

Correctional Service Canada - Mission Minimum Institution

Fire Alarm System Replacement

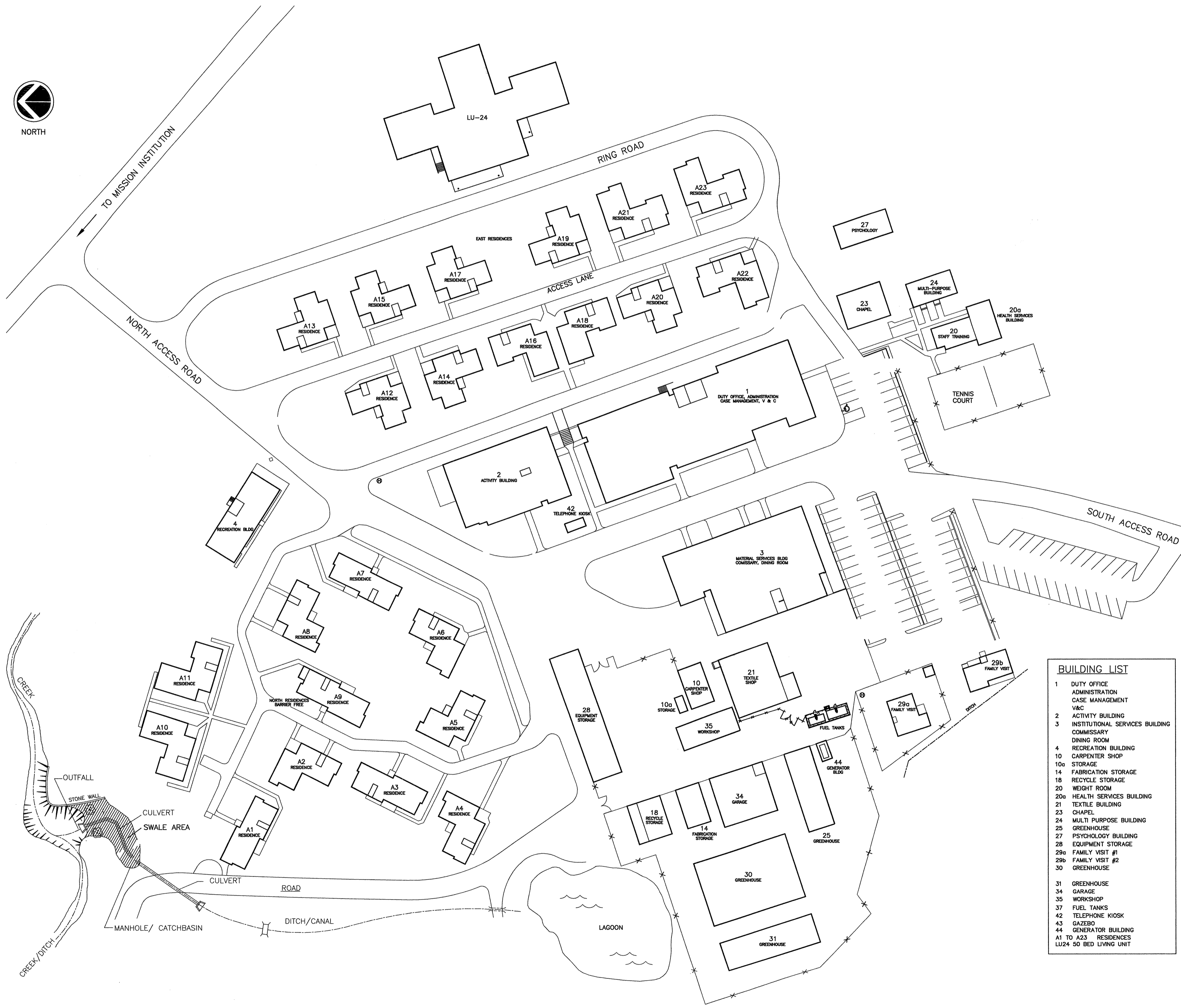
33737 Dewdney Trunk Road, Mission, B.C.



DRAWING LIST

Electrical:

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E-19	NEW SINGLE LINE DIAGRAM	
E-20	DETAILS	



Building No.	Building Name
1	DUTY OFFICE
2	ADMINISTRATION CASE MANAGEMENT VAC
3	ACTIVITY BUILDING
4	INSTITUTIONAL SERVICES BUILDING COMMISSARY DINING ROOM
10	RECREATION BUILDING CARPENTER SHOP
10a	STORAGE
14	FABRICATION STORAGE
18	RECYCLE STORAGE
20	WEIGHT ROOM
20a	HEALTH SERVICES BUILDING
21	TEXTILE BUILDING
23	CHAPEL
24	MULTI PURPOSE BUILDING
25	GREENHOUSE
27	PSYCHOLOGY BUILDING
28	EQUIPMENT STORAGE
29a	FAMILY VISIT #1
29b	FAMILY VISIT #2
30	GREENHOUSE
31	GREENHOUSE
34	GREENHOUSE
35	WORKSHOP
36	WORKSHOP
42	FUEL TANKS
44	TELEPHONE KIOSK
44	GAZEBO
44	GENERATOR BUILDING
A1 TO A23	RESIDENCES
LU24	50 BED LIVING UNIT

GENERAL NOTES

- ALL FIRE ALARM EQUIPMENT AND DEVICES SHOWN ON THE FLOOR PLANS ARE EXISTING UNLESS INDICATED AS NEW.
- WHERE INDICATED AS "NEW", PROVIDE CONDUIT, CABLES, DEVICES AND ALL OTHER ITEMS REQUIRED TO CONNECT TO AND FUNCTION AS PART OF THE FIRE ALARM SYSTEM.
- DRAWING SYMBOLS TYPICALLY SHOW THE EXISTING TYPE OF DEVICE. IN SOME CASES A DIFFERENT TYPE OF NEW DEVICE IS REQUIRED. FOR EXAMPLE IN BUILDING A1, ROOM 11 ON DRAWING E-02 AN EXISTING BELL IS INDICATED, BUT A NEW AUDIBLE/VISUAL NOTIFICATION APPLIANCE IS REQUIRED.
- ONE EXCEPTION TO THE RULE OF THE DRAWINGS SHOWING EXISTING TYPES OF DEVICES AS NOTED IN NOTE 3 ABOVE IS IN LIVING UNITS A1 TO A23 AND FAMILY UNITS 29a & 29b. THERE ARE NO EXISTING CARBON MONOXIDE DETECTORS IN THESE BUILDINGS. WHERE CARBON MONOXIDE DETECTORS ARE SHOWN AS "EXISTING", THERE IS TYPICALLY AN EXISTING SMOKE ALARM OR SMOKE DETECTOR AND THE NEW DEVICE SHALL INCLUDE SMOKE AND CARBON MONOXIDE DETECTION.
- REPLACE ALL EXISTING FIRE ALARM EQUIPMENT AND DEVICES WITH NEW, EXCEPT WHERE INDICATED OTHERWISE. PROVIDE ALL ITEMS REQUIRED TO CONNECT TO AND FUNCTION AS PART OF THE FIRE ALARM SYSTEM.
- PROVIDE NEW FIRE ALARM FIBRE-OPTIC NETWORK LINKING ALL BUILDINGS, EXCEPT WHERE INDICATED OTHERWISE.
- EXISTING SPRINKLER TAMPER AND FLOW SWITCHES MAY BE RE-USED, UNLESS INDICATED OTHERWISE.
- GENERALLY, THE EXISTING DEVICE AND BELL WIRING WITHIN BUILDINGS MAY BE RE-USED, UNLESS INDICATED OTHERWISE.
- REPLACE ALL EXISTING BELLS, CHIMES AND VISUAL APPLIANCES WITH NEW AUDIBLE/VISUAL NOTIFICATION APPLIANCES, EXCEPT WHERE INDICATED OTHERWISE.
- FOR EACH FIRE ALARM PANEL, PAINT THE ASSOCIATED CIRCUIT BREAKER RED AND PROVIDE A BREAKER LOCK-ON DEVICE. ENSURE THE PANELBOARD DIRECTORY STATES "FIRE ALARM" FOR THE FIRE ALARM BREAKER.
- REMOVE END OF LINE DEVICES WHERE NO LONGER REQUIRED, PROVIDE BLANK COVERPLATES.
- REMOVE ALL REDUNDANT WIRING, CONDUIT, BATTERIES, CABINETS, EQUIPMENT, DEVICES, ETC.
- REMOVE ALL REDUNDANT CABLING BETWEEN BUILDINGS.
- PROVIDE A FIBRE OPTIC TERMINATION ENCLOSURE FOR EACH FIRE ALARM PANEL, SIZED TO ACCOMMODATE ALL OF THE FIBRE OPTIC STRANDS. PROVIDE A LAMICOID LABEL ON THE ENCLOSURE "FIBRE OPTIC CABLE TERMINATION FOR FIRE ALARM SYSTEM".
- TO COMPLY WITH THE NBCC AND CAN/ULC S524, MANUAL PULL STATIONS SHOULD BE A SPECIFIC DISTANCE ABOVE THE FINISHED FLOOR, MEASURED TO THE CENTRE OF THE PULL STATION. THE REQUIREMENTS IN THE NBCC AND CAN/ULC S524 INTERSECT AT A HEIGHT OF 1200mm. FOR THE FOLLOWING BUILDINGS, ADJUST THE HEIGHT FROM APPROXIMATELY 1500mm TO 1200mm: 1, 2, 4, 10, 14, 18, 23, 24, 27, 34, 35, A1, A2, A3, A4, A5, A7, A8, A9. ALL ADJUSTED PULL STATIONS SHALL BE RECESSED-MOUNTED IN DRYWALL. ALLOW FOR 25% OF THE ADJUSTED PULL STATIONS TO BE MOVED APPROXIMATELY 1 METRE HORIZONTALLY TO AVOID CONFLICTS WITH EXISTING DEVICES SUCH AS LIGHT SWITCHES. DISCUSS EVERY PULL STATION TO BE ADJUSTED WITH THE DEPARTMENTAL REPRESENTATIVE.
- ALL THE EXISTING FIRE ALARM SYSTEMS ARE SINGLE-STAGE.
- PATCH, PAINT AND MAKE GOOD SURFACES CUT, DAMAGED OR DISTURBED TO DEPARTMENTAL REPRESENTATIVE'S APPROVAL MATCH EXISTING MATERIAL, COLOUR, FINISH AND TEXTURE.
- GENERALLY, ALL FIRE ALARM CABLING WITHIN BUILDINGS WILL BE CLASS B, UNLESS INDICATED OTHERWISE.
- FIRE ALARM CABLING WITHIN BUILDINGS:
 - INSTALL ALL FIRE ALARM CABLING WITHIN EMT OR RIGID STEEL CONDUIT, UNLESS INDICATED OTHERWISE.
 - ALL FIRE ALARM CABLING WITHIN NON-COMBUSTIBLE BUILDINGS SHALL BE IN EMT OR RIGID STEEL CONDUIT. FIRE ALARM CABLING WITHIN COMBUSTIBLE BUILDINGS SHALL BE IN EMT OR RIGID STEEL CONDUIT, OR MAY BE ARMoured FIRE ALARM CABLE. CONCEAL ALL ARMoured FIRE ALARM CABLE EXCEPT IN SERVICE ROOMS.
 - PROVIDE FLEXIBLE LIQUIDTIGHT STEEL CONDUIT AT ALL NEW SPRINKLER DEVICES.
 - MARK ALL NEW FIRE ALARM DEVICES ON THE AS-BUILT DRAWINGS.
- UNLESS INDICATED OTHERWISE, INSTALL FIBRE OPTIC TERMINATION ENCLOSURE ADJACENT TO THE FIRE ALARM PANEL. PROVIDE EMT CONDUIT FOR THE FIBRE OPTIC CABLE FROM WHERE THE FIBRE OPTIC CABLE ENTERS THE BUILDING TO THE FIRE ALARM PANEL LOCATION.
- GENERALLY UNLESS INDICATED OTHERWISE, WHERE THERE ARE EXISTING FLUSH-MOUNTED FIRE ALARM PANELS TO BE REPLACED, REMOVE THE DOOR AND PROVIDE A CUSTOM BLANK ALUMINUM COVER PLATE. THE OLD PANEL MAY BE USED AS A JUNCTION BOX - PROVIDE A LAMICOID LABEL "FIRE ALARM JUNCTION BOX".
- THERE ARE A NUMBER OF CONFINED SPACES THROUGHOUT THE INSTITUTION. CONFORM TO ALL APPLICABLE REGULATIONS REGARDING CONFINED SPACES. COMPLY WITH THE INSTITUTIONAL CONFINED SPACE PROTOCOL INCLUDING THE REQUIREMENT FOR ATMOSPHERIC TESTING, PERSONAL PROTECTIVE EQUIPMENT, COMMUNICATION BY RADIO, ELECTRICAL LOCK-OUT WHERE APPLICABLE AND CERTIFICATION FOR CONFINED SPACE ENTRY.
- CONFINED SPACES INCLUDE MANHOLES (ALSO KNOWN AS PULL PITS) AND THE CRAWLSPACE OF BLDG 23.
- PROVIDE FIXED TEMPERATURE HEAT DETECTORS IN SPECIFIC HIGH-TEMPERATURE-FLUCTUATION AREAS SUCH AS THE GENERATOR BUILDING, BOILER ROOMS AND SPECIFIC AREAS OF THE KITCHEN.
- PROVIDE CEILING ACCESS HATCHES, STEEL, CAM LOCK, HINGED, PAINTED, IN DRYWALL CEILINGS WHERE ACCESS IS REQUIRED.
- PROVIDE A CUSTOM ULC-APPROVED OUTDOOR WEATHERPROOF ENCLOSURE FOR ALL ANNUNCIATORS LOCATED OUTSIDE A BUILDING. REFER TO DIVISION 28 SPECIFICATION.
- TEST AUDIBLE LEVEL OF ALL NOTIFICATION APPLIANCES AND ADJUST SOUND OUTPUT LEVELS AS REQUIRED. USE LOWER SETTINGS IN CONTROL POSTS; FOR EQUIPMENT ROOM 51 IN BLDG 1.
- PROVIDE A RED LAMICOID LABEL ON ALL FIRE ALARM BOXES, ISOLATORS, RELAYS, END OF LINE RESISTORS, TERMINAL BLOCKS, ETC. TEXT SHALL BE WHITE. MINIMUM SIZE SHALL BE 25mm X 50mm. INDICATE FUNCTION, CIRCUIT ADDRESS, ETC.
- WHERE "REL" (RELOCATE) IS INDICATED ON THE DRAWINGS, RELOCATE THE POSITION OF THE DEVICE/EQUIPMENT, PROVIDE A NEW DEVICE/EQUIPMENT, AND EXTEND THE WIRING.
- IN BUILDINGS WITHOUT AN EXISTING FIRE ALARM PANEL, EXCEPT FOR BUILDING 44, PROVIDE NEW CABLING FROM THE NEW FIRE ALARM PANEL TO THE AUDIBLE/VISUAL (BELL) LOCATIONS.
- IN BUILDINGS A1 TO A23, THERE IS A 53mm DEDICATED FIRE-ALARM SERVICE CONDUIT ROUTED INTO A FIRE ALARM PULLBOX ADJACENT TO THE FIRE ALARM PANEL.
- REMOVE ALL EXISTING FIRE ALARM PANELS - DO NOT USE AS PULLBOXES OR CABINETS.
- CONNECT GENERATOR ALARM/MONITORING CONDUCTORS TO FIRE ALARM PANEL.
- TEST SPRINKLER DEVICES WITH WATER FLOW.

LEGEND OF SYMBOLS

[Symbol]	FIRE ALARM BELL
[Symbol]	FIRE ALARM CHIME
[Symbol]	VISUAL STROBE
[Symbol]	AUDIBLE AND VISUAL STROBE
[Symbol]	HEAT DETECTOR
[Symbol]	F = DEVICE SUITABLE FOR FREEZER
[Symbol]	A = DEVICE IN ATTIC SPACE ABOVE
[Symbol]	N = NEW DEVICE, NO EXISTING DEVICE
[Symbol]	EXP = EXPLOSION PROOF DEVICE
[Symbol]	SMOKE DETECTOR
[Symbol]	DUCT SMOKE DETECTOR
[Symbol]	UNDER FLOOR SMOKE DETECTOR
[Symbol]	COMBINED SMOKE & CO DETECTOR
[Symbol]	SB = SOUNDER BASE
[Symbol]	DASHED LINE INDICATES RELOCATED
[Symbol]	ELECTROMAGNETIC DOOR HOLD-OPEN DEVICE
[Symbol]	CENTRAL VACUUM SHUT-DOWN CONTACTOR
[Symbol]	PULL STATION
[Symbol]	SPRINKLER FLOW SWITCH
[Symbol]	SPRINKLER TAMPER SWITCH
[Symbol]	SPRINKLER PRESSURE SWITCH
[Symbol]	END OF LINE DEVICE
[Symbol]	FIRE ALARM ANNUNCIATOR
[Symbol]	FIRE ALARM CONTROL PANEL
[Symbol]	FIRE ALARM CONTROL RELAY MODULE
[Symbol]	JUNCTION/PULL BOX
[Symbol]	RELOCATE TO NEW LOCATION
[Symbol]	DRAWING NOTE
[Symbol]	TELECOM SERVICE ENTRY

Revision/Revisión	Description/Descripción	Date/Date
5		
4		
3		
2		
1	ISSUED FOR TENDER	20/NOV/2017
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Client/client
CORRECTIONAL SERVICE CANADA

Project title/Titre du projet
**MISSION MINIMUM INSTITUTION
FIRE ALARM
SYSTEM REPLACEMENT**

Consultant Signature Box Only
Designed by/Concept par
Greg Robertshaw
Drawn by/Dessiné par
Steve Banfield
PWGSC Project Manager/Administrateur de Projets TPGSC
C. Lu
PWGSC, Regional Manager, Architectural and Engineering Services/
Gestionnaire régionale, Services d'architecture et de génie, TPGSC
P. Paul

Drawing title/Titre du dessin
COVER SHEET

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
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21/NOV/2017 (11:30am)

PWGSC - A1 - 841x594

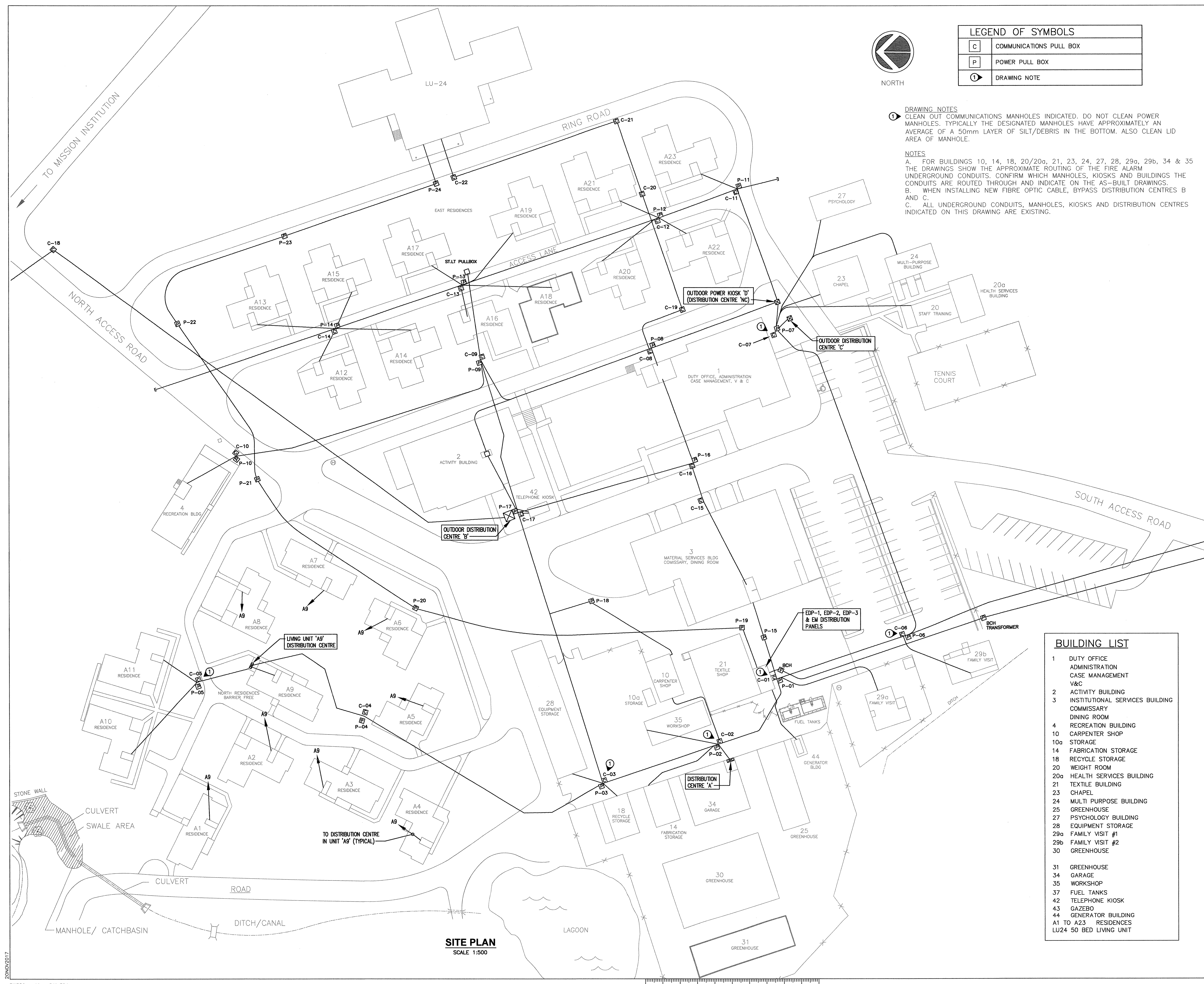


LEGEND OF SYMBOLS	
C	COMMUNICATIONS PULL BOX
P	POWER PULL BOX
I	DRAWING NOTE



DRAWING NOTES
 1. CLEAN OUT COMMUNICATIONS MANHOLES INDICATED. DO NOT CLEAN POWER MANHOLES. TYPICALLY THE DESIGNATED MANHOLES HAVE APPROXIMATELY AN AVERAGE OF A 50mm LAYER OF SILT/DEBRIS IN THE BOTTOM. ALSO CLEAN LID AREA OF MANHOLE.

