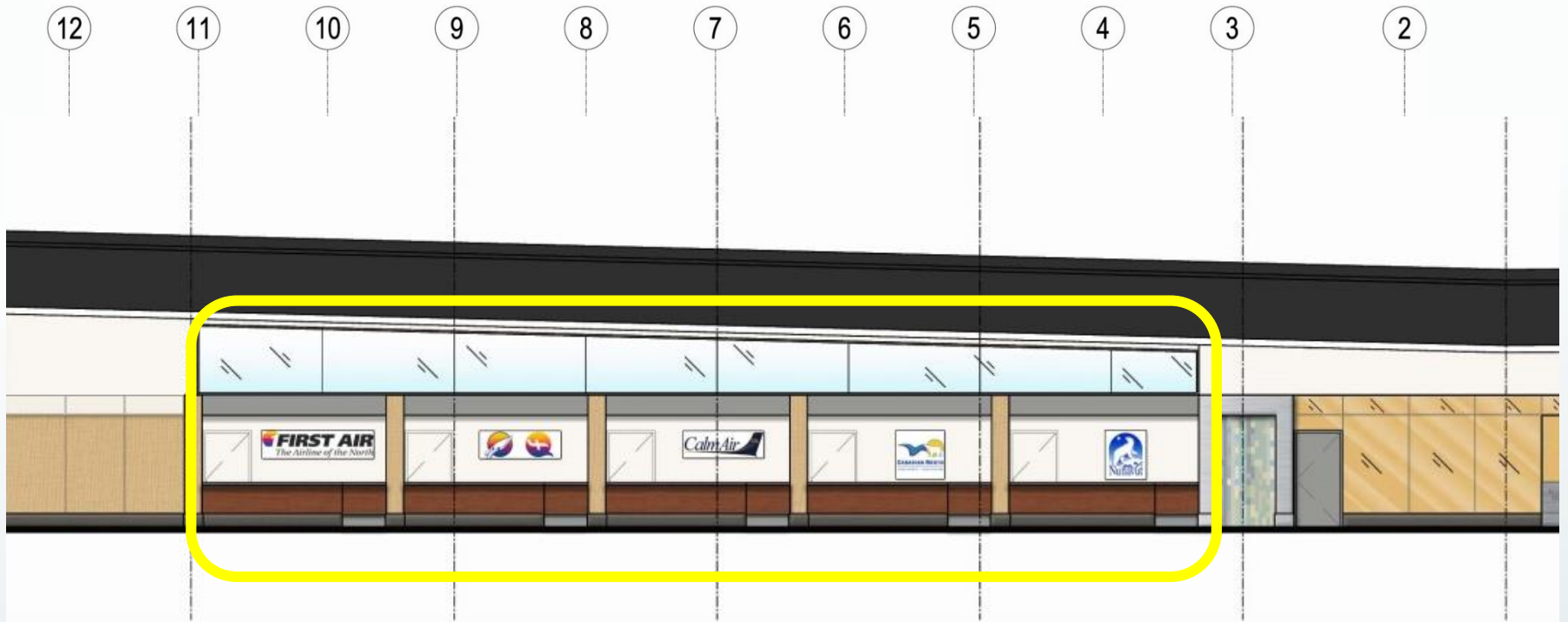




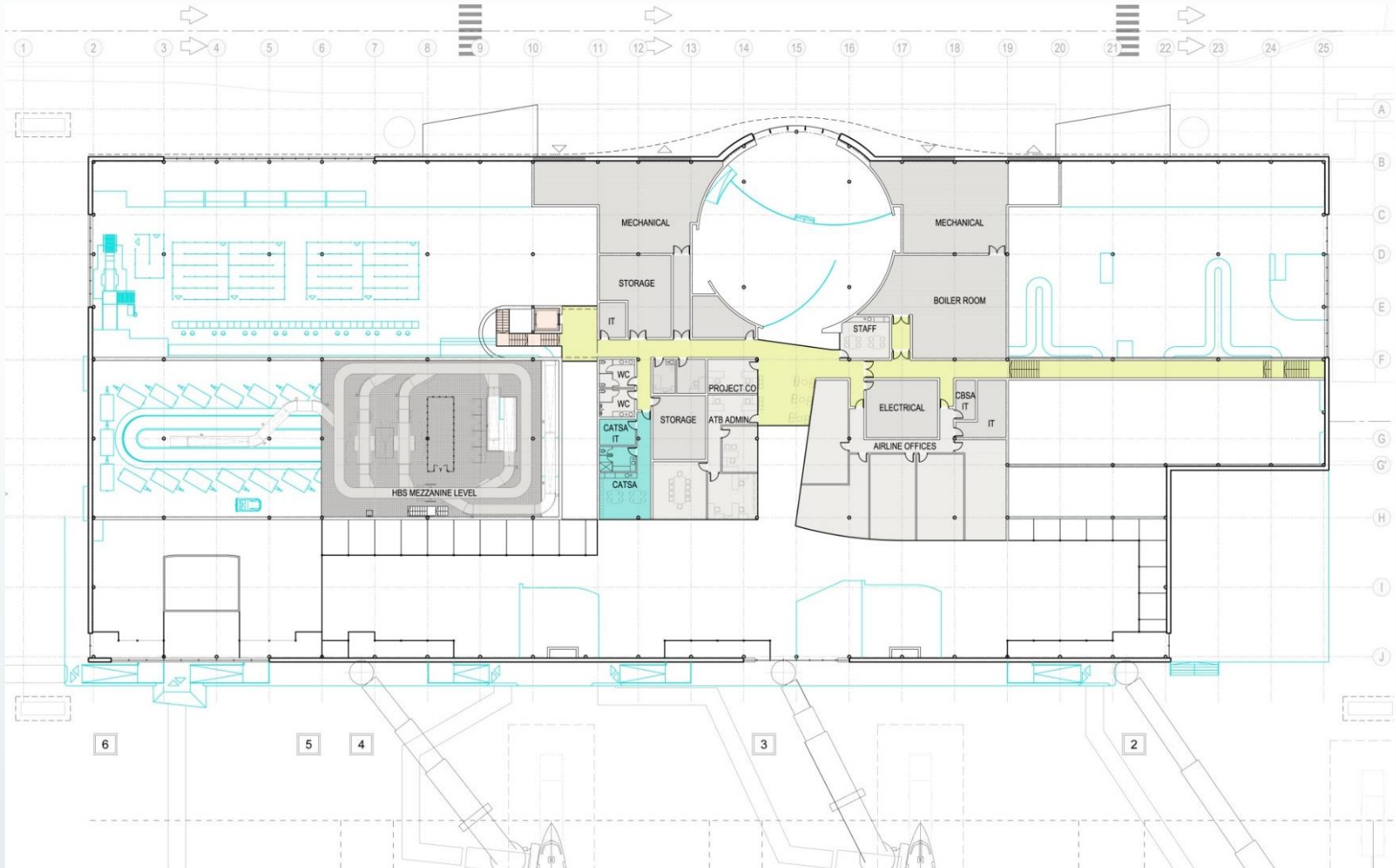
