

KEY PLAN

APEGA
PERMIT TO
PRACTICE
P 3979

0	ISSUED FOR TENDER	2017.08.16

Revision/	Description/Description	Date/Date
Client/client		

PUBLIC WORKS &
GOVERNMENT SERVICES
CANADA

Project title/Titre du projet

EDMONTON MAXIMUM
SECURITY INSTITUTION

Approved by/Approuvé par
JM

Designed by/Concept par
JS/KD

Drawn by/Dessiné par
RJN

PWGSC Project Manager/Administrateur de Projets TPSGC
ANDREW GILLESE

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

Client/client
PUBLIC WORKS & GOVERNMENT SERVICES CANADA

Drawing title/Titre du dessin

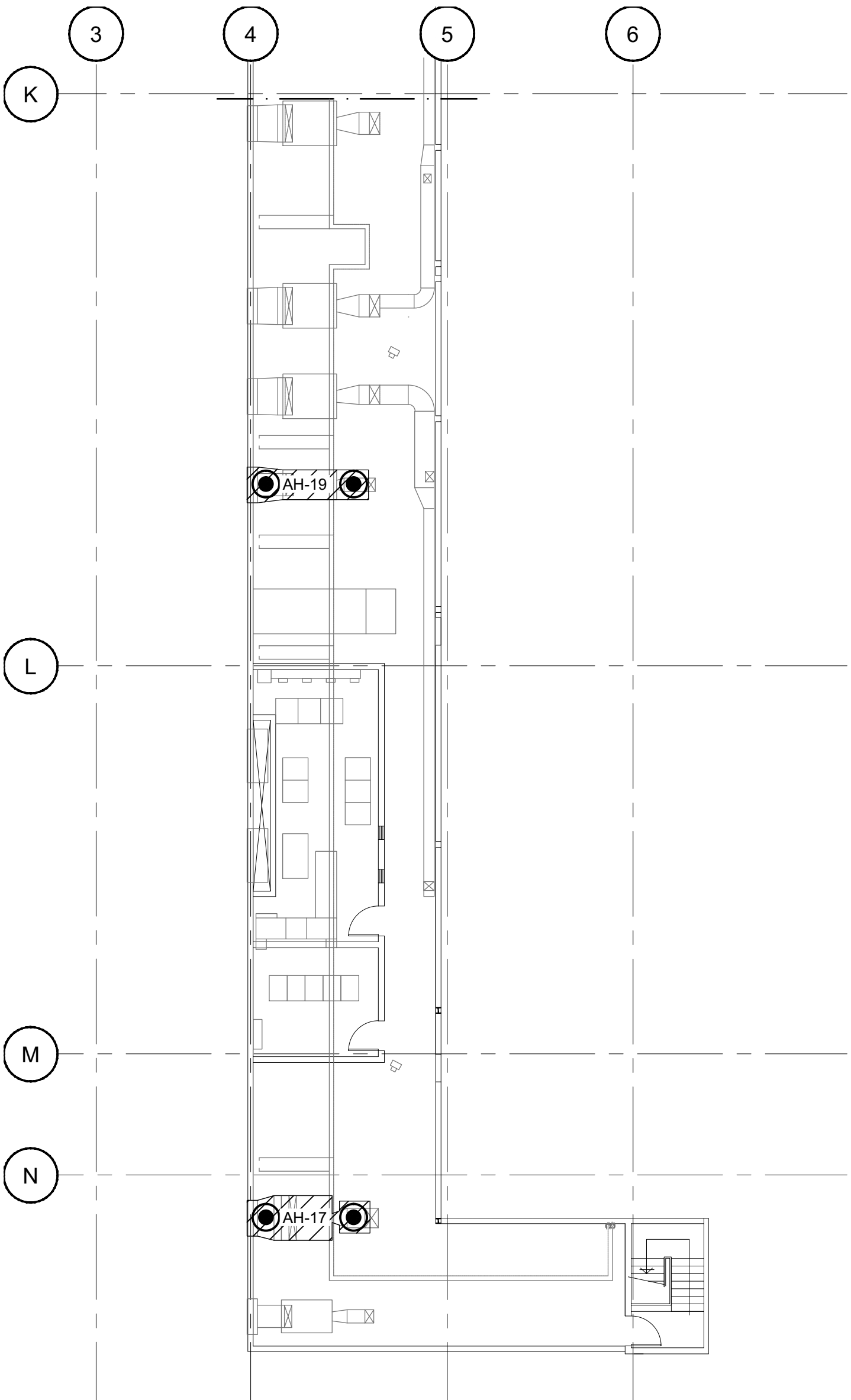
SEGREGATION AND
DISASSOCIATION BLOCK
FIRE ALARM LAYOUT

Project No./No. du
projet
R.078013.001

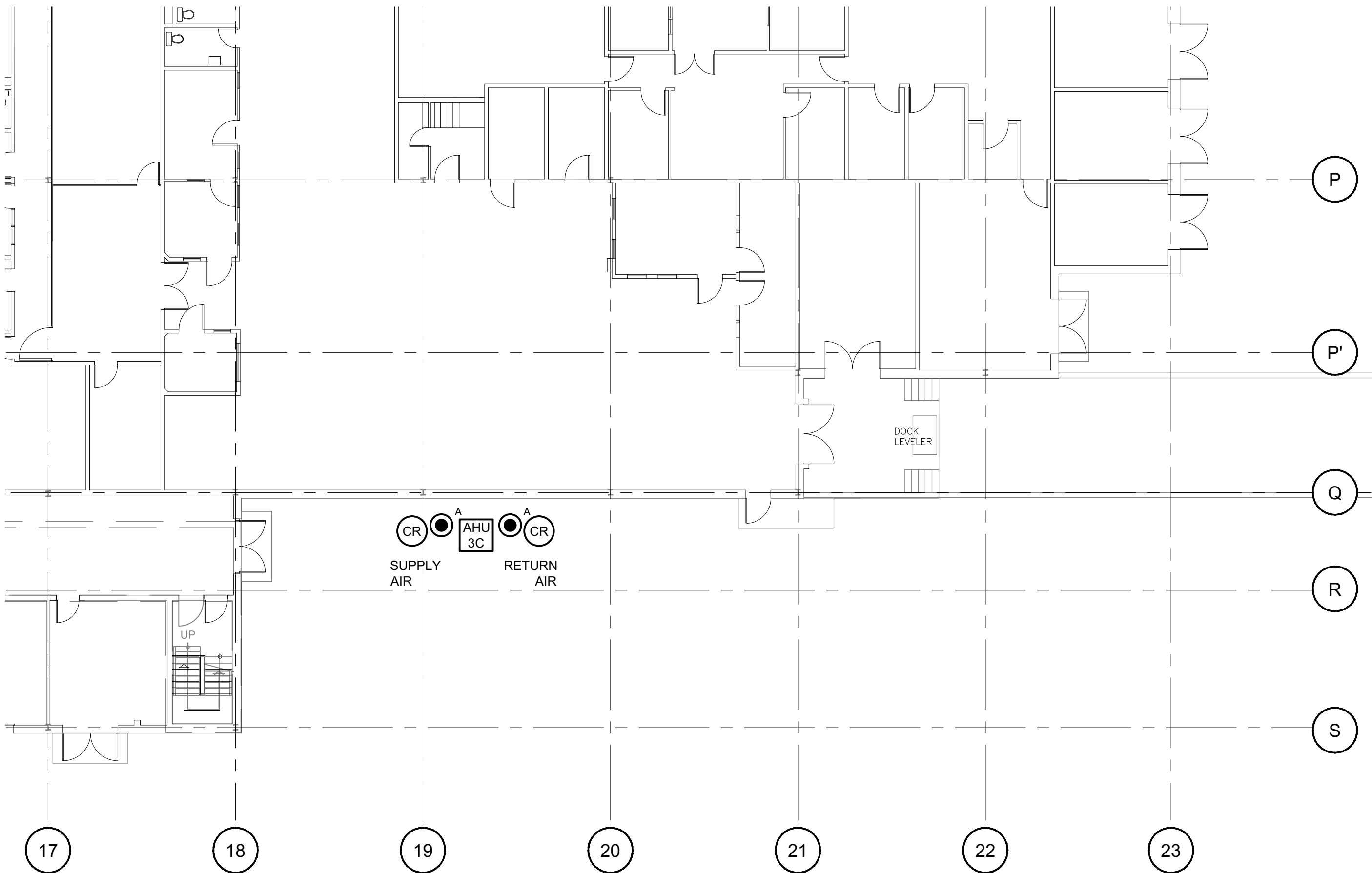
Sheet/Feuille
E20
OF 103

Revision no./
La Révision
no.
0

- NOTES:
- SEE DWG E23 FOR DUCT SMOKE DETECTOR SCOPE.



A PLAN
WEST MECHANICAL ROOM - FIRE ALARM LAYOUT
1:150



B PLAN
SOUTHEAST AREAS - FIRE ALARM LAYOUT
1:150

TYPE	DESCRIPTION	MANUFACTURER	PN	CURRENT	
				STBY (mA)	ALARM (mA)
DUCT	DUCT SMOKE DETECTOR (ADDRESSABLE)	HONEYWELL	FSP-851(A) W/ DNRA	0.3	6.5
ALARM TIME (HR) 1					
STANDBY TIME (HR) 24					

BATTERY CALCULATIONS FOR FIRE ALARM PANEL

NODE	AREA	NEW DUCT QUANTITY	REMOVED DUCT QUANTITY	EXISTING CURRENT (mA)		ADDED CURRENT (mA)		REQUIRED CAPACITY (A*HR)		EXISTING BATTERY CAPACITY (A*HR)
				STANDBY	ALARM	STANDBY	ALARM	EXSITING	NEW	
9	BLOCKS A & B	6		200	890	1.8	39	5.69	5.77	26
11	BLOCKS C & D	6		220	350	1.8	39	5.63	5.71	26
16	BLOCKS E & F	6		180	330	1.8	39	4.65	4.73	26
18	BLOCKS G & H	6		180	430	1.8	39	4.75	4.83	26
13	BOILER ROOM	2		220	960	0.6	13	6.24	6.27	26