NOTES
 A. FOR BUILDINGS 10, 14, 18, 20/20a, 21, 23, 24, 27, 28, 29a, 29b, 34 & 35 THE DRAWINGS SHOW THE APPROXIMATE ROUTING OF THE FIRE ALARM UNDERGROUND CONDUITS. CONFIRM WHICH MANHOLES, KIOSKS AND BUILDINGS THE CONDUITS ARE ROUTED THROUGH AND INDICATE ON THE AS-BUILT DRAWINGS.
 B. WHEN INSTALLING NEW FIBRE OPTIC CABLE, BYPASS DISTRIBUTION CENTRES B AND C.
 C. ALL UNDERGROUND CONDUITS, MANHOLES, KIOSKS AND DISTRIBUTION CENTRES INDICATED ON THIS DRAWING ARE EXISTING.



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5		
4		
3		
2		
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MISSION MINIMUM INSTITUTION FIRE ALARM SYSTEM REPLACEMENT

Consultant Signature Box Only
 Designed by/Concept par
Greg Robertshaw
 Drawn by/Dessiné par
Steve Barfield
 PWGSC Project Manager/Administrateur de Projets TPSGC
 C. Lu
 PWGSC Regional Manager, Architectural and Engineering Services/
 Gestionnaire régionale, Services d'architecture et de génie, TPSGC
 P. Paul

Drawing title/Titre du dessin
SITE PLAN

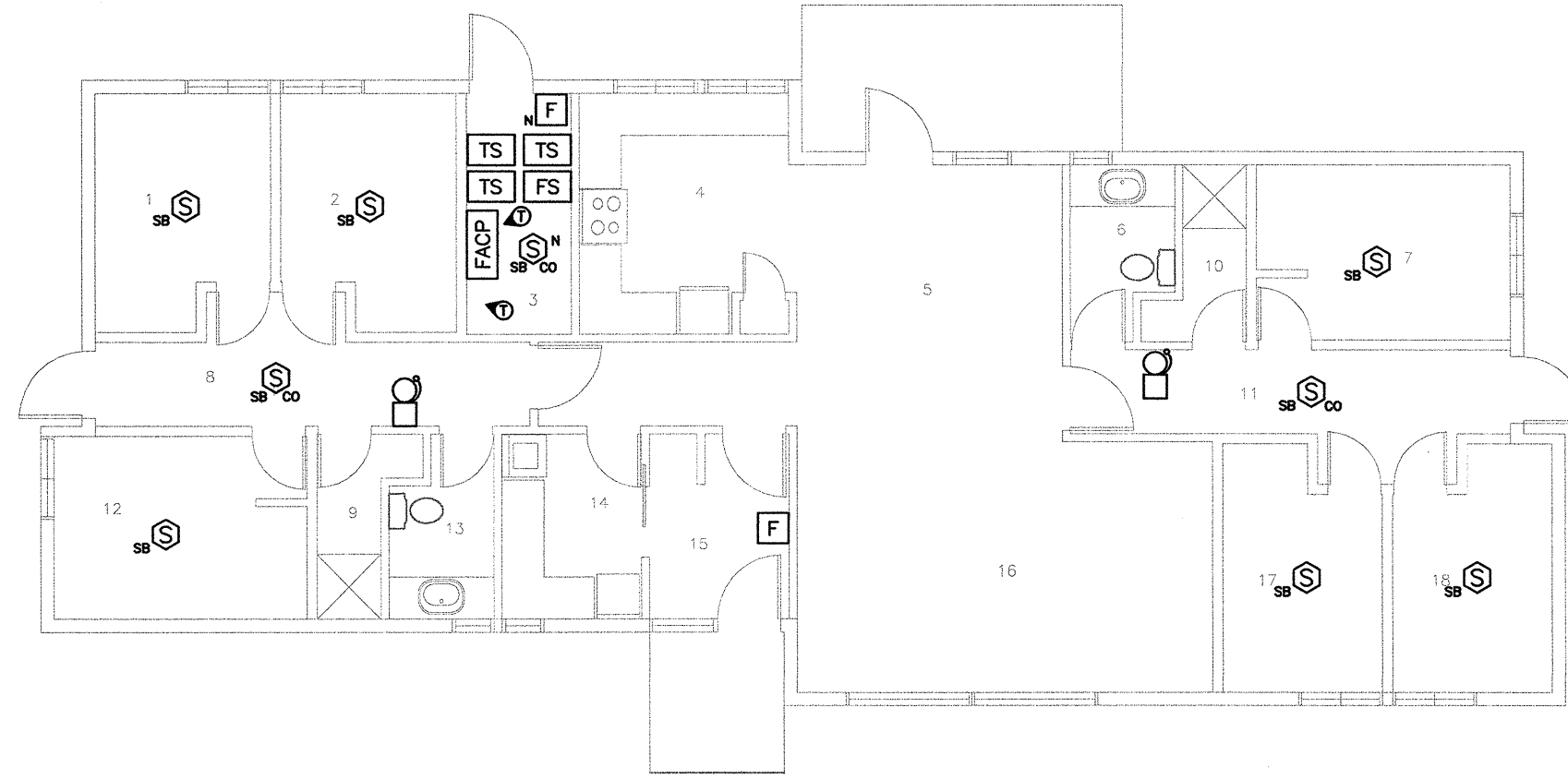
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R.082592.001	E-01 OF -	0

BUILDING LIST	
1	DUTY OFFICE
	ADMINISTRATION
	CASE MANAGEMENT
	V&C
2	ACTIVITY BUILDING
3	INSTITUTIONAL SERVICES BUILDING
	COMMISSARY
	DINING ROOM
4	RECREATION BUILDING
10	CARPENTER SHOP
10a	STORAGE
14	FABRICATION STORAGE
18	RECYCLE STORAGE
20	WEIGHT ROOM
20a	HEALTH SERVICES BUILDING
21	TEXTILE BUILDING
23	CHAPEL
24	MULTI PURPOSE BUILDING
25	GREENHOUSE
27	PSYCHOLOGY BUILDING
28	EQUIPMENT STORAGE
29a	FAMILY VISIT #1
29b	FAMILY VISIT #2
30	GREENHOUSE
31	GREENHOUSE
34	GARAGE
35	WORKSHOP
37	FUEL TANKS
42	TELEPHONE KIOSK
43	GAZEBO
44	GENERATOR BUILDING
A1 TO A23	RESIDENCES
LU24	50 BED LIVING UNIT

SITE PLAN
 SCALE 1:500

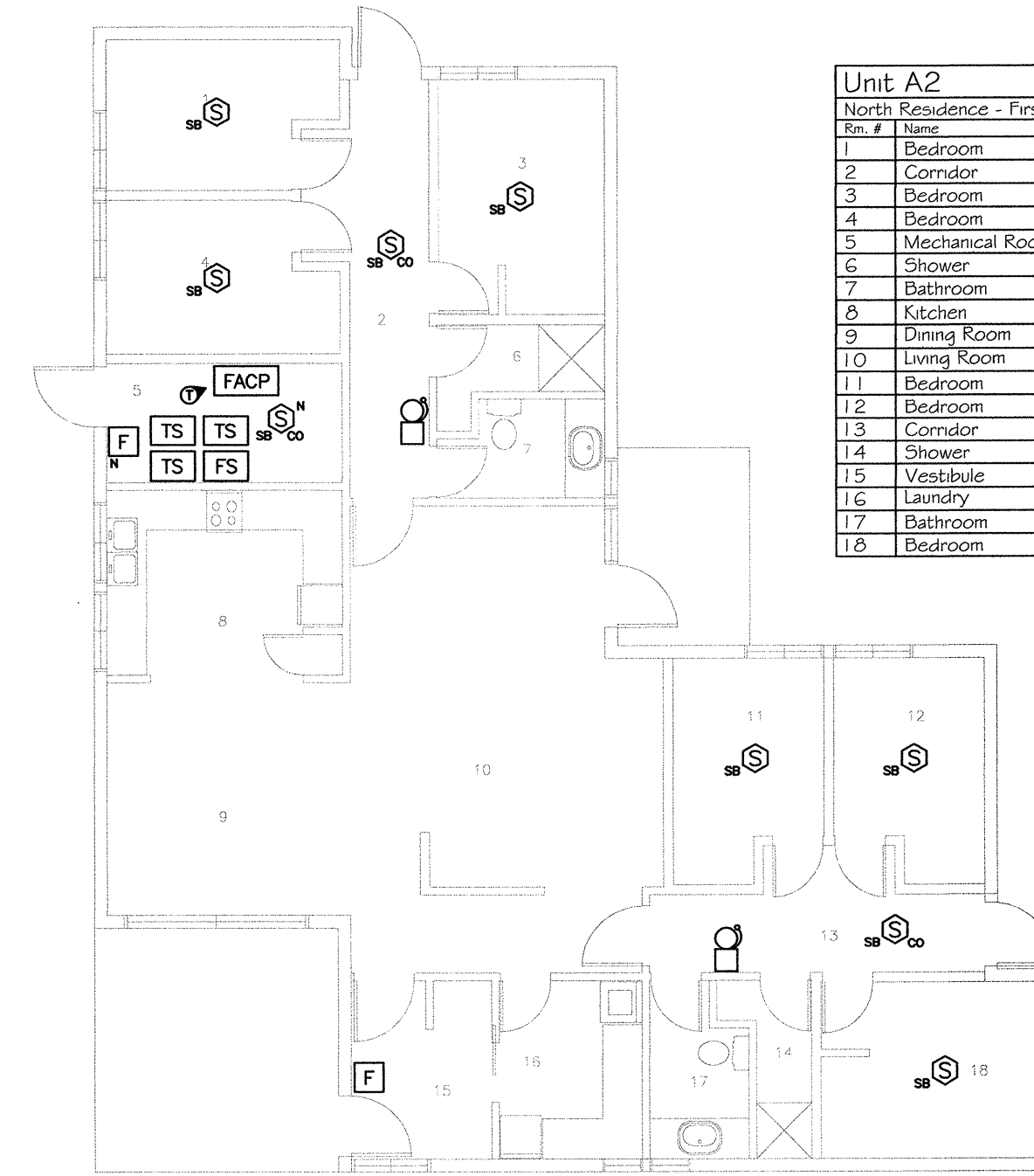
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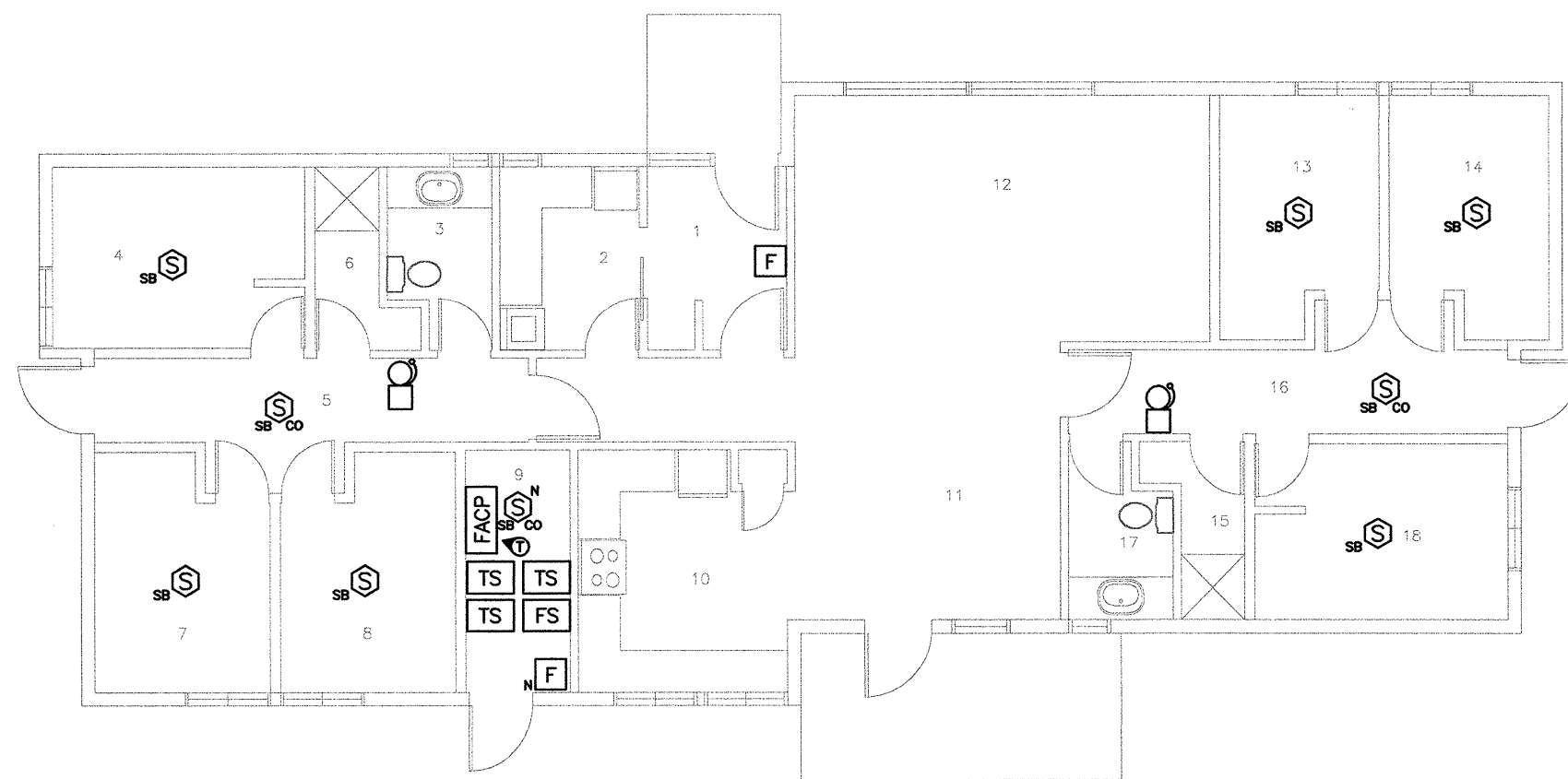
Unit A1	
North Residence - First Floor	
Rm. #	Name
1	Bedroom
2	Bedroom
3	Furnace Room
4	Kitchen
5	Dining Room
6	Bathroom
7	Bedroom
8	Corridor
9	Shower
10	Shower
11	Corridor
12	Bedroom
13	Bathroom
14	Laundry Room
15	Vestibule
16	Living Room
17	Bedroom
18	Bedroom

BLDG A1 - RESIDENCE FLOOR PLAN
SCALE 1:100



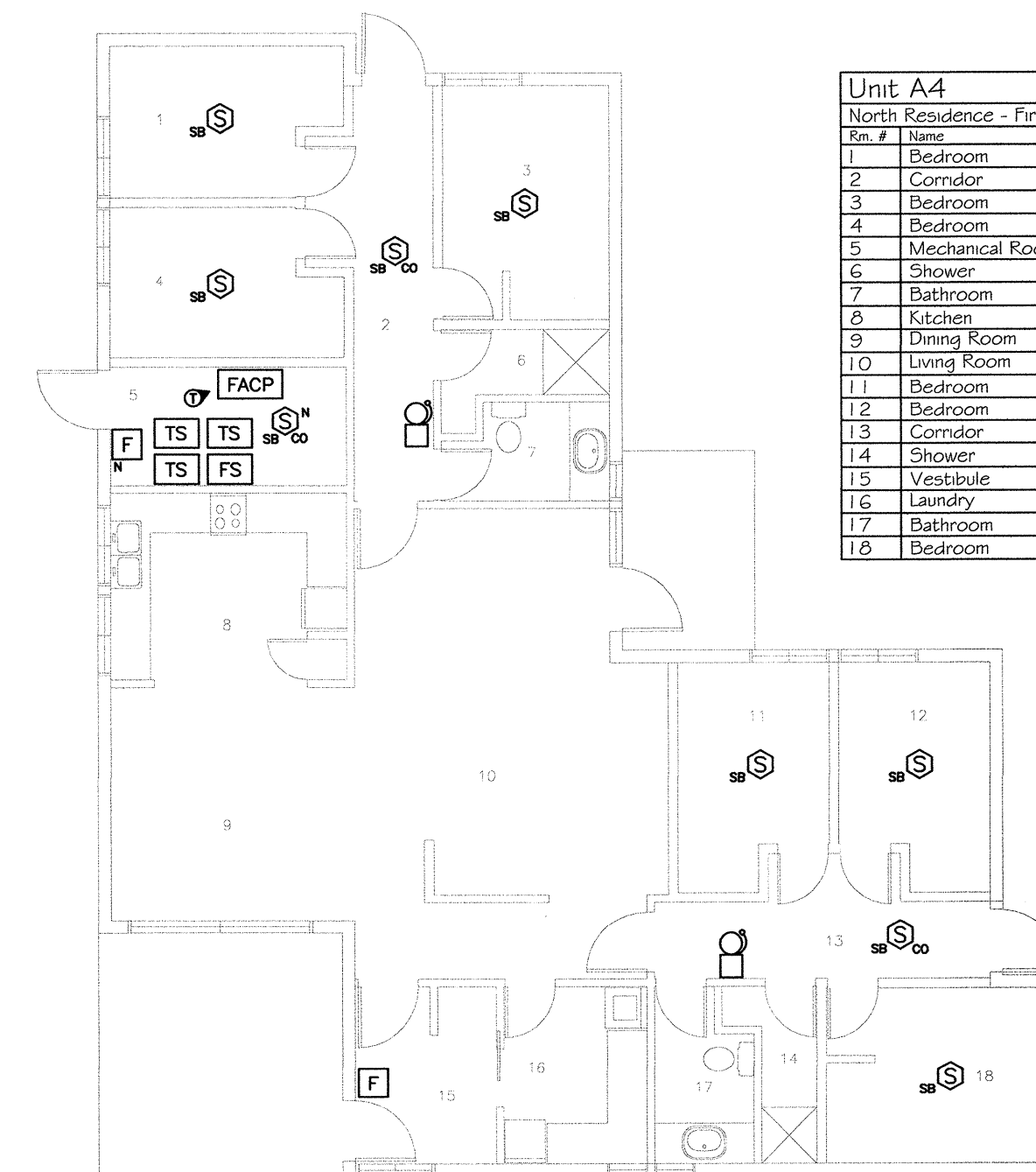
Unit A2	
North Residence - First Floor	
Rm. #	Name
1	Bedroom
2	Corridor
3	Bedroom
4	Bedroom
5	Mechanical Room
6	Shower
7	Bathroom
8	Kitchen
9	Dining Room
10	Living Room
11	Bedroom
12	Bedroom
13	Corridor
14	Shower
15	Vestibule
16	Laundry
17	Bathroom
18	Bedroom