# Ticketing Offices



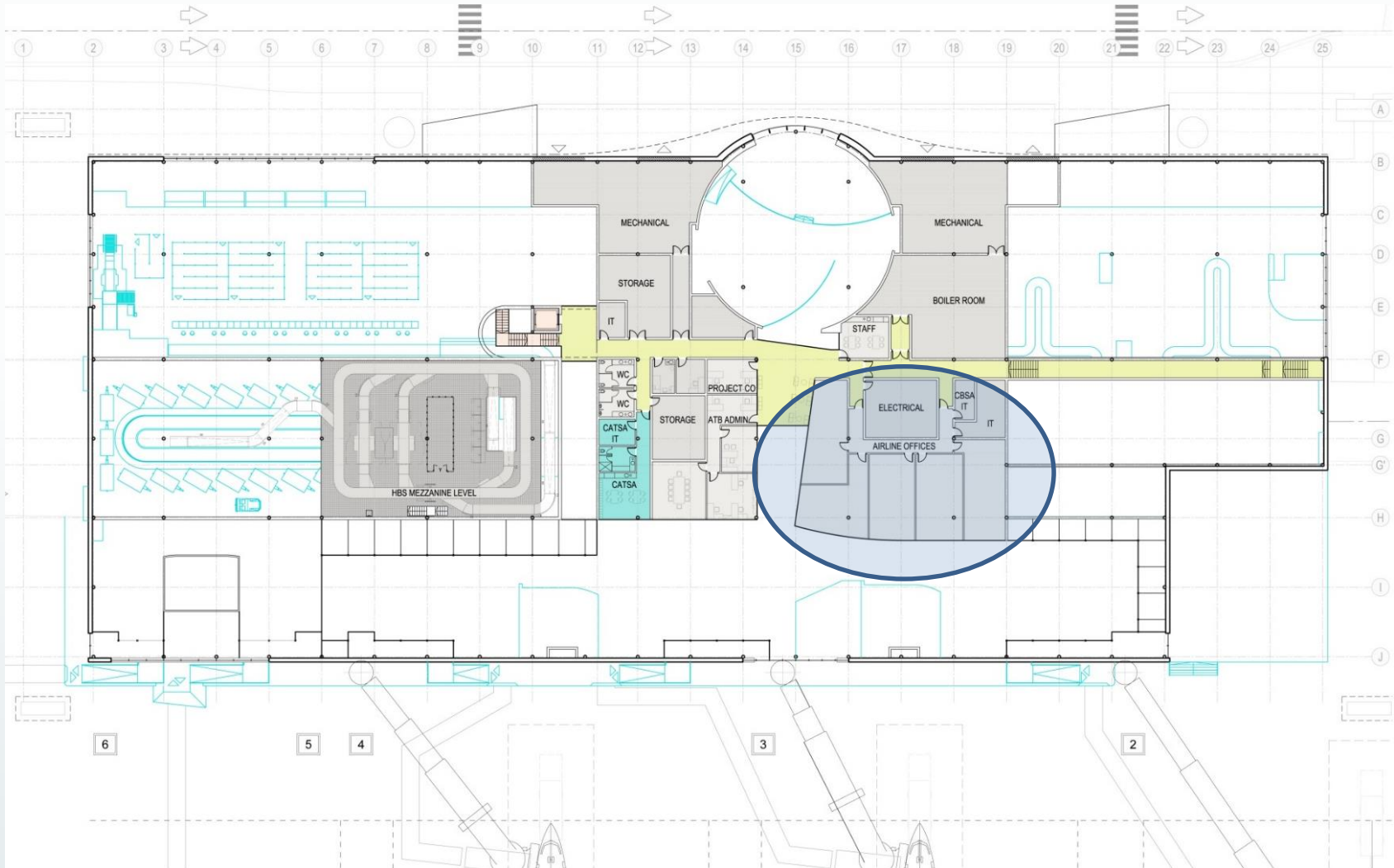
# Interior Elevations