BLDG A2 - RESIDENCE FLOOR PLAN
SCALE 1:100



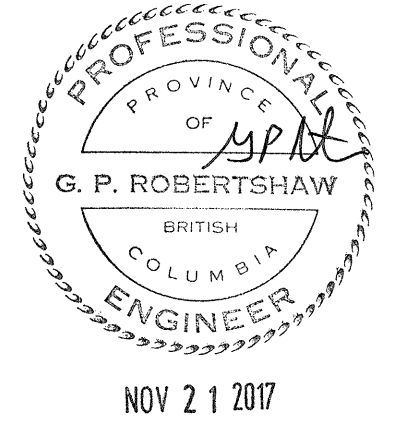
Unit A3	
North Residence - First Floor	
Rm. #	Name
1	Vestibule
2	Laundry Room
3	Bathroom
4	Bedroom
5	Corridor
6	Shower
7	Bedroom
8	Bedroom
9	Furnace Room
10	Kitchen
11	Dining Room
12	Living Room
13	Bedroom
14	Bedroom
15	Shower
16	Corridor
17	Bathroom
18	Bedroom

BLDG A3 - RESIDENCE FLOOR PLAN
SCALE 1:100



Unit A4	
North Residence - First Floor	
Rm. #	Name
1	Bedroom
2	Corridor
3	Bedroom
4	Bedroom
5	Mechanical Room
6	Shower
7	Bathroom
8	Kitchen
9	Dining Room
10	Living Room
11	Bedroom
12	Bedroom
13	Corridor
14	Shower
15	Vestibule
16	Laundry
17	Bathroom
18	Bedroom

BLDG A4 - RESIDENCE FLOOR PLAN
SCALE 1:100



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1	ISSUED FOR TENDER	20/NOV/2017
0	ISSUED FOR 100% REVIEW	09/OCT/2017
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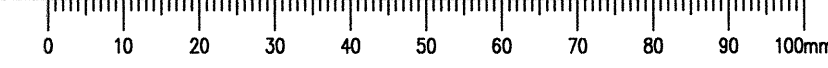
Client/client
CORRECTIONAL SERVICE CANADA

Project title/Titre du projet
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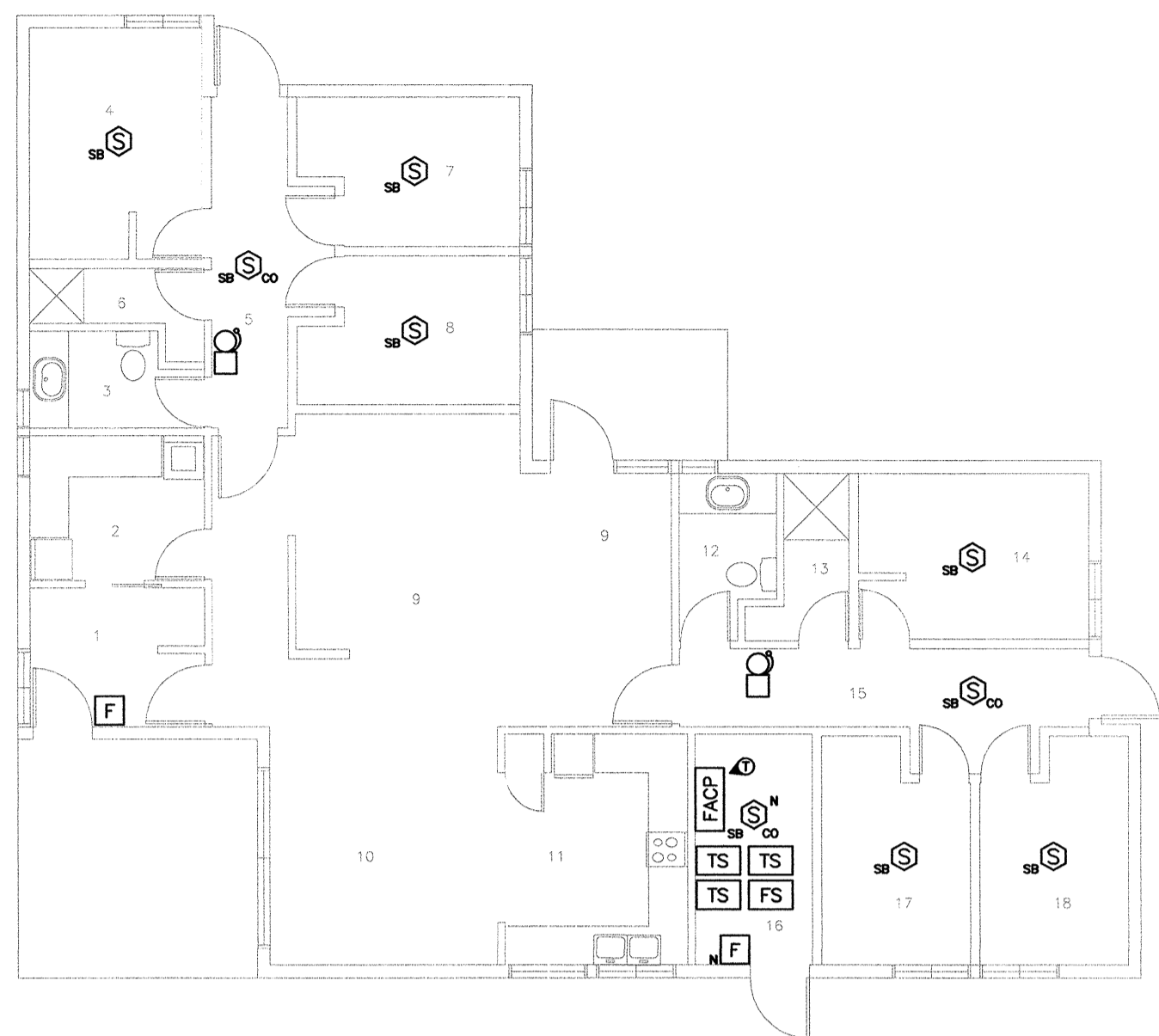
Drawing title/Titre du dessin
FLOOR PLANS - GROUP A

Project No./No. du projet	Sheet/Feuille	Revision no./ no. Révision
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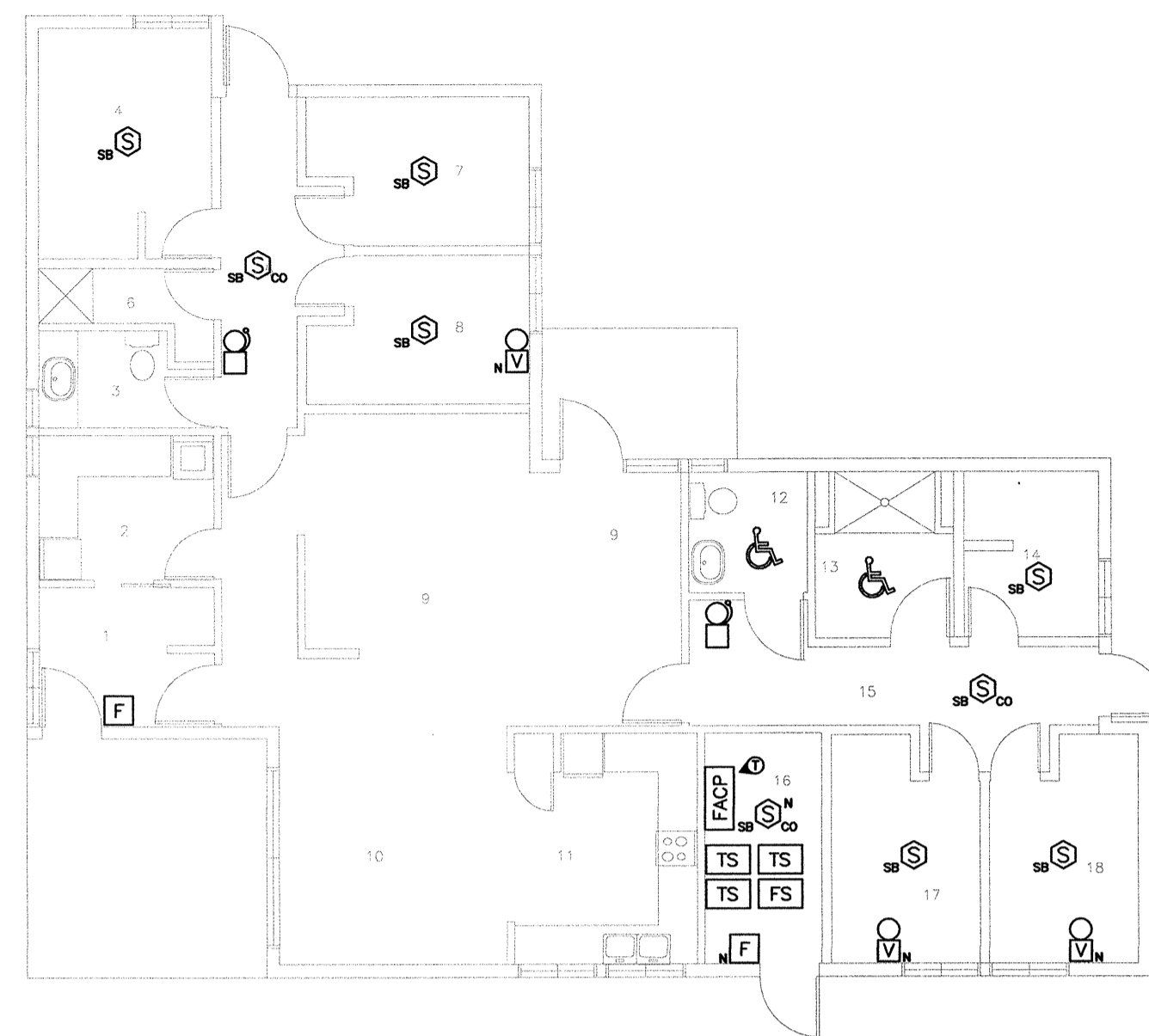
Unit A5	
Room #	Name
1	Vestibule
2	Laundry Room
3	Bathroom
4	Bedroom
5	Corridor
6	Shower
7	Bedroom
8	Bedroom
9	Living Room
10	Dining Room
11	Kitchen
12	Washroom
13	Shower
14	Bedroom
15	Corridor
16	Mechanical Room
17	Bedroom
18	Bedroom



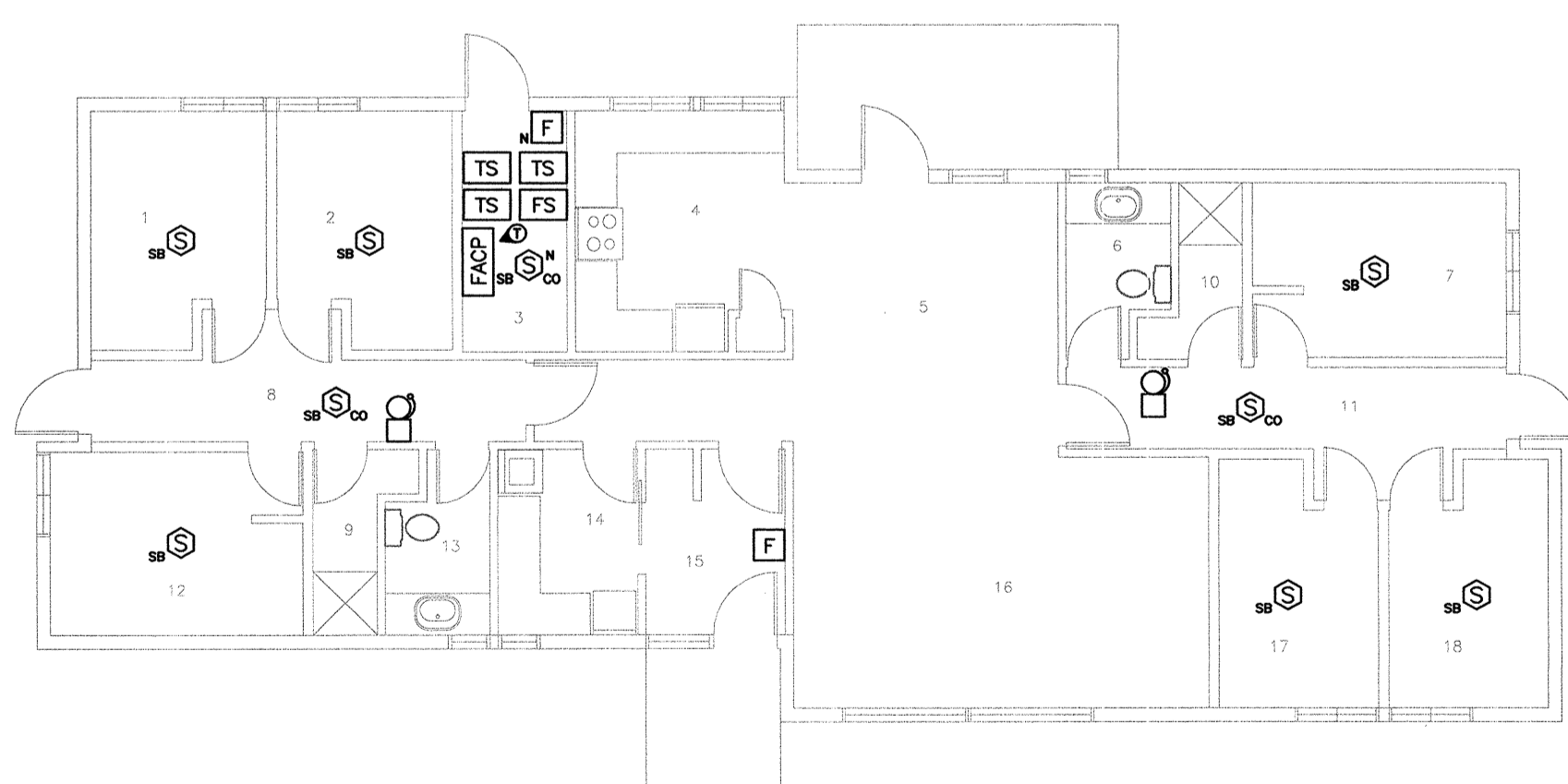
BLDG A5 - RESIDENCE FLOOR PLAN
SCALE 1:100



Unit AG	
Room #	Name
1	Vestibule
2	Laundry Room
3	Bathroom
4	Bedroom
5	Corridor
6	Shower
7	Bedroom
8	Bedroom
9	Living Room
10	Dining Room
11	Kitchen
12	Washroom
13	Shower
14	Bedroom
15	Corridor
16	Mechanical Room
17	Bedroom
18	Bedroom



BLDG A6 - RESIDENCE FLOOR PLAN
SCALE 1:100

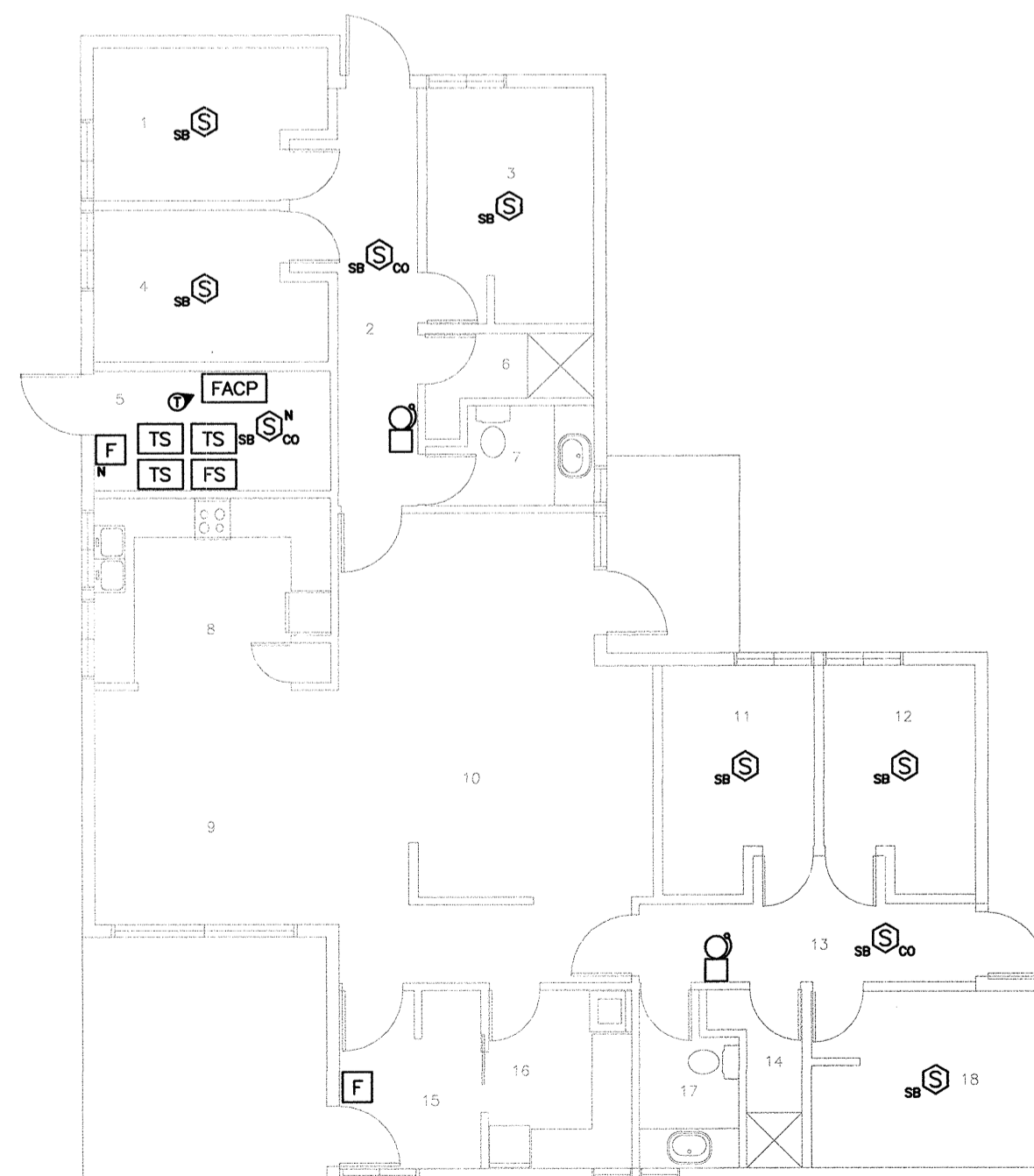


Unit A7	
Room #	Name
1	Bedroom
2	Bedroom
3	Furnace Room
4	Kitchen
5	Dining Room
6	Bathroom
7	Bedroom
8	Corridor
9	Shower
10	Shower
11	Corridor
12	Bedroom
13	Bathroom
14	Laundry Room
15	Vestibule
16	Living Room
17	Bedroom
18	Bedroom