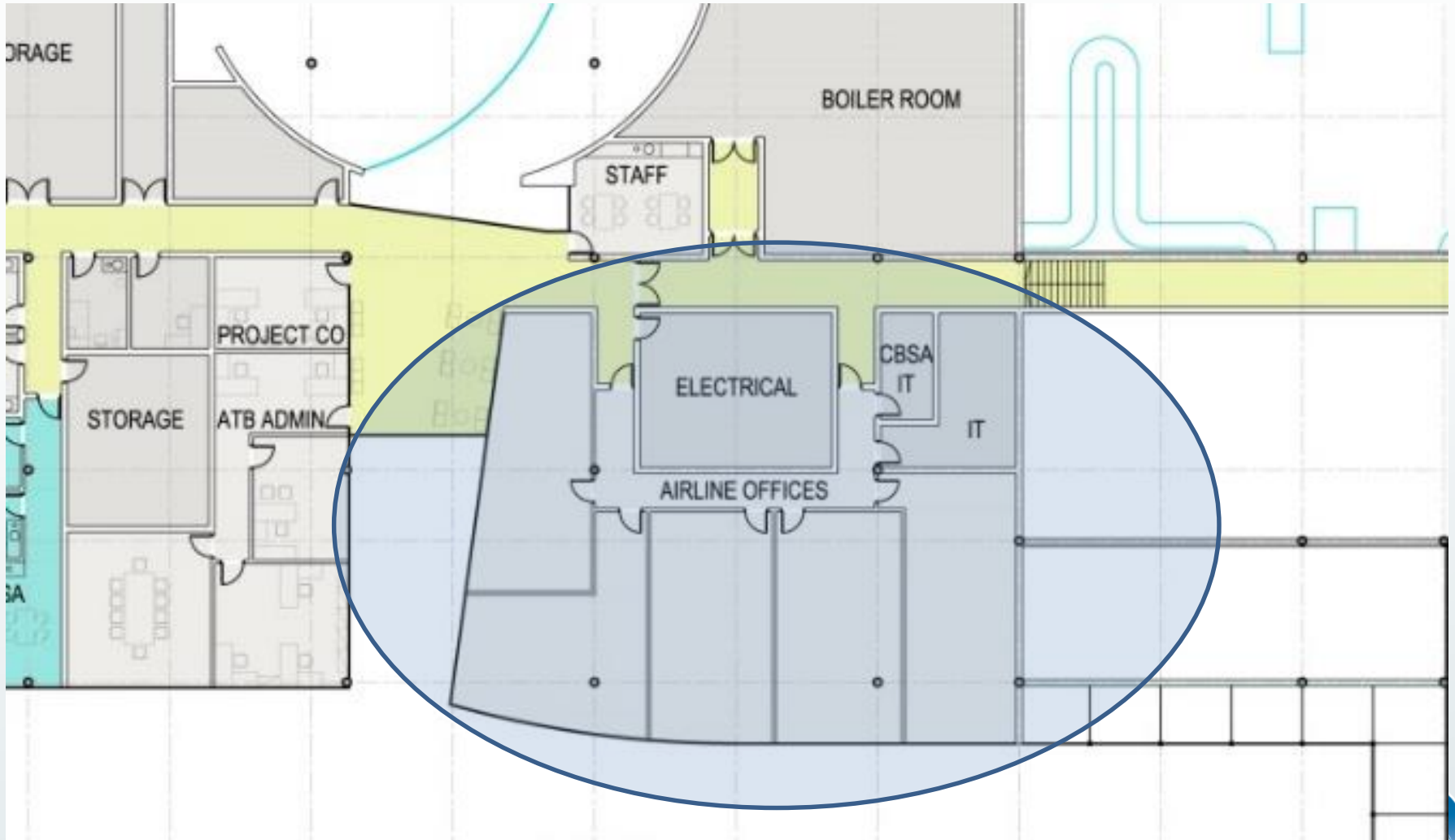
# ATB Floorplan (2<sup>nd</sup> Floor)