BLDG A7 - RESIDENCE FLOOR PLAN
SCALE 1:100



Unit A8	
Room #	Name
1	Bedroom
2	Corridor
3	Bedroom
4	Bedroom
5	Furnace Room
6	Shower
7	Bathroom
8	Kitchen
9	Dining Room
10	Living Room
11	Shower
12	Bedroom
13	Corridor
14	Shower
15	Vestibule
16	Laundry Room
17	Bathroom
18	Bedroom



BLDG A8 - RESIDENCE FLOOR PLAN
SCALE 1:100



Revision/Revision	Description/Description	Date/Date
5		
4		
3		
2		
1	ISSUED FOR TENDER	30/NOV/2017
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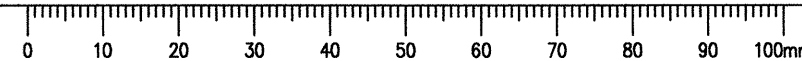
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CORRECTIONAL SERVICE CANADA

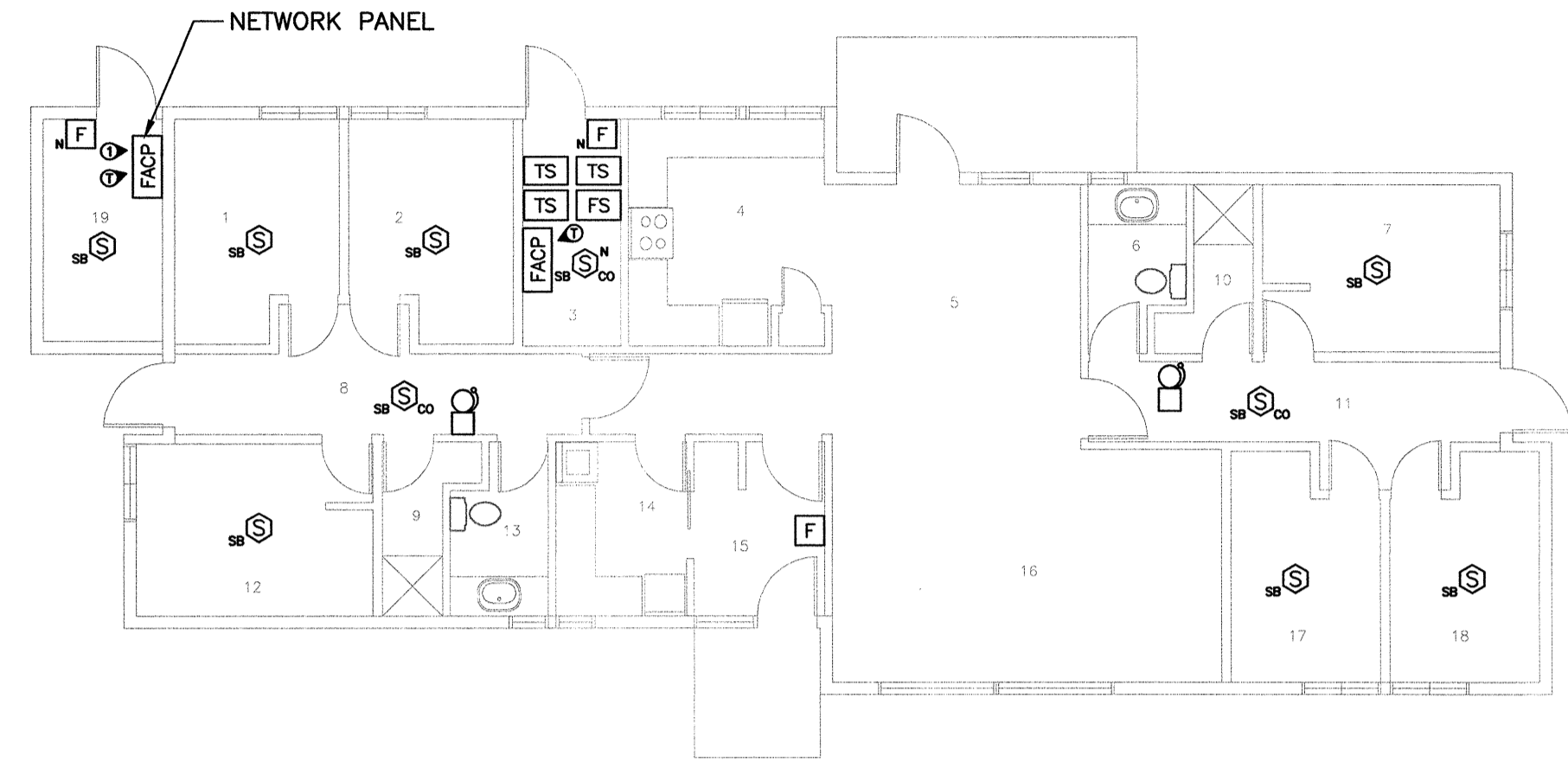
Project title/Titre du projet
MISSION MINIMUM INSTITUTION FIRE ALARM SYSTEM REPLACEMENT

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Greg Robertshaw
Drawn by/Dessiné par
Steve Barfield
PWGSC Project Manager/Administrateur de Projets TPSGC
C. Lu
PWGSC, Regional Manager, Architectural and Engineering Services /
gestionnaire régional, Services d'architecture et de génie, TPSGC
P. Paul

Drawing title/Titre du dessin
FLOOR PLANS - GROUP B

Project No./No. du projet	Sheet/Fauille	Revision no./ no. de révision
R.082592.001	E-03 OF -	0

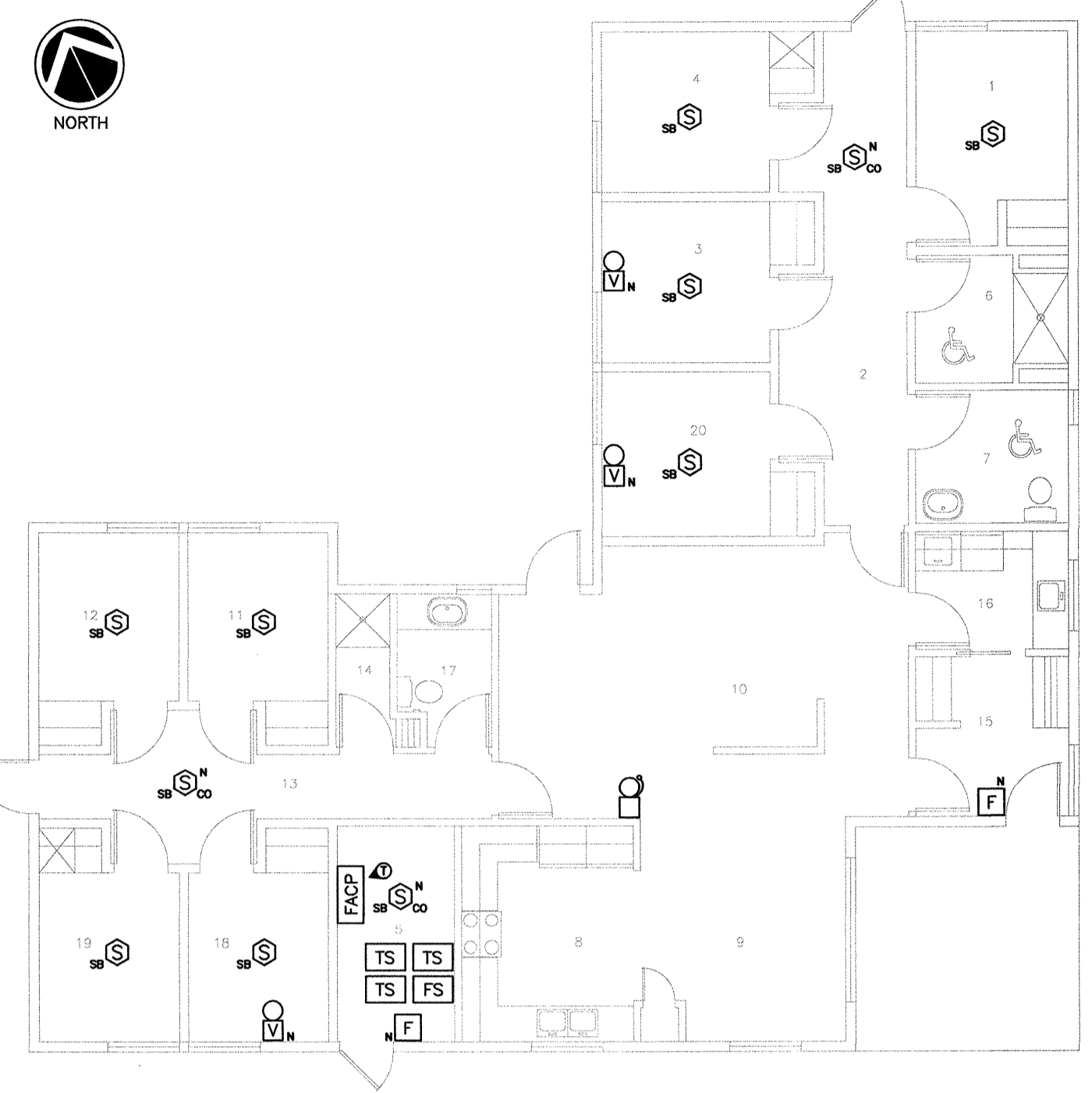




Unit A9	
Rm. #	Name
North Residence - First Floor	
1	Bedroom
2	Bedroom
3	Furnace Room
4	Kitchen
5	Dining Room
6	Bathroom
7	Bedroom
8	Corridor
9	Shower
10	Shower
11	Corridor
12	Bedroom
13	Bathroom
14	Laundry Room
15	Vestibule
16	Living Room
17	Bedroom
18	Bedroom
19	Electrical Room

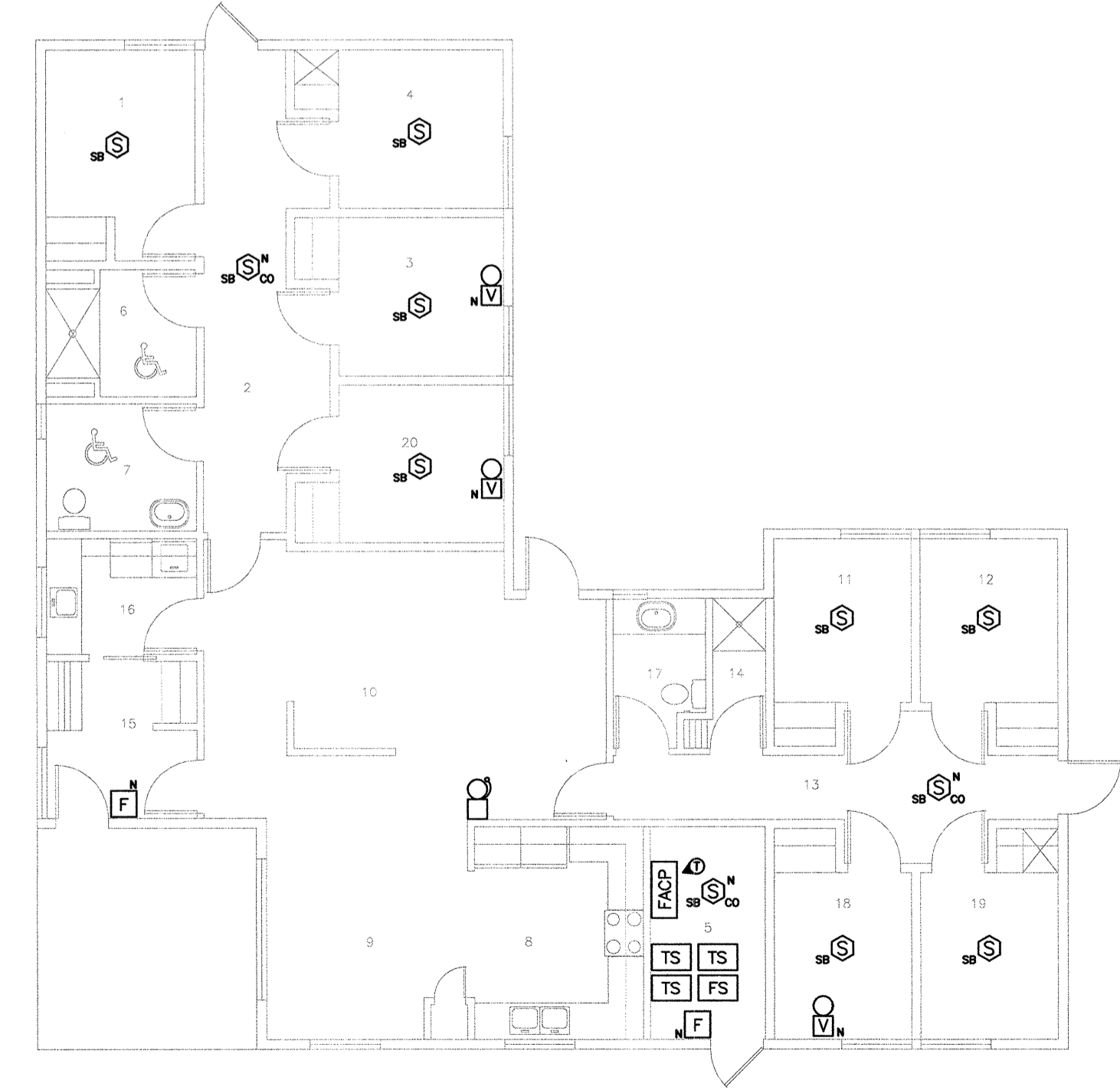
BLDG A9 - RESIDENCE FLOOR PLAN
SCALE 1:100

DRAWING NOTES:
 NETWORK FIRE ALARM CABLES FOR BUILDINGS A1 TO A9 ARE ROUTED UP TO A NETWORK FIRE ALARM PANEL AT THIS LOCATION. REMOVE THE NETWORK FIRE ALARM PANEL AND REPLACE WITH FIBRE OPTIC PANELS MOUNTED WITHIN THE LARGE FIRE ALARM PULL BOX. LOCATE FIBRE OPTIC PANELS AT HIGH LOCATION WITHIN PULLBOX.



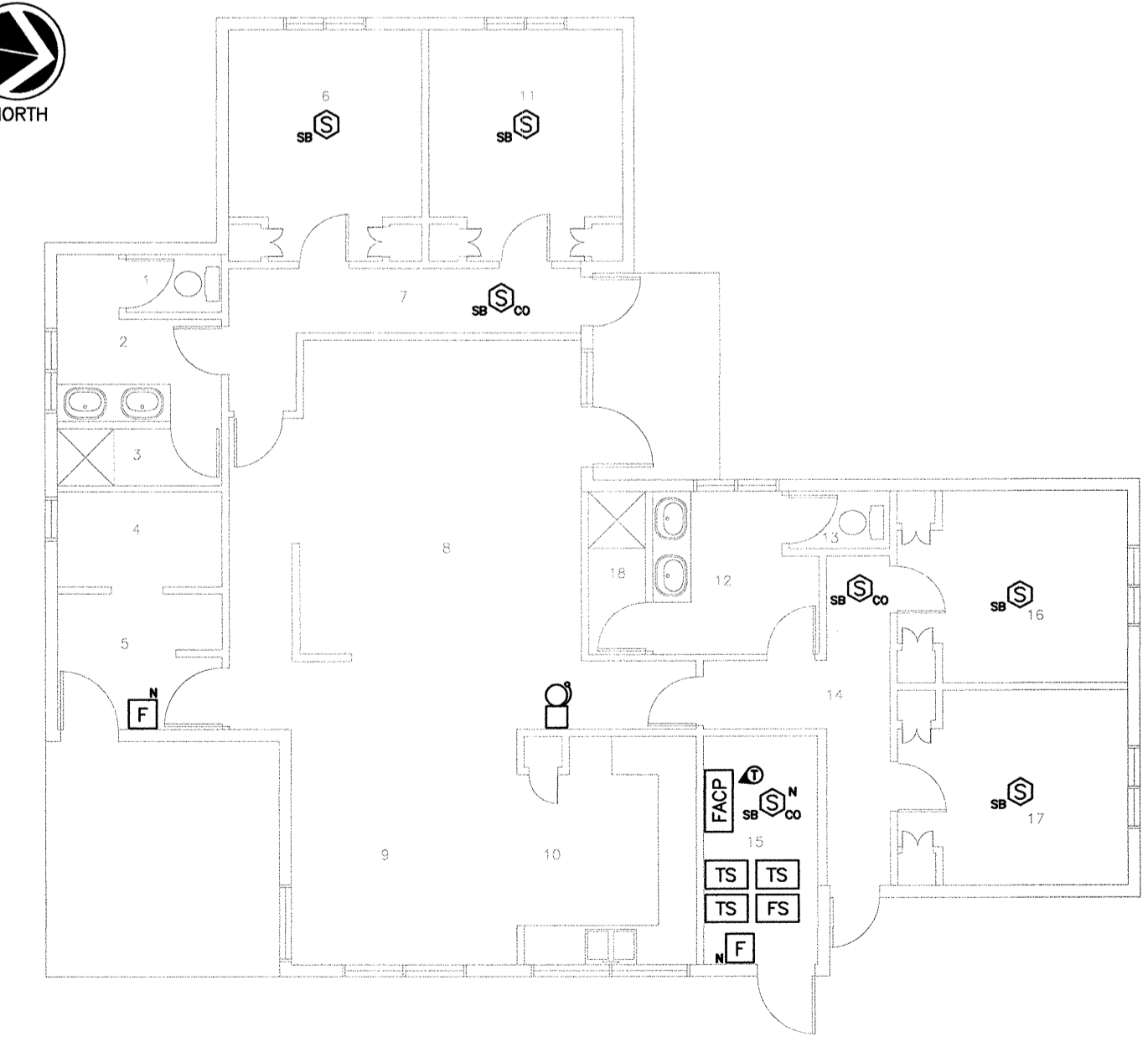
Unit A10 (Barner Free)	
Rm. #	Name
North Residence - First Floor	
1	Bedroom
2	Corridor
3	Bedroom
4	Bedroom
5	Mechanical Room
6	B.F. Shower
7	B.F. Bathroom
8	Kitchen
9	Dining Room
10	Living Room
11	Bedroom
12	Bedroom
13	Corridor
14	Shower
15	Vestibule
16	Laundry
17	Bathroom
18	Bedroom
19	Bedroom
20	Bedroom

BLDG A10 - RESIDENCE FLOOR PLAN
SCALE 1:100



Unit A11 (Barner Free)	
Rm. #	Name
North Residence - First Floor	
1	Bedroom
2	Corridor
3	Bedroom
4	Bedroom
5	Mechanical Room
6	B.F. Shower
7	B.F. Bathroom
8	Kitchen
9	Dining Room
10	Living Room
11	Bedroom
12	Bedroom
13	Corridor
14	Shower
15	Vestibule
16	Laundry
17	Bathroom
18	Bedroom
19	Bedroom
20	Bedroom

BLDG A11- RESIDENCE FLOOR PLAN
SCALE 1:100



Unit A12	
Rm. #	Name
East Residence - First Floor	
1	Washroom Stall
2	Washroom
3	Shower
4	Laundry Room
5	Vestibule
6	Bedroom
7	Corridor
8	Living Room
9	Dining Room
10	Kitchen
11	Bedroom
12	Bathroom
13	Bathroom Stall
14	Corridor
15	Mechanical Room
16	Bedroom
17	Bedroom
18	Shower

BLDG A12 - RESIDENCE FLOOR PLAN
SCALE 1:100

Revision/Revision	Description/Description	Date/Date
5		
4		
3		
2		
1	ISSUED FOR TENDER	20/NOV/2017
0	ISSUED FOR 100% REVIEW	06/OCT/2017

Client/client
CORRECTIONAL SERVICE CANADA

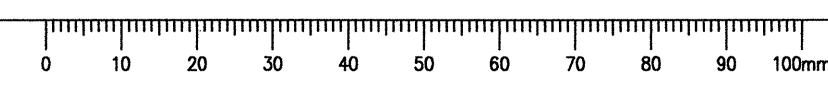
Project title/Titre du projet
MISSION MINIMUM INSTITUTION FIRE ALARM SYSTEM REPLACEMENT

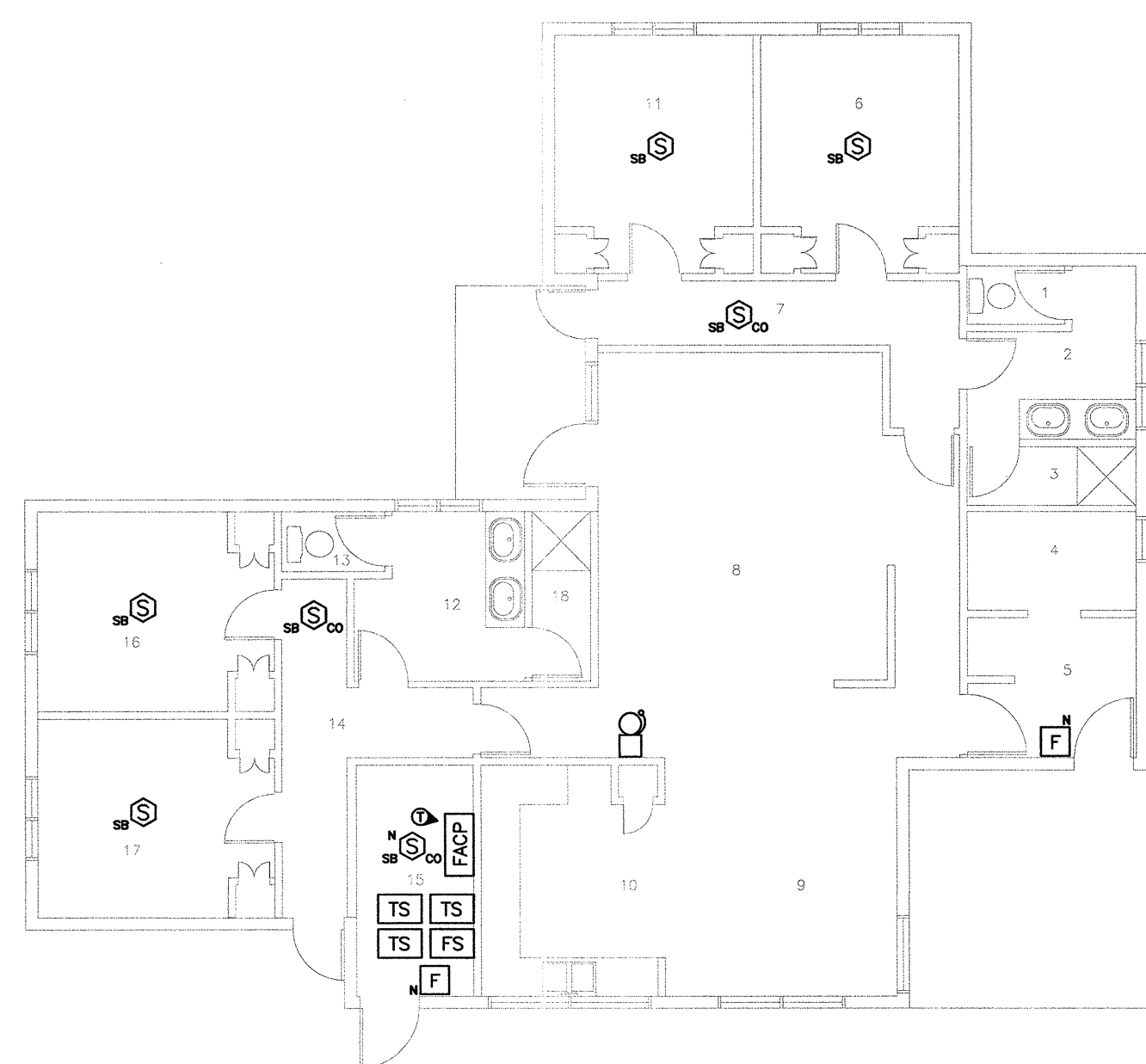
Consultant Signature Box Only
 Designed by/Concept par
Grag Robertshaw
 Drawn by/Dessiné par
Steve Barnfield
 PWSC Project Manager/Administrateur de Projets TPSGC
 C. Lu

PWSC Regional Manager, Architectural and Engineering Services/
 Gestionnaire régionale, Services d'architecture et de génie, TPSGC
 P. Paul

Drawing title/Titre du dessin
FLOOR PLANS - GROUP C

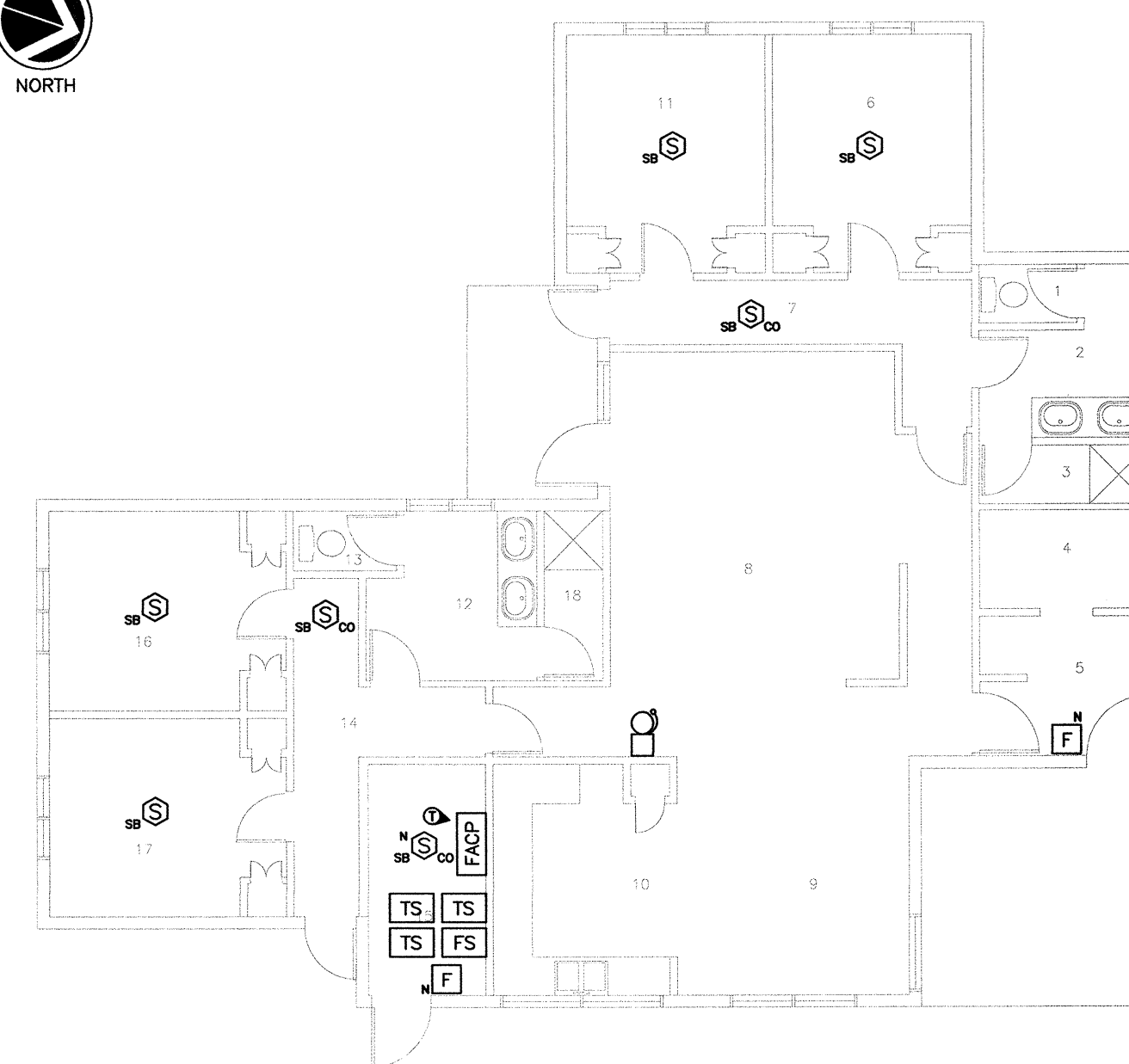
Project No./No. du projet	Sheet/Feuille	Revision no./No. de Révision
R.082592.001	E-04 OF -	0





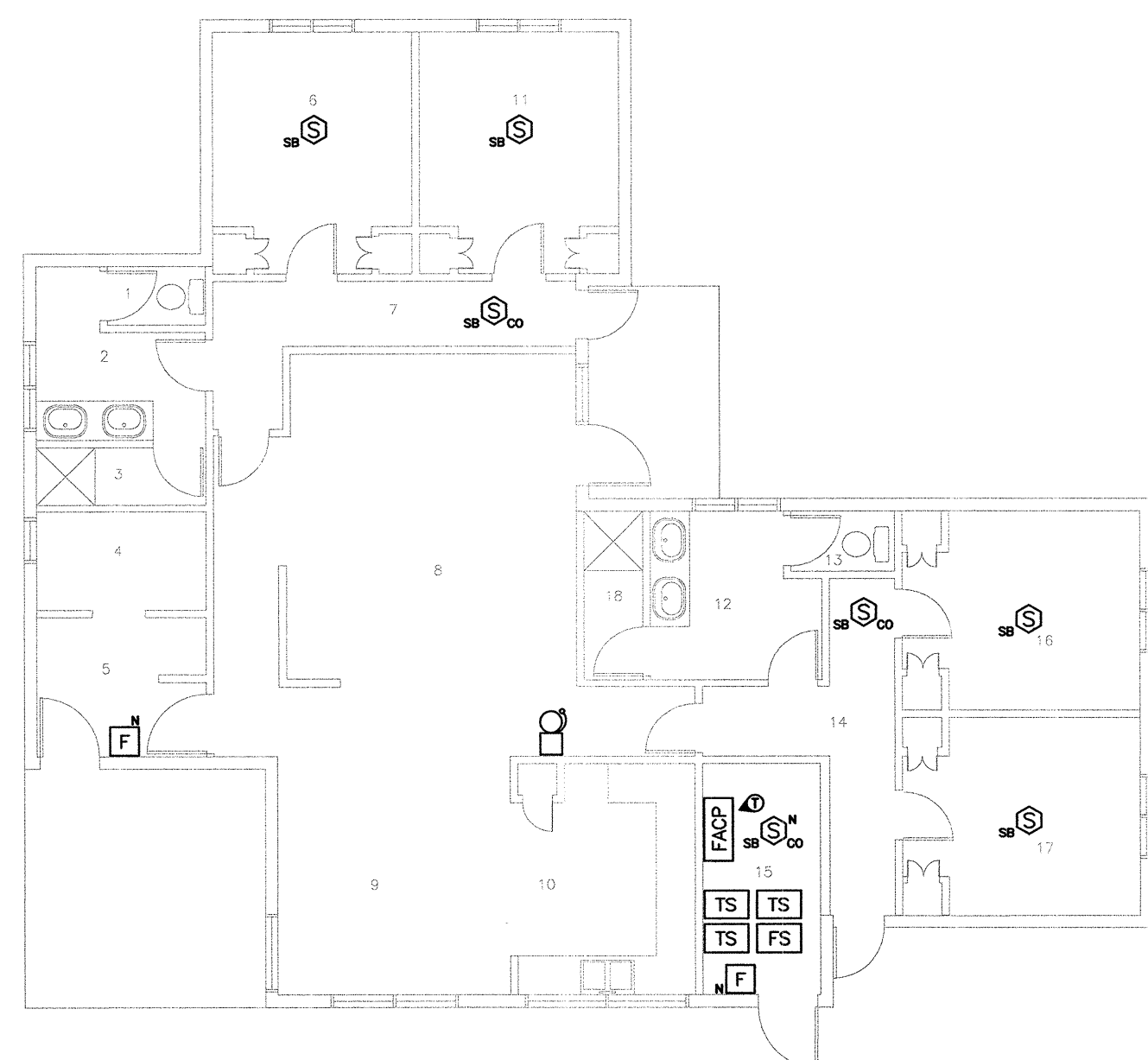
Unit A13	
East Residence - First Floor	
Rm. #	Name
1	Washroom Stall
2	Washroom
3	Shower
4	Laundry Room
5	Vestibule
6	Bedroom
7	Corridor
8	Living Room
9	Dining Room
10	Kitchen
11	Bedroom
12	Bathroom
13	Bathroom Stall
14	Corridor
15	Mechanical Room
16	Bedroom
17	Bedroom
18	Shower

BLDG A13 - RESIDENCE FLOOR PLAN
SCALE 1:100



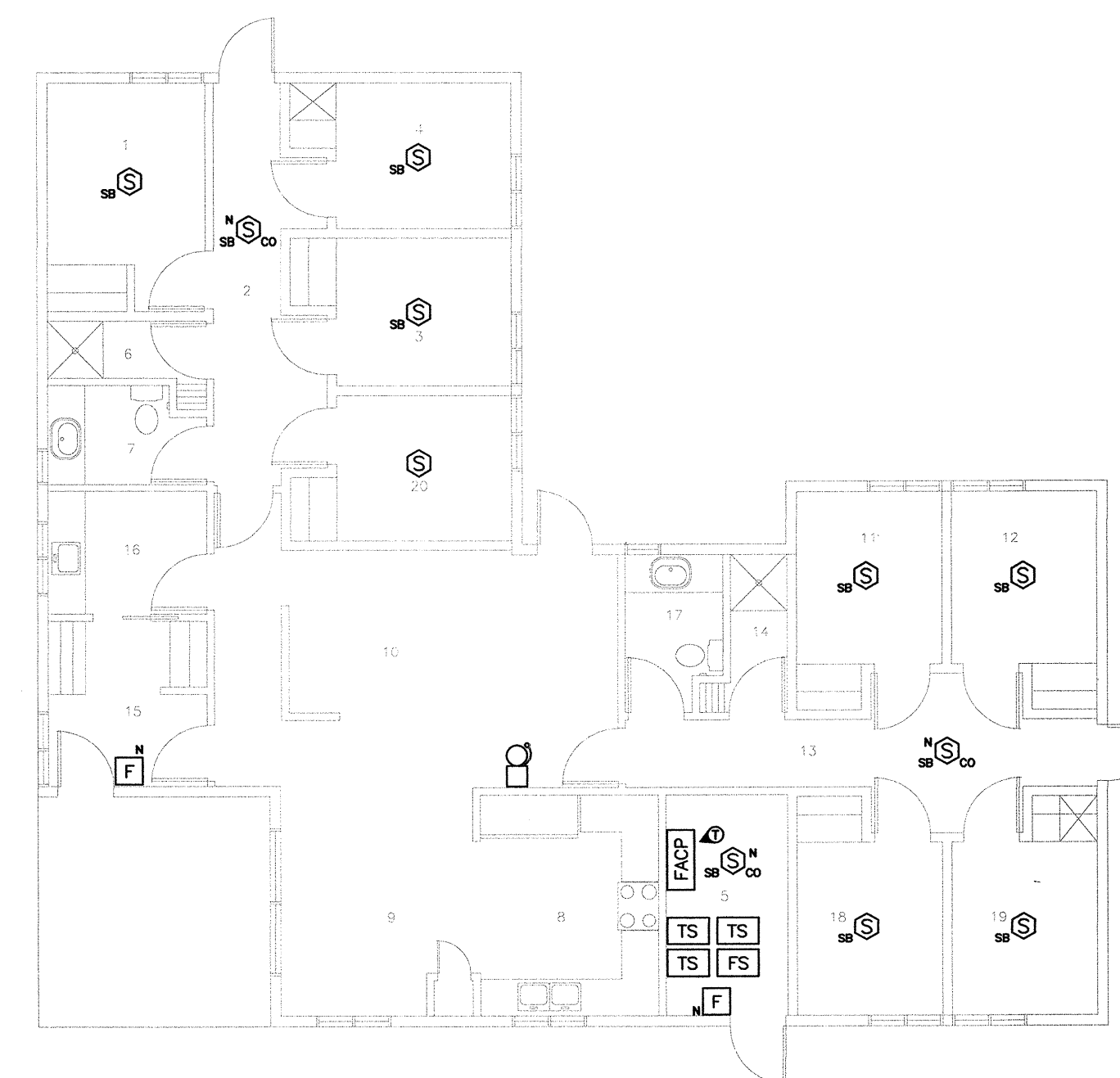
Unit A14	
East Residence - First Floor	
Rm. #	Name
1	Washroom Stall
2	Washroom
3	Shower
4	Laundry Room
5	Vestibule
6	Bedroom
7	Corridor
8	Living Room
9	Dining Room
10	Kitchen
11	Bedroom
12	Bathroom
13	Bathroom Stall
14	Corridor
15	Mechanical Room
16	Bedroom
17	Bedroom
18	Shower

BLDG A14 - RESIDENCE FLOOR PLAN
SCALE 1:100



Unit A15	
East Residence - First Floor	
Rm. #	Name
1	Washroom Stall
2	Washroom
3	Shower
4	Laundry Room
5	Vestibule
6	Bedroom
7	Corridor
8	Living Room
9	Dining Room
10	Kitchen
11	Bedroom
12	Bathroom
13	Bathroom Stall
14	Corridor
15	Mechanical Room
16	Bedroom
17	Bedroom
18	Shower

BLDG A15 - RESIDENCE FLOOR PLAN
SCALE 1:100



Unit A16	
East Residence - First Floor	
Rm. #	Name
1	Bedroom
2	Corridor
3	Bedroom
4	Bedroom
5	Mechanical Room
6	Shower
7	Bathroom
8	Kitchen
9	Dining Room
10	Living Room
11	Bedroom
12	Bedroom
13	Corridor
14	Shower
15	Vestibule
16	Laundry
17	Bathroom
18	Bedroom
19	Bedroom
20	Bedroom

BLDG A16 - RESIDENCE FLOOR PLAN
SCALE 1:100

Revision/	Description/Description	Date/Date
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2		
1	ISSUED FOR TENDER	20/NOV/2017
0	ISSUED FOR 100% REVIEW	09/OCT/2017

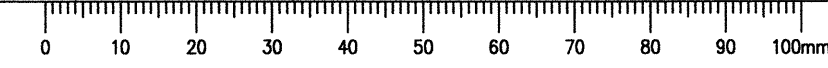
Client/client
CORRECTIONAL SERVICE CANADA