# ATB Floorplan (2<sup>nd</sup> Floor)



# ATB Floorplan (2<sup>nd</sup> Floor)





# SSALR

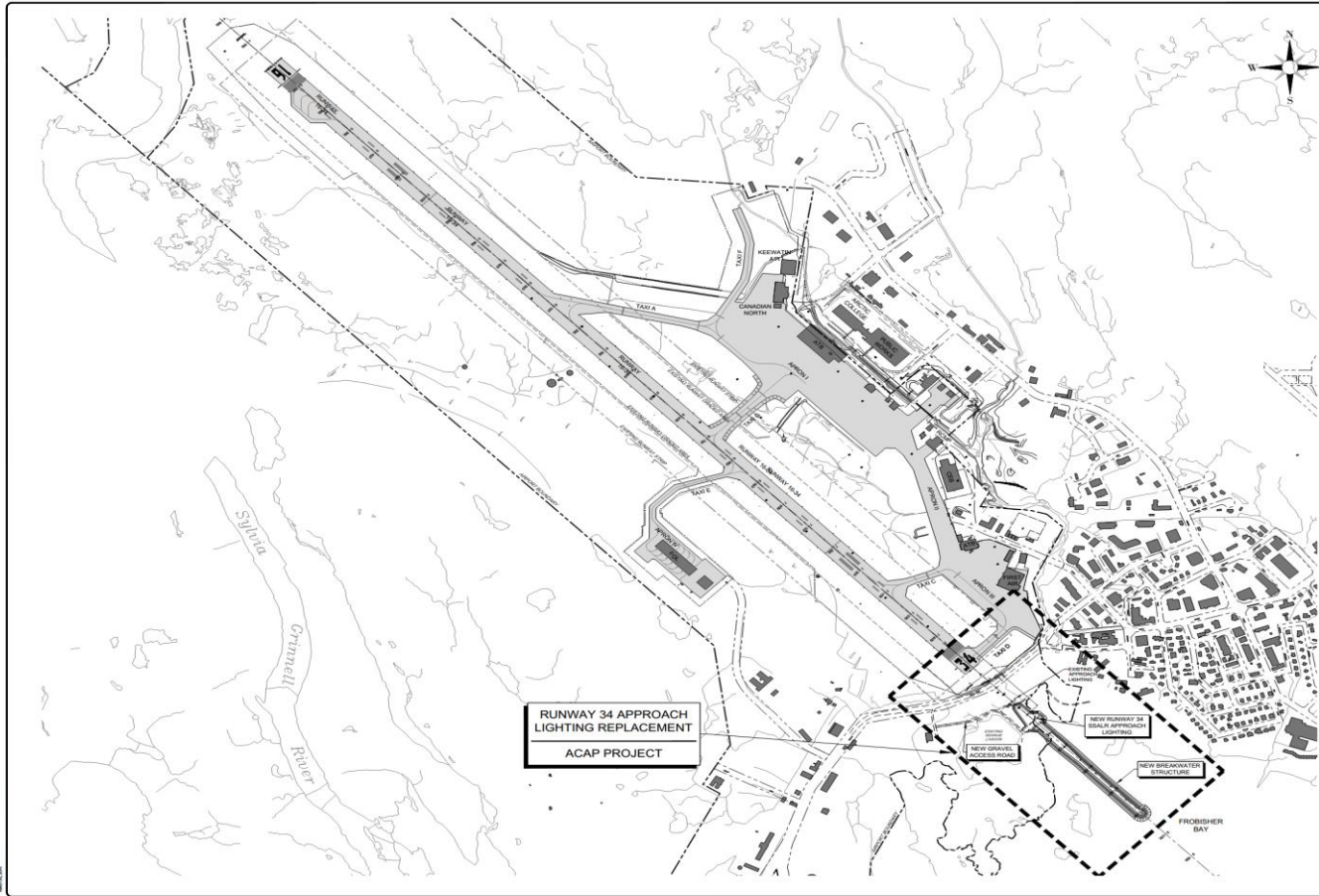


# SSALR

- Current Limits 200' x  $\frac{3}{4}$  mi.
- Improved Limits 200' x  $\frac{1}{2}$  mi.
- Limits with other options 250' x  $\frac{3}{4}$  mi.



# SSALR



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 2. ALL LAYOUTS IN METERS UNLESS OTHERWISE NOTED.

**Scale 1:5000**  
 0 50 100 150 200 250 300 METERS

**Site Plan**

**Benchmark Information**

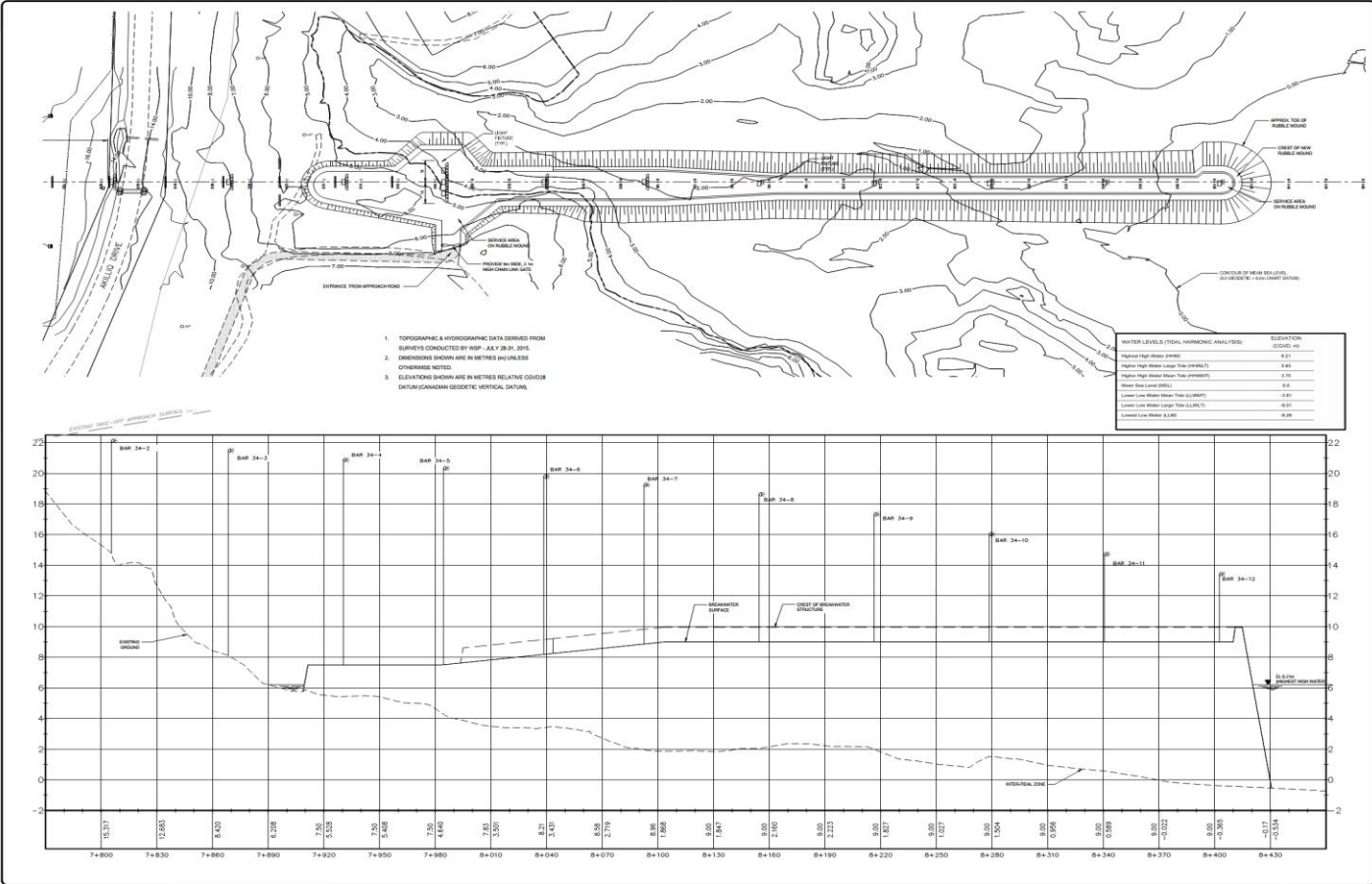
NO.	DATE	DESCRIPTION	BY	APP'D.
1	MAR 2018	ACAP SUBMITTALS	S.R.	BD
2				
3				
4				
5				
6				
7				
8				
9				
10				