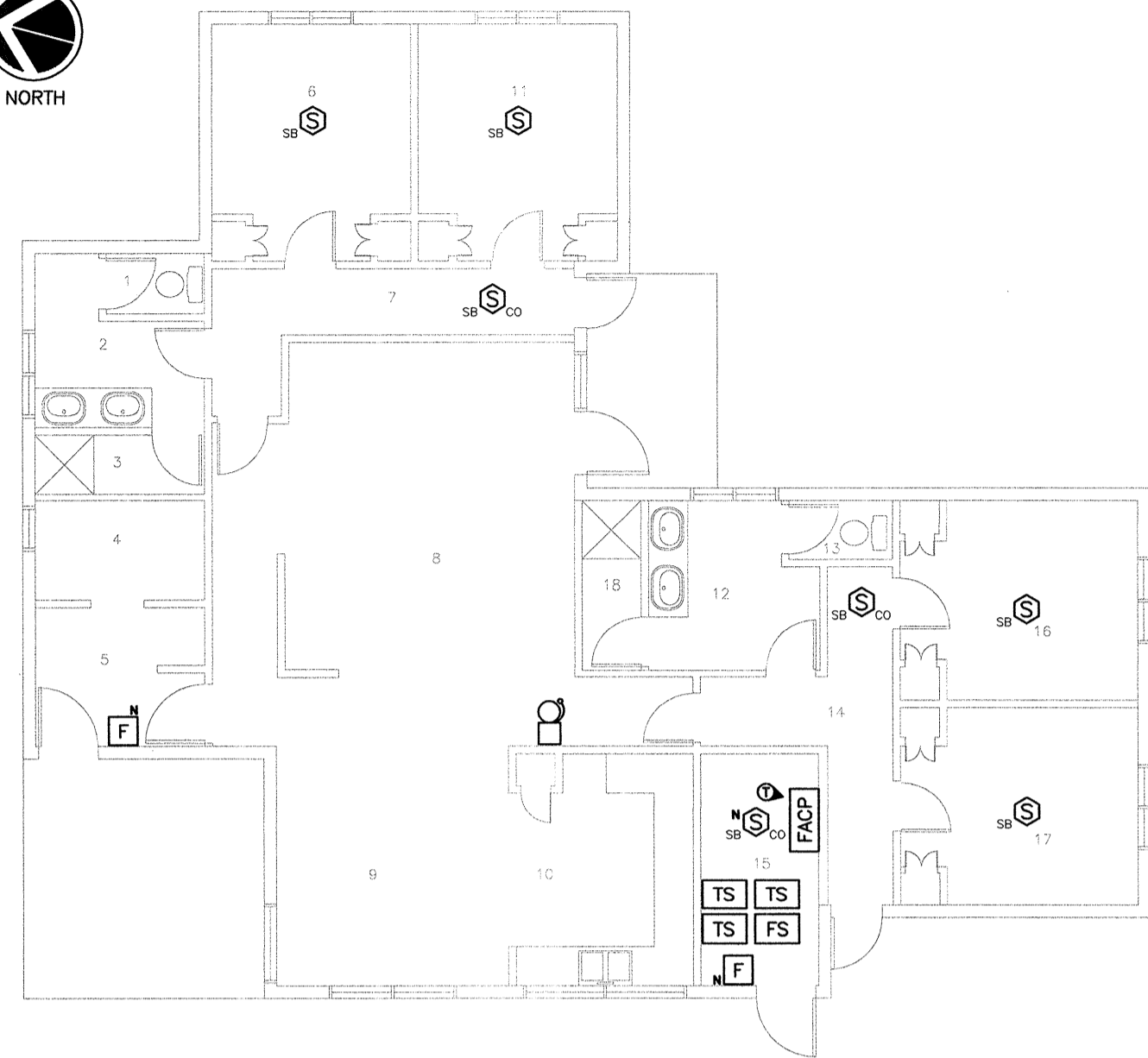
Project title/Titre du projet
MISSION MINIMUM INSTITUTION FIRE ALARM SYSTEM REPLACEMENT

Consultant Signature Box Only
Designed by/Concept par
Greg Robertshaw
Drawn by/Dessiné par
Steve Barfield
PWSC Project Manager/Administrateur de Projets TPSGC
C. Lu
PWSC, Regional Manager, Architectural and Engineering Services /
Gestionnaire régional, Services d'architecture et de gén. TPSGC
P. Paul

Drawing title/Titre du dessin
FLOOR PLANS - GROUP D

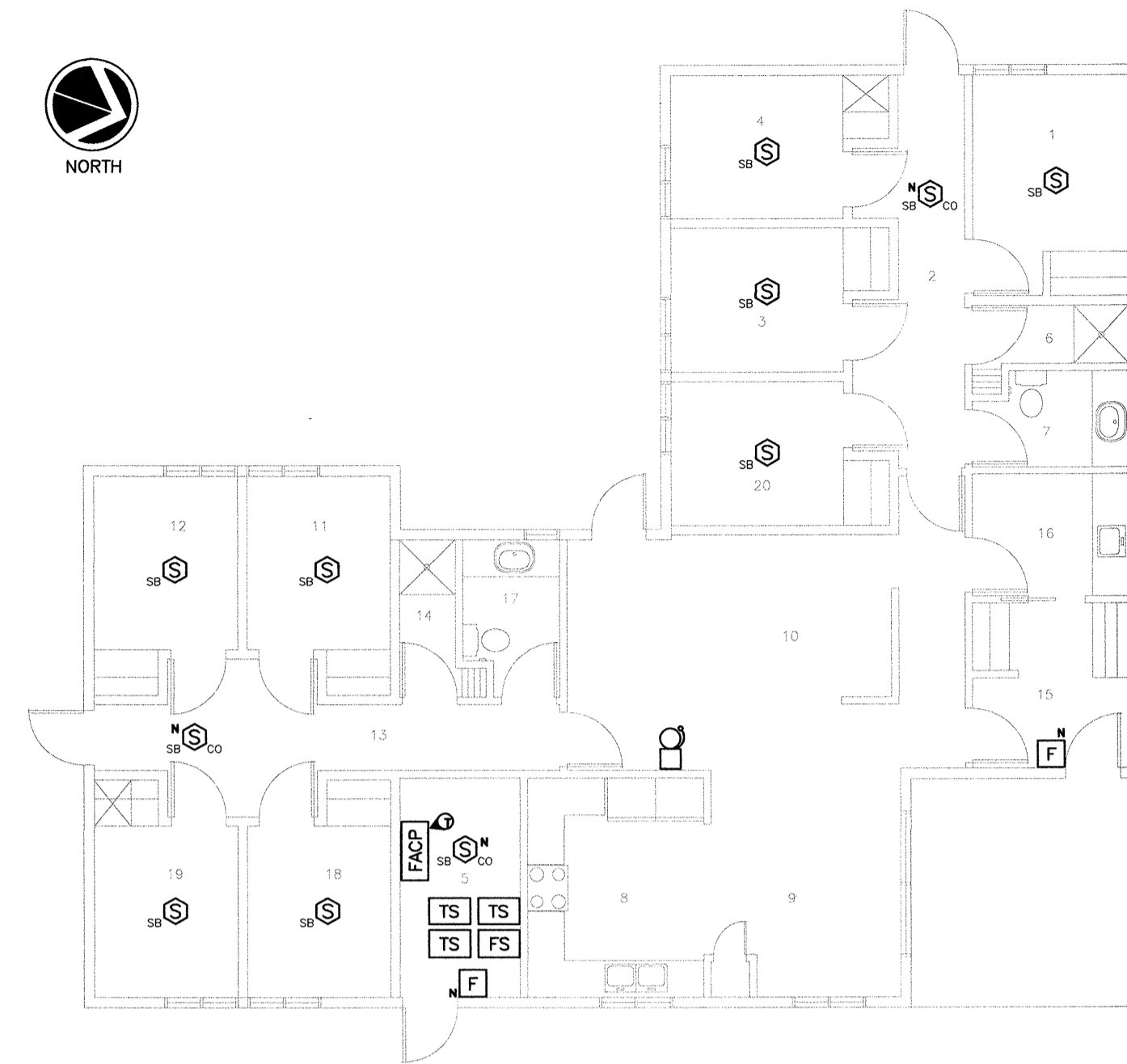
Project No./No. du projet	Sheet/Feuille	Revision no./ no. de révision
R.082592.001	E-05 OF -	0





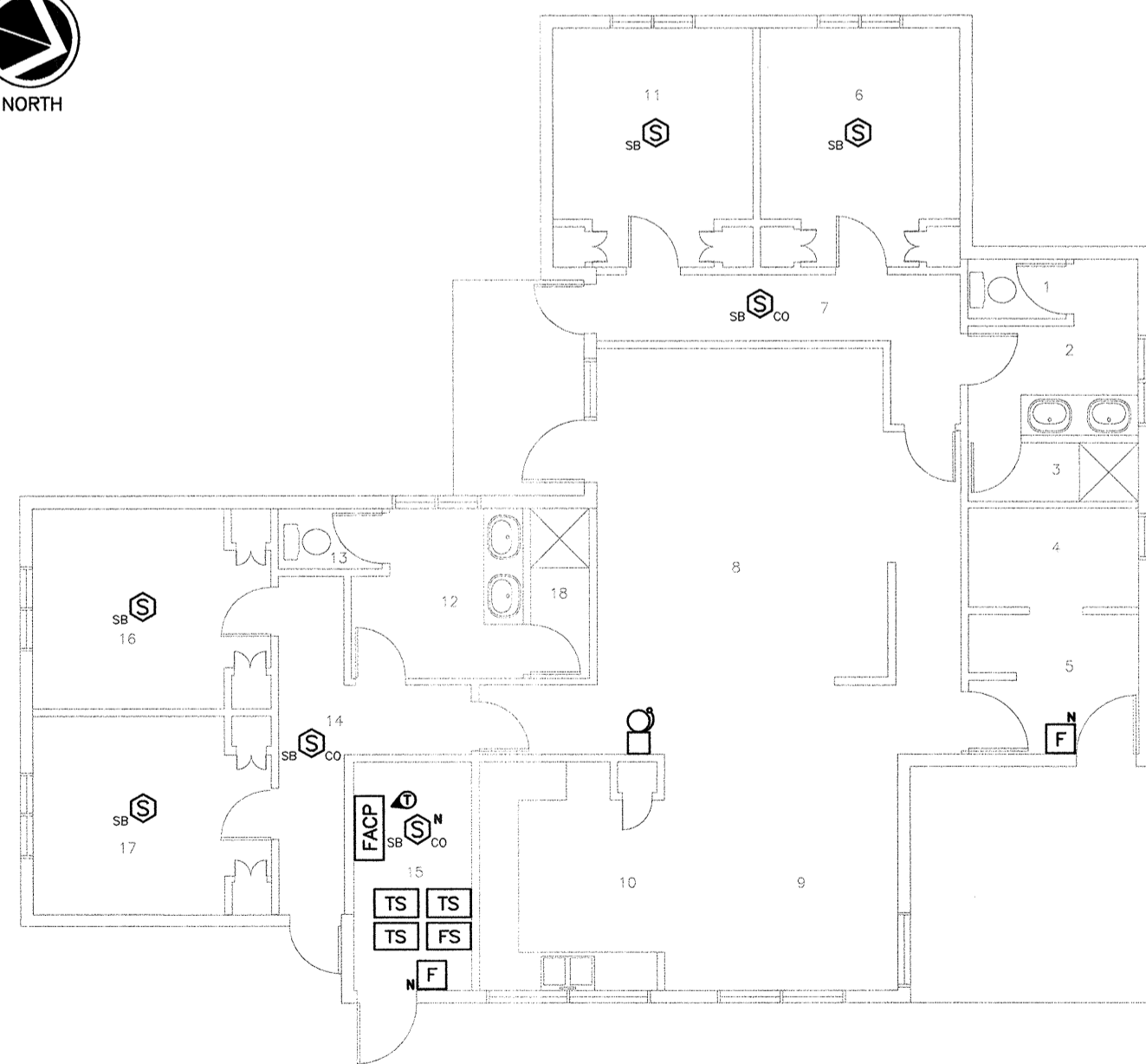
Unit A17	
Rm #	Name
1	Washroom Stall
2	Washroom
3	Shower
4	Laundry Room
5	Vestibule
6	Bedroom
7	Corridor
8	Living Room
9	Dining Room
10	Kitchen
11	Bedroom
12	Bathroom
13	Bathroom Stall
14	Corridor
15	Mechanical Room
16	Bedroom
17	Bedroom
18	Shower

BLDG A17 - RESIDENCE FLOOR PLAN
SCALE 1:100



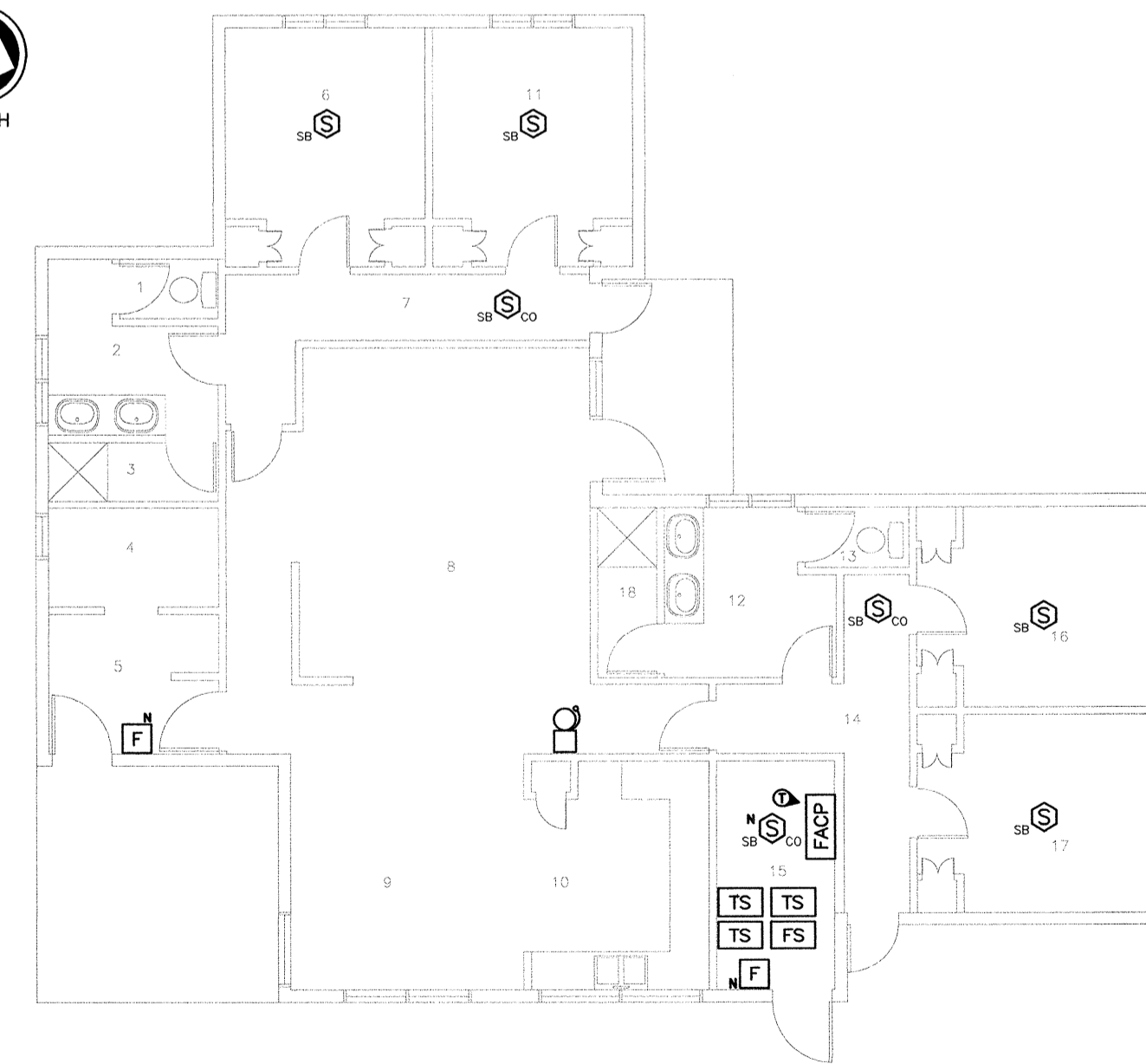
Unit A18	
Rm #	Name
1	Bedroom
2	Corridor
3	Bedroom
4	Bedroom
5	Mechanical Room
6	Shower
7	Bathroom
8	Kitchen
9	Dining Room
10	Living Room
11	Bedroom
12	Bedroom
13	Corridor
14	Shower
15	Vestibule
16	Laundry
17	Bathroom
18	Bedroom
19	Bedroom
20	Bedroom

BLDG A18 - RESIDENCE FLOOR PLAN
SCALE 1:100



Unit A19	
Rm #	Name
1	Washroom Stall
2	Washroom
3	Shower
4	Laundry Room
5	Vestibule
6	Bedroom
7	Corridor
8	Living Room
9	Dining Room
10	Kitchen
11	Bedroom
12	Bathroom
13	Bathroom Stall
14	Corridor
15	Mechanical Room
16	Bedroom
17	Bedroom
18	Shower

BLDG A19 - RESIDENCE FLOOR PLAN
SCALE 1:100



Unit A20	
Rm #	Name
1	Washroom Stall
2	Washroom
3	Shower
4	Laundry Room
5	Vestibule
6	Bedroom
7	Corridor
8	Living Room
9	Dining Room
10	Kitchen
11	Bedroom
12	Bathroom
13	Bathroom Stall
14	Corridor
15	Mechanical Room
16	Bedroom
17	Bedroom
18	Bedroom
19	Shower

BLDG A20 - RESIDENCE FLOOR PLAN
SCALE 1:100

Revision/Revision	Description/Description	Date/Date
5		
4		
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1	ISSUED FOR TENDER	20/NOV/2017
0	ISSUED FOR 100% REVIEW	08/OCT/2017