**WSP**  
 GOVERNMENT OF NUNAVUT  
 IQUALUIT INTERNATIONAL AIRPORT  
 RUNWAY 34 APPROACH LIGHTING REPLACEMENT  
 SITE PLAN

WSP Project No. 151-07320-00	Contract No. TBD
Client: S.R.	Contractor: BD
Scale: N/A	Drawing No. SP1



# SSALR



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2. DIMENSIONS NOT TO BE USED FOR CONSTRUCTION UNLESS OTHERWISE NOTED.
3. ALL UNITS IN METRES UNLESS OTHERWISE NOTED.

Scale H: 1:1000 V: 1:100

0 5 10 15 20 METRES

0 5 10 15 20 METRES

**Water Level Table:**

WATER LEVELS (TOTAL HYDRAULIC ANALYSIS)		ELEVATION (CGVD m)
Highest High Water (HHW)		8.21
Highest High Water Large Tide (HHWLT)		8.48
Highest High Water Mean Tide (HHWMT)		8.75
Mean High Water (MHW)		9.0
Lowest Low Water (LLW)		-0.81
Lowest Low Water Mean Tide (LLWMT)		-0.54
Lowest Low Water Large Tide (LLWLT)		-0.27
Lowest Low Water (LLW)		-0.38

**Benchmark Information**

BM	MARK TYPE	ACAP SUBMISSION	BM NO.
	DATE	DESCRIPTION	BY
	REVISION / ISSUE		

**Scale**

**WSP**

GOVERNMENT OF NUNAVUT

Project: IQALUIT INTERNATIONAL AIRPORT RUNWAY 34 APPROACH LIGHTING REPLACEMENT

The PROPOSED BREAKWATER STRUCTURE PLAN AND PROFILE STA. 0+090 TO STA. 0+780

Sheet Number: 131-07-20-00	Drawn: TSD
Author: CG, NG	Checked: BD
Revised: CG	Drawn: CG





# SSALR

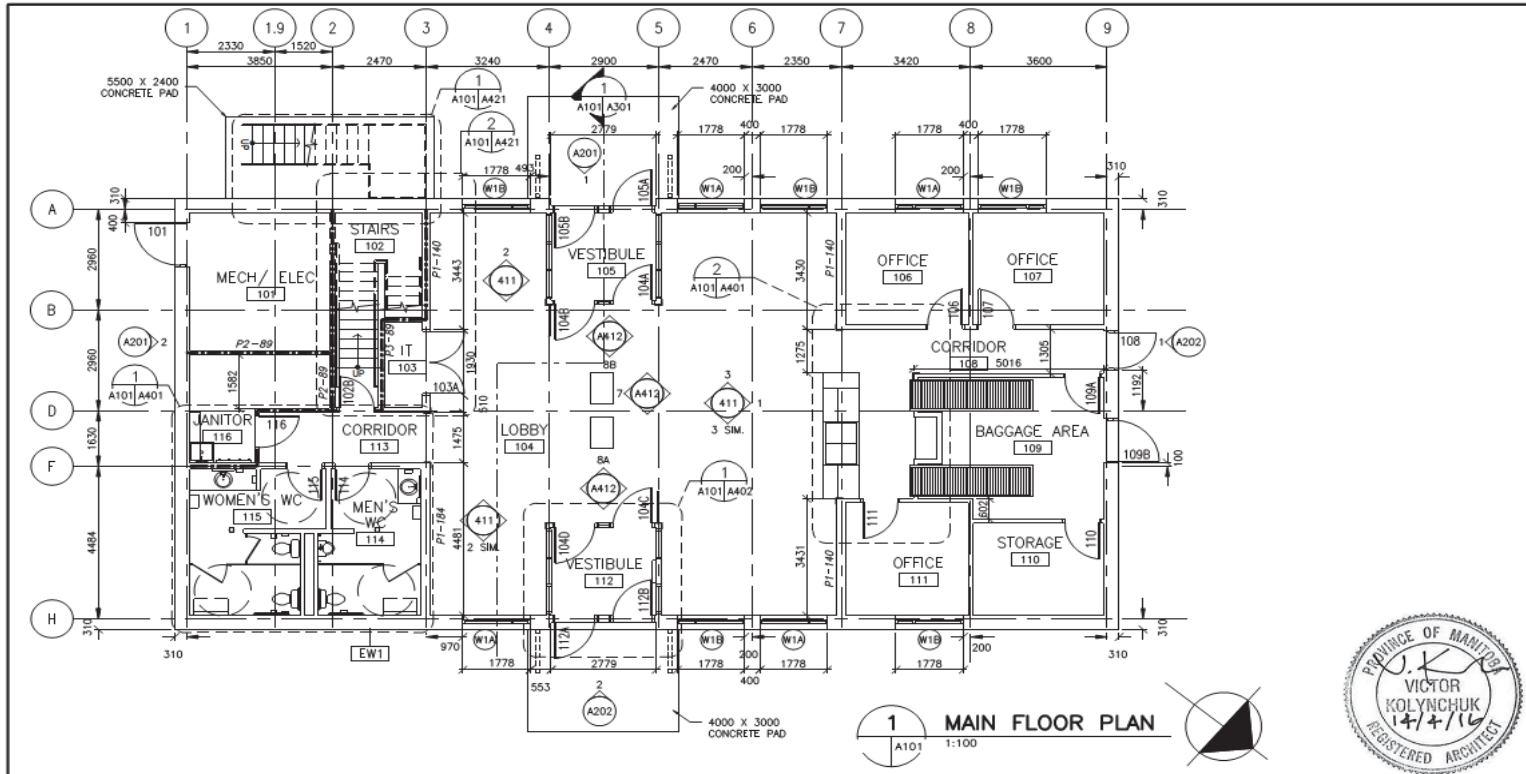
- Submitted ACAP in March 2016
- Seabed Geotechnical June 2016
- Consultations early fall 2016
  - Navigable Waters
  - Fisheries & Oceans
  - Hunters & Trappers Association
- Design Complete winter 2016
- Construction complete 2018 pending approvals



# Projects

- Taloyoak Air Terminal Building
- Cambridge Bay Improvements
  - TP312 Compliant Graded Areas
  - 60 m Threshold shift
  - New Airfield Lighting
  - ~Double Area of ATB Public Areas
  - New Baggage Handling System
- Baker Lake Airfield Lighting
  - LED Edge lighting, FEC, Standby generator
- Design underway Grise Fiord & Hall Beach