Client/client
CORRECTIONAL SERVICE CANADA

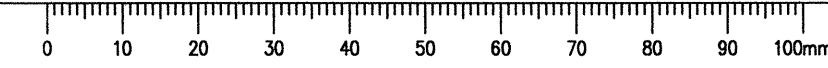
Project title/Titre du projet

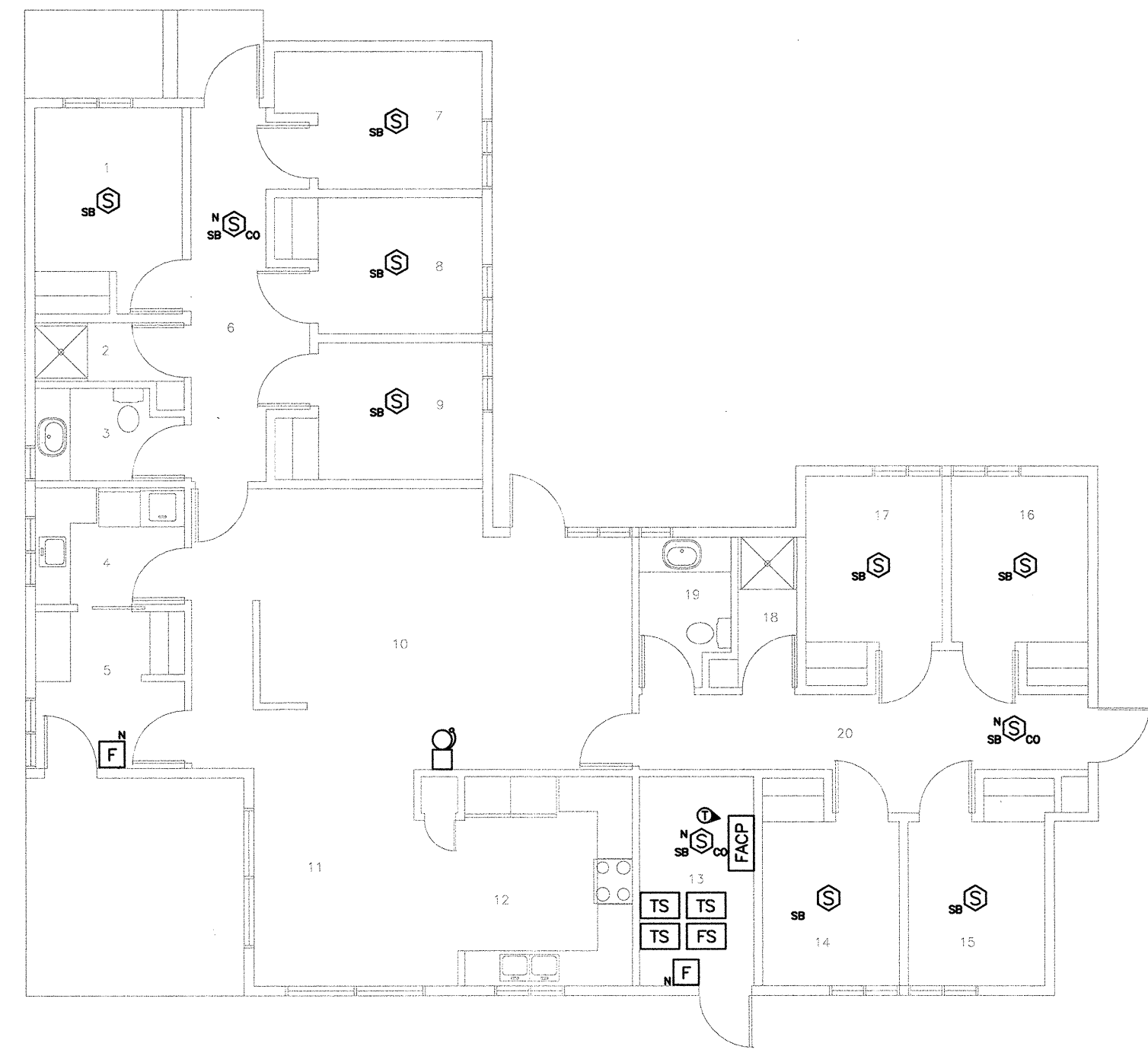
MISSION MINIMUM INSTITUTION FIRE ALARM SYSTEM REPLACEMENT

Consultant Signature Box Only
Designed by/Concepté par
Greg Robertshaw
Drawn by/Dessiné par
Steve Barfield
PWSC Project Manager/Administrateur de Projets TPSGC
C. Lu
PWSC Regional Manager, Architectural and Engineering Services / Gestionnaire régional, Services d'architecture et de génie, TPSGC
P. Paul

Drawing title/Titre du dessin
FLOOR PLANS - GROUP E

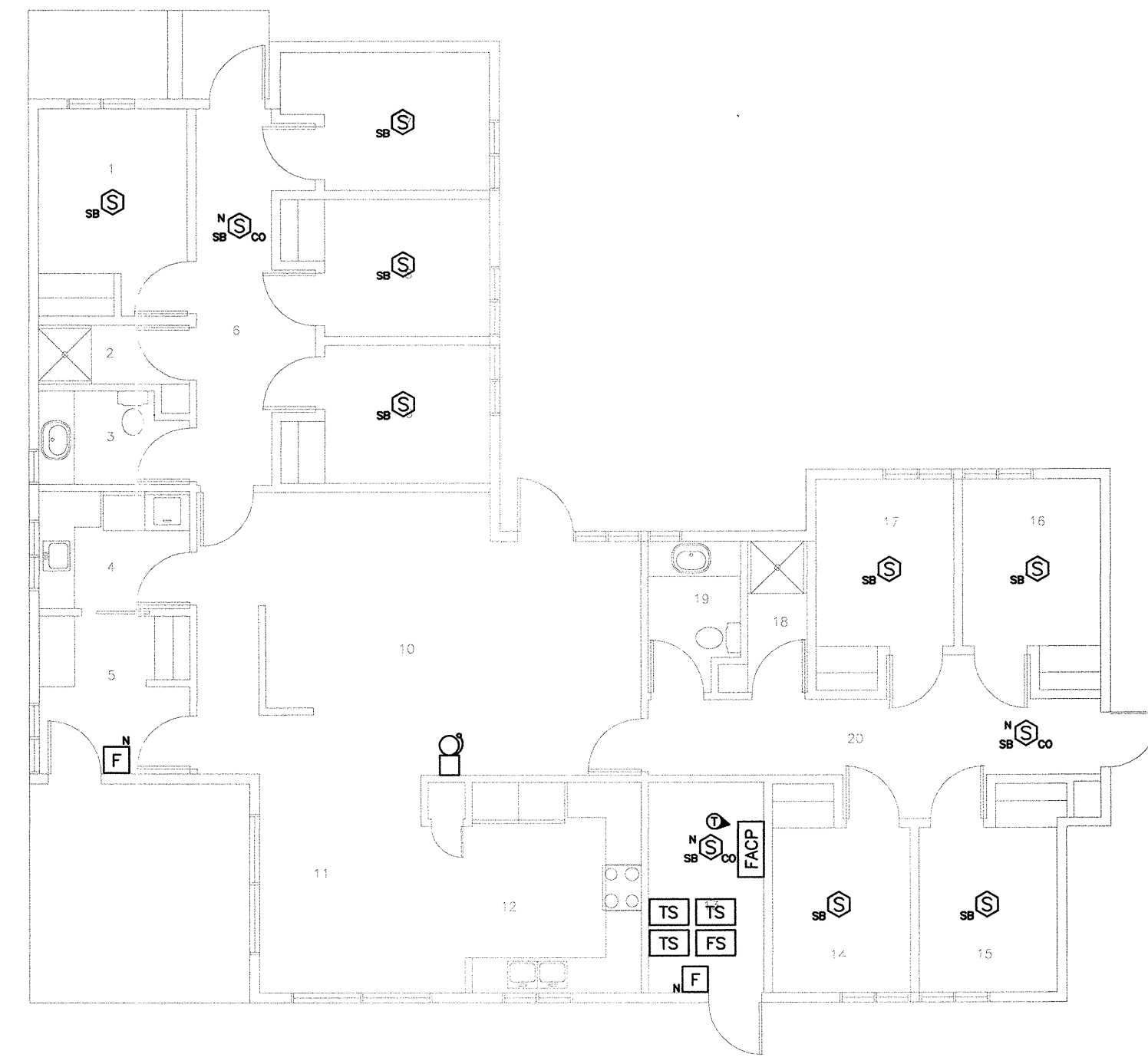
Project No./No. du projet	Sheet/Fauille	Revision no./Révision no.
R.082592.001	E-06 OF -	0





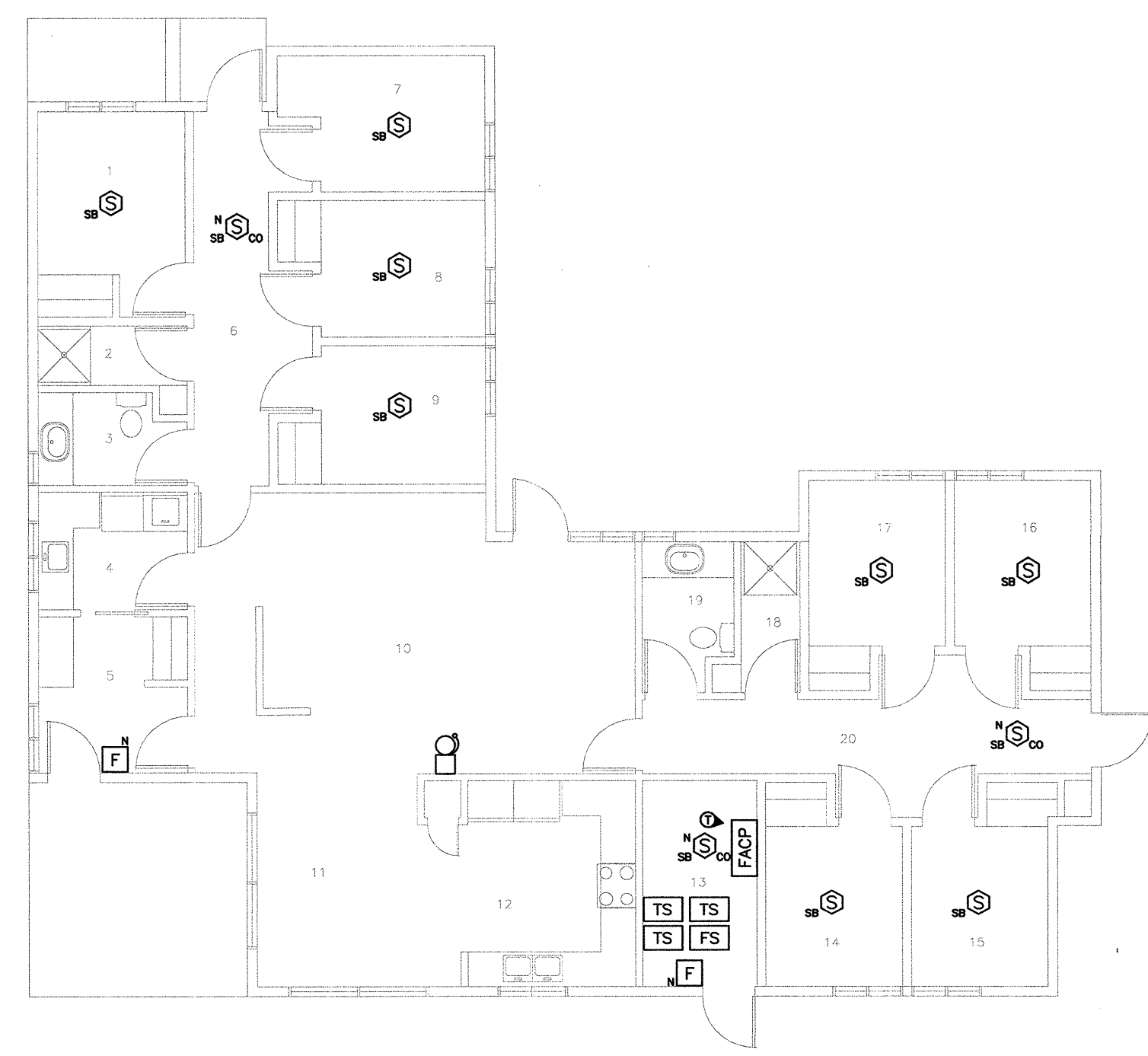
Unit A21	
Res. #	Name
1	Bedroom
2	Shower
3	Washroom
4	Laundry Room
5	Vestibule
6	Corridor
7	Bedroom
8	Bedroom
9	Bedroom
10	Living Room
11	Dining Room
12	Kitchen
13	Mechanical Room
14	Bedroom
15	Bedroom
16	Bedroom
17	Bedroom
18	Shower
19	Washroom
20	Corridor

BLDG A21 - RESIDENCE FLOOR PLAN
SCALE 1:100



Unit A22	
Res. #	Name
1	Bedroom
2	Shower
3	Washroom
4	Laundry Room
5	Vestibule
6	Corridor
7	Bedroom
8	Bedroom
9	Bedroom
10	Living Room
11	Dining Room
12	Kitchen
13	Mechanical Room
14	Bedroom
15	Bedroom
16	Bedroom
17	Bedroom
18	Shower
19	Washroom
20	Corridor

BLDG A22 - RESIDENCE FLOOR PLAN
SCALE 1:100

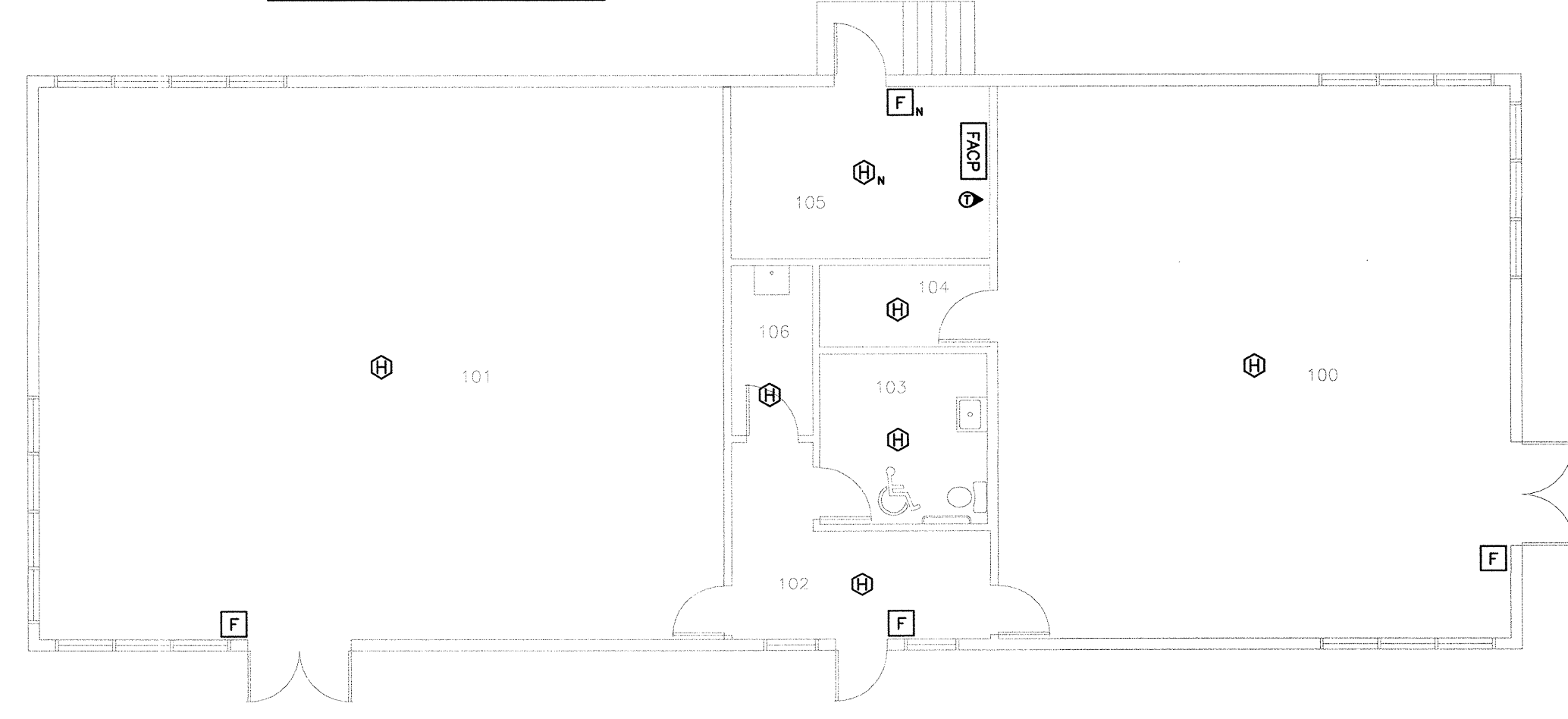


Unit A23	
Res. #	Name
1	Bedroom
2	Shower
3	Washroom
4	Laundry Room
5	Vestibule
6	Corridor
7	Bedroom
8	Bedroom
9	Bedroom
10	Living Room
11	Dining Room
12	Kitchen
13	Mechanical Room
14	Bedroom
15	Bedroom
16	Bedroom
17	Bedroom
18	Shower
19	Washroom
20	Corridor

BLDG A23 - RESIDENCE FLOOR PLAN
SCALE 1:100



Unit 4	
Res. #	Name
100	Recreation Room
101	Weight Training
102	Entrance
103	B.F. Washroom
104	Storage
105	Mechanical Room
106	Janitors Room



BLDG 4 - RECREATION FLOOR PLAN
SCALE 1:100

Revision/Revision	Description/Description	Date/Date
5		
4		
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1	ISSUED FOR TENDER	20/NOV/2017
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Client/client
CORRECTIONAL SERVICE CANADA

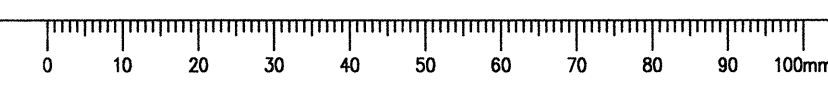
Project title/Titre du projet

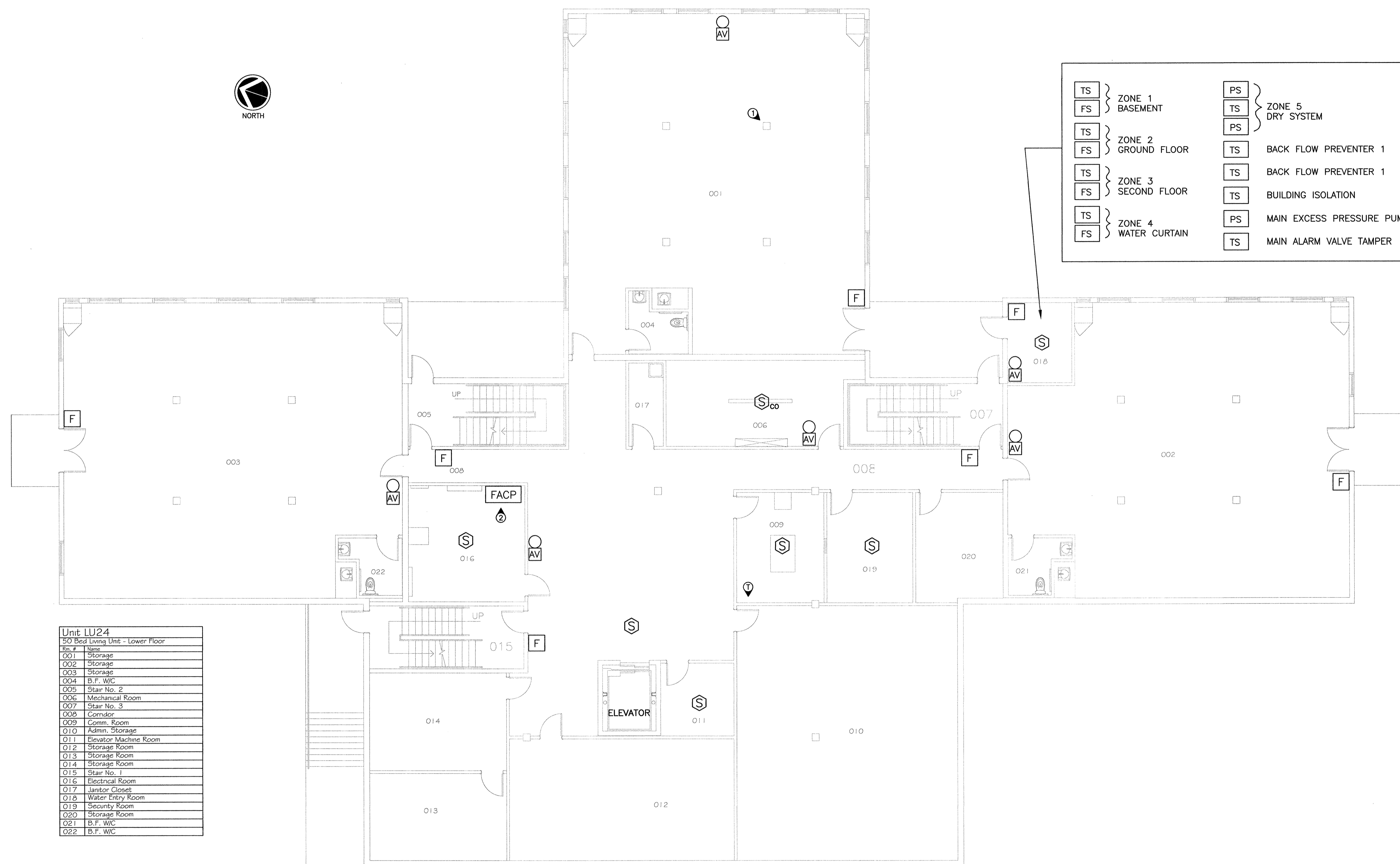
MISSION MINIMUM INSTITUTION FIRE ALARM SYSTEM REPLACEMENT