# Taloyoak ATB



NO	DATE	DESCRIPTION	BY
C	16-04-18	ISSUE FOR TENDER	WB
B	16-02-29	95% REVIEW	WB
A	16-01-29	FOR COMMENTS 50%	WB

**WSP ARCHITECTURE | 49**

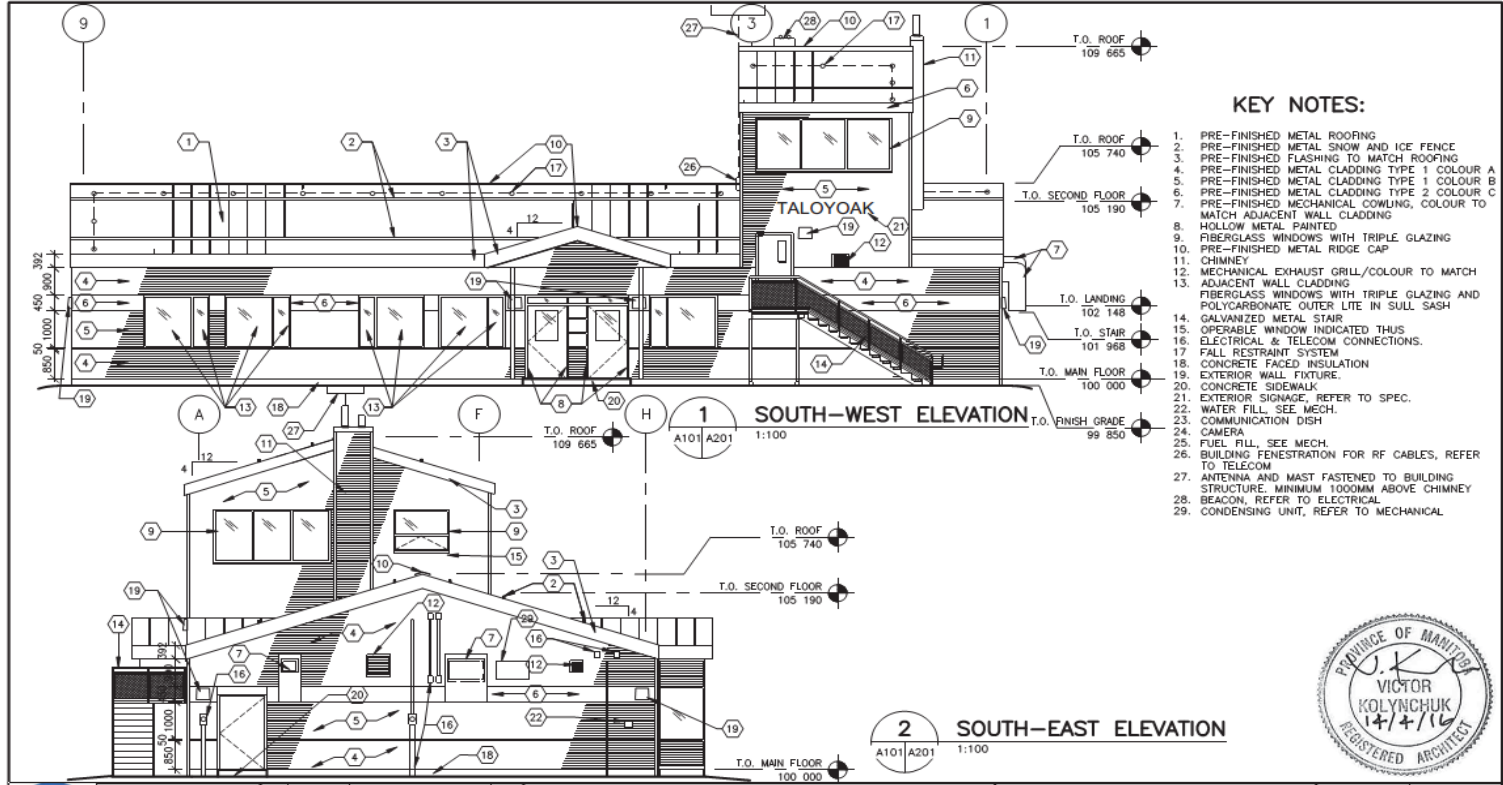
1800 900C LINDSAY  
WORLDWIDE  
COMMERCIAL  
1900 BUFFALO PLACE R3T 6B8  
WINNIPEG, MANITOBA, CANADA  
TEL: 1.204.477.1200 | FAX: 1.204.477.6246 | www.architecture49.com

Project Title TALOYOAK NEW AIR TERMINAL BUILDING  
TALOYOAK, NUNAVUT  
Drawing Title MAIN FLOOR PLAN

Drawn AB | Appr VL  
Date: 2016/01/19  
Scale 1:100 | Rev No. 0  
Sheet No. A101  
Project No. 151-12758-00



# Taloyoak ATB



ON PROJECT #12430-00062

NO	DATE	DESCRIPTION	BY
C	16-04-18	ISSUE FOR TENDER	WB
B	16-02-29	99% REVIEW	WB
A	16-01-29	FOR COMMENTS 50%	WB

**WSP ARCHITECTURE | 49**

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WINNIPEG, MANITOBA, CANADA  
TEL: 1.204.477.1380 | FAX: 1.204.477.8348 | www.architecture49.com

Project Title	TALOYOAK NEW AIR TERMINAL BUILDING	Drawn	AB	Appr	VK
	TALOYOAK, NUNAVUT	Date:	2016/01/22		
Drawing Title	BUILDING ELEVATIONS	Scale	1:100	Rev No.	0
		Sheet No.	A201		
		Project No.	151-12758-00		





# Cambridge Bay



# Questions?