Consultant Signature Box Only
Designed by/Conçeut par
Greg Robertshaw
Drawn by/Dessiné par
Steve Barnfield
PWGSC Project Manager/Administrateur de Projets TPSGC
C. Lu
PWGSC Regional Manager, Architectural and Engineering Services/
Gestionnaire régional, Services d'architecture et de génie, TPSGC
P. Paul

Drawing title/Titre du dessin
FLOOR PLANS - GROUP F

Project No./No. du projet	Sheet/Feuille	Revision no./ no. Révision
R.082592.001	E-07 OF -	0





Room #	Name
001	Storage
002	Storage
003	Storage
004	B.F. W/C
005	Stair No. 2
006	Mechanical Room
007	Stair No. 3
008	Comidor
009	Comm. Room
010	Admin. Storage
011	Elevator Machine Room
012	Storage Room
013	Storage Room
014	Storage Room
015	Stair No. 1
016	Electrical Room
017	Janitor Closet
018	Water Entry Room
019	Security Room
020	Storage Room
021	B.F. W/C
022	B.F. W/C



Revision/Revision	Description/Description	Date/Date
5		
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2		
1	ISSUED FOR TENDER	20/NOV/2017
0	ISSUED FOR 100% REVIEW	09/OCT/2017

Client/client
CORRECTIONAL SERVICE CANADA

Project title/Titre du projet
MISSION MINIMUM INSTITUTION FIRE ALARM SYSTEM REPLACEMENT

Consultant Signature Box Only
Designed by/Concept par
Greg Robertshaw
Drawn by/Dessiné par
Steve Bartfield
PWSC Project Manager/Administrateur de Projets TPSGC
C. Lu
PWSC, Regional Manager, Architectural and Engineering Services/
Gestionnaire régionale, Services d'architecture et de génie, TPSGC
P. Paul

Drawing title/Titre du dessin
FLOOR PLANS - GROUP G

Project No./No. du projet	Sheet/Feuille	Revision no./ no. de révision
R.082592.001	E-08 OF -	0

BLDG LU24 - LOWER FLOOR PLAN
SCALE 1:100

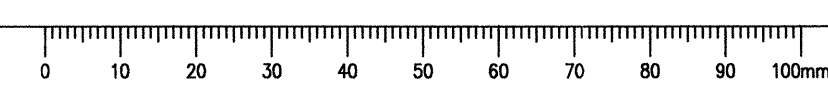
DRAWING NOTES

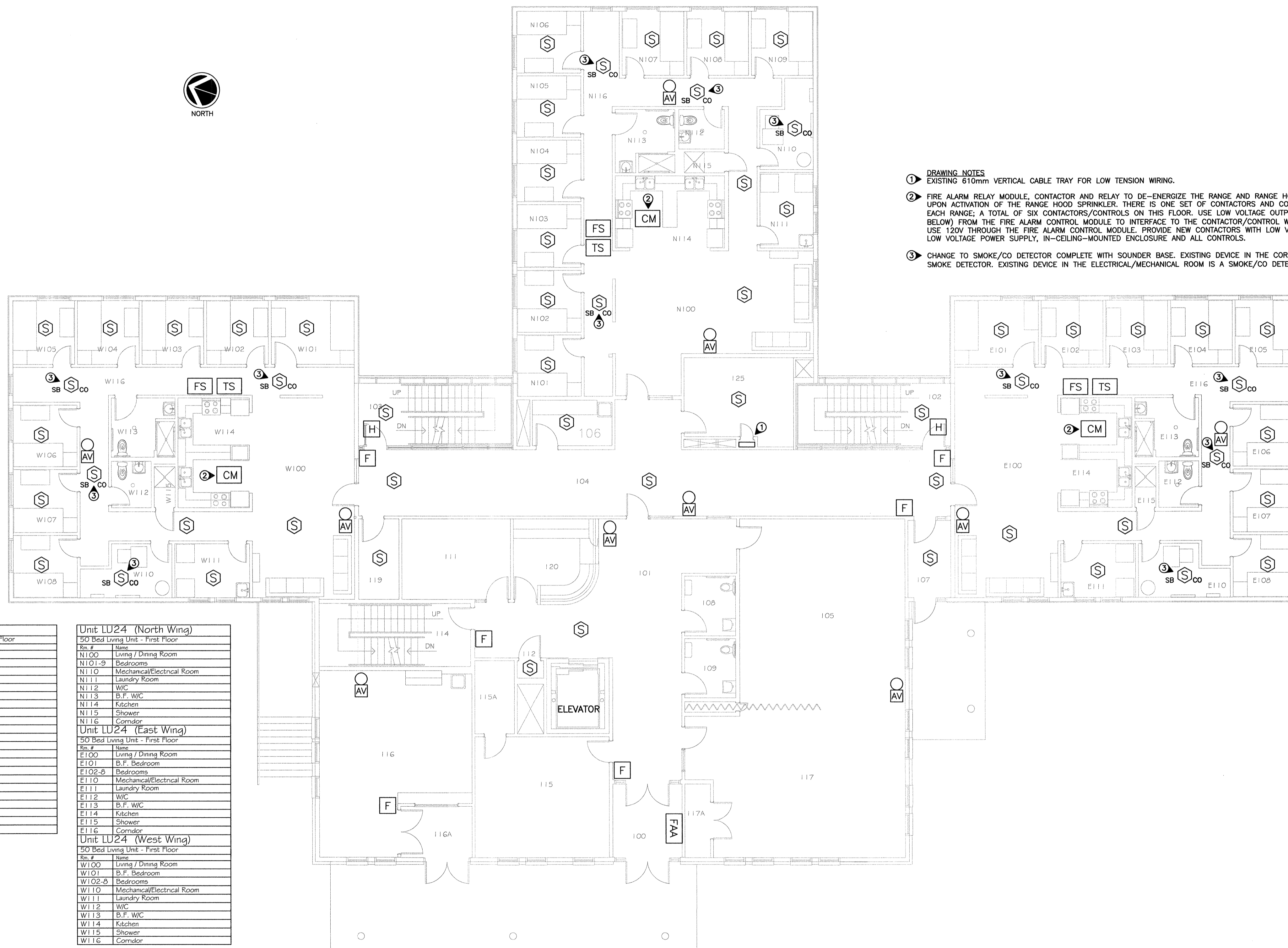
1. APPROXIMATE LOCATION OF NEW NETWORK ANNUNCIATOR WORKSTATION. THERE IS NO EXISTING NETWORK ANNUNCIATOR WORKSTATION WITHIN THIS BUILDING. DEPARTMENTAL REPRESENTATIVE WILL DESIGNATE EXACT LOCATION. PROVIDE ENOUGH SLACK CABLE TO PERMIT WORKSTATION TO BE MOVED 5m FROM DESIGNATED LOCATION. ROUTE CONDUIT FOR WORKSTATION DOWN CLOSEST COLUMN.

2. FIRE ALARM PROTECTION SHALL BE PROVIDED CONTINUOUSLY EXCEPT WHERE LIMITED SYSTEM DOWNTIME IS PERMITTED AS DETAILED IN THE SPECIFICATION. PROVIDE RACKS FOR TEMPORARILY MOUNTING THE NEW FIRE ALARM SYSTEM WHILE THE EXISTING SYSTEM IS BEING TRANSFERRED. COMPLETELY REMOVE THE OLD FIRE ALARM CABINET. PROVIDE RELAY INTERFACES BETWEEN THE EXISTING AND NEW SYSTEMS TO ENSURE CONTINUOUS FULL ANNUNCIATION OF ALL MONITORED POINTS.

NOTES

A. BUILDING LU24 IS WIRED IN CLASS A CONFIGURATION. RETAIN CLASS A CONFIGURATION, DO NOT CONVERT TO CLASS B.





- DRAWING NOTES**
- ① EXISTING 610mm VERTICAL CABLE TRAY FOR LOW TENSION WIRING.
 - ② FIRE ALARM RELAY MODULE, CONTACTOR AND RELAY TO DE-ENERGIZE THE RANGE AND RANGE HOOD FAN UPON ACTIVATION OF THE RANGE HOOD SPRINKLER. THERE IS ONE SET OF CONTACTORS AND CONTROLS FOR EACH RANGE. A TOTAL OF SIX CONTACTORS/CONTROLS ON THIS FLOOR. USE LOW VOLTAGE OUTPUT (24 V OR BELOW) FROM THE FIRE ALARM CONTROL MODULE TO INTERFACE TO THE CONTACTOR/CONTROL WIRING. DO NOT USE 120V THROUGH THE FIRE ALARM CONTROL MODULE. PROVIDE NEW CONTACTORS WITH LOW VOLTAGE COILS, LOW VOLTAGE POWER SUPPLY, IN-CEILING-MOUNTED ENCLOSURE AND ALL CONTROLS.
 - ③ CHANGE TO SMOKE/CO DETECTOR COMPLETE WITH SOUNDER BASE. EXISTING DEVICE IN THE CORRIDOR IS A SMOKE DETECTOR. EXISTING DEVICE IN THE ELECTRICAL/MECHANICAL ROOM IS A SMOKE/CO DETECTOR.

Unit LU24	50 Bed Living Unit - First Floor
100	Entrance
101	Common Area
102	Stair No. 2
103	Stair No. 3
104	Corridor
105	Meeting Room 1
106	Janitor Closet
107	Resident Entrance
108	B.F. Washroom
109	B.F. Washroom
111	Interview Room
112	Janitor Closet
114	Stair No. 1
115	Program Room
115a	Storage Room
116	Canteen
116a	Canteen Vestibule
117	Meeting Room 2
117a	Storage Room
119	Storage Room
120	Reception
125	Storage

Unit LU24 (North Wing)	50 Bed Living Unit - First Floor
N100	Living / Dining Room
N101-9	Bedrooms
N110	Mechanical/Electrical Room
N111	Laundry Room
N112	W/C
N113	B.F. W/C
N114	Kitchen
N115	Shower
N116	Corridor

Unit LU24 (East Wing)	50 Bed Living Unit - First Floor
E100	Living / Dining Room
E101	B.F. Bedroom
E102-8	Bedrooms
E110	Mechanical/Electrical Room
E111	Laundry Room
E112	W/C
E113	B.F. W/C
E114	Kitchen
E115	Shower
E116	Corridor

Unit LU24 (West Wing)	50 Bed Living Unit - First Floor
W100	Living / Dining Room
W101	B.F. Bedroom
W102-8	Bedrooms
W110	Mechanical/Electrical Room
W111	Laundry Room
W112	W/C
W113	B.F. W/C
W114	Kitchen
W115	Shower
W116	Corridor

BLDG LU24 - FIRST FLOOR PLAN
SCALE 1:100



Revision/Revision	Description/Description	Date/Date
5		
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2		
1	ISSUED FOR TENDER	20/NOV/2017
0	ISSUED FOR 100% REVIEW	09/OCT/2017

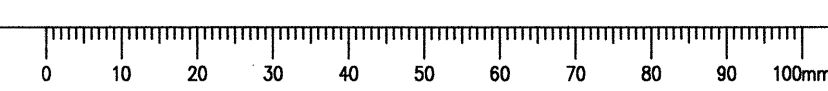
Client/client
CORRECTIONAL SERVICE CANADA

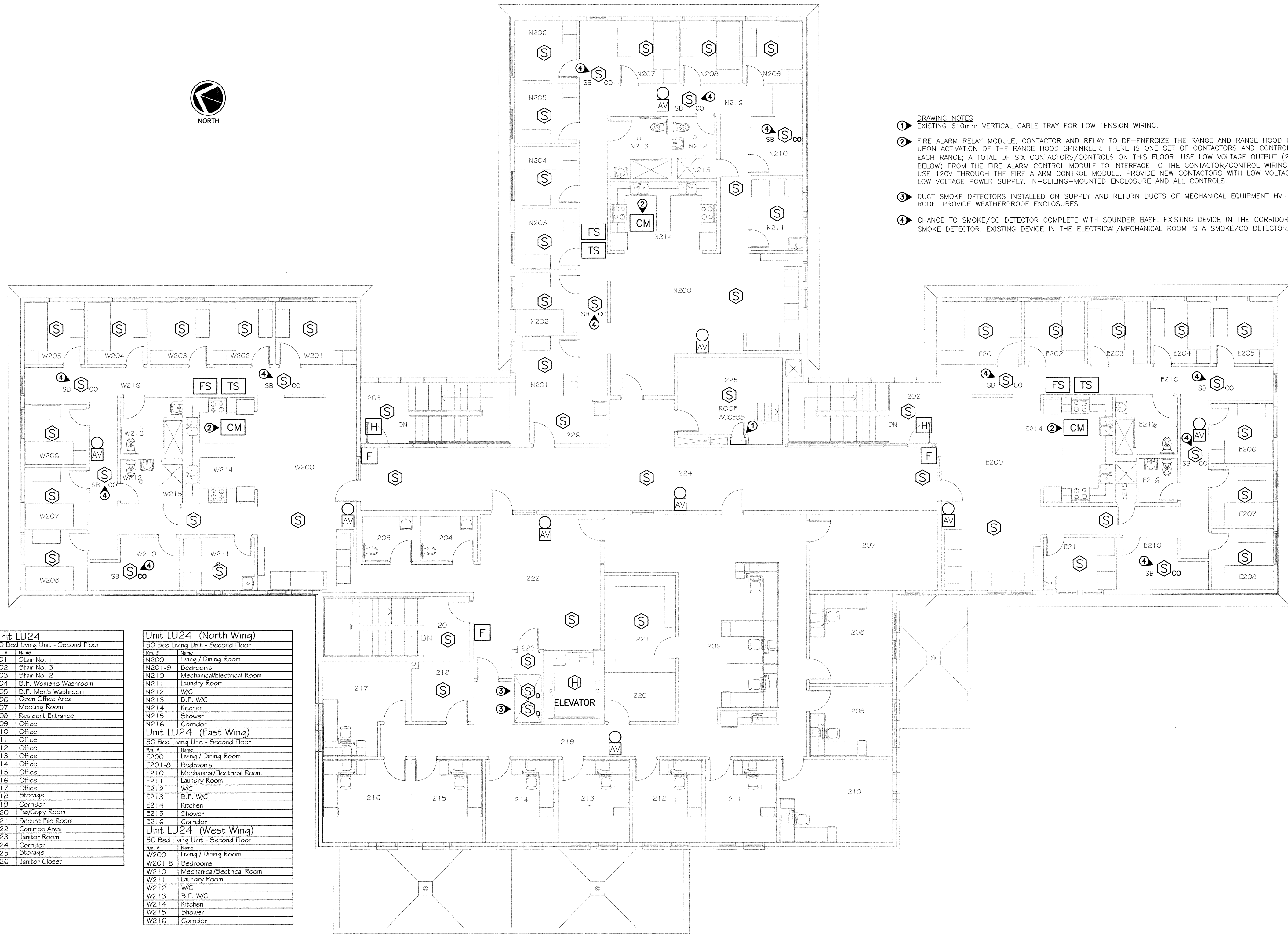
Project title/Titre du projet
MISSION MINIMUM INSTITUTION FIRE ALARM SYSTEM REPLACEMENT

Consultant Signature Box Only
Designed by/Concept par
Greg Robertshaw
Drawn by/Dessiné par
Steve Barfield
PWGSC Project Manager/Administrateur de Projets TPSGC
C. Lu

PWSSC Regional Manager, Architectural and Engineering Services/
Gestionnaire régionale, Services d'architectural et de génie,
P. Paul
Drawing title/Titre du dessin
FLOOR PLANS - GROUP H

Project No./No. du projet	Sheet/Fauille	Revision no./ no. Révision
R.082592.001	E-09 OF -	0

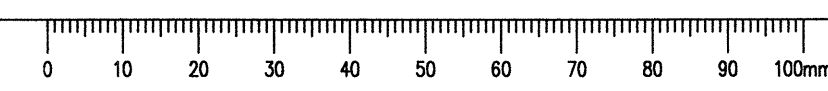




- DRAWING NOTES**
- EXISTING 610mm VERTICAL CABLE TRAY FOR LOW TENSION WIRING.
 - FIRE ALARM RELAY MODULE, CONTACTOR AND RELAY TO DE-ENERGIZE THE RANGE AND RANGE HOOD FAN UPON ACTIVATION OF THE RANGE HOOD SPRINKLER. THERE IS ONE SET OF CONTACTORS AND CONTROLS FOR EACH RANGE; A TOTAL OF SIX CONTACTORS/CONTROLS ON THIS FLOOR. USE LOW VOLTAGE OUTPUT (24 V OR BELOW) FROM THE FIRE ALARM CONTROL MODULE TO INTERFACE TO THE CONTACTOR/CONTROL WIRING. DO NOT USE 120V THROUGH THE FIRE ALARM CONTROL MODULE. PROVIDE NEW CONTACTORS WITH LOW VOLTAGE COILS, LOW VOLTAGE POWER SUPPLY, IN-CEILING-MOUNTED ENCLOSURE AND ALL CONTROLS.
 - DUCT SMOKE DETECTORS INSTALLED ON SUPPLY AND RETURN DUCTS OF MECHANICAL EQUIPMENT HV-1 ON ROOF. PROVIDE WEATHERPROOF ENCLOSURES.
 - CHANGE TO SMOKE/CO DETECTOR COMPLETE WITH SOUNDER BASE. EXISTING DEVICE IN THE CORRIDOR IS A SMOKE DETECTOR. EXISTING DEVICE IN THE ELECTRICAL/MECHANICAL ROOM IS A SMOKE/CO DETECTOR.

Room #	Name	Room #	Name
201	Stair No. 1	N200	Living / Dining Room
202	Stair No. 3	N201-9	Bedrooms
203	Stair No. 2	N210	Mechanical/Electrical Room
204	B.F. Women's Washroom	N211	Laundry Room
205	B.F. Men's Washroom	N212	W/C
206	Open Office Area	N213	B.F. W/C
207	Meeting Room	N214	Kitchen
208	Resident Entrance	N215	Shower
209	Office	N216	Corridor
210	Office	Unit LU24 (East Wing)	
211	Office	50 Bed Living Unit - Second Floor	
212	Office	Room # Name	
213	Office	E200	Living / Dining Room
214	Office	E201-8	Bedrooms
215	Office	E210	Mechanical/Electrical Room
216	Office	E211	Laundry Room
217	Office	E212	W/C
218	Storage	E213	B.F. W/C
219	Corridor	E214	Kitchen
220	Fan/Copy Room	E215	Shower
221	Secure File Room	E216	Corridor
222	Common Area	Unit LU24 (West Wing)	
223	Janitor Room	50 Bed Living Unit - Second Floor	
224	Corridor	Room # Name	
225	Storage	W200	Living / Dining Room
226	Janitor Closet	W201-8	Bedrooms
		W210	Mechanical/Electrical Room
		W211	Laundry Room
		W212	W/C
		W213	B.F. W/C
		W214	Kitchen
		W215	Shower
		W216	Corridor

BLDG LU24 - SECOND FLOOR PLAN
SCALE 1:100



Revision/Revision	Description/Description	Date/Date
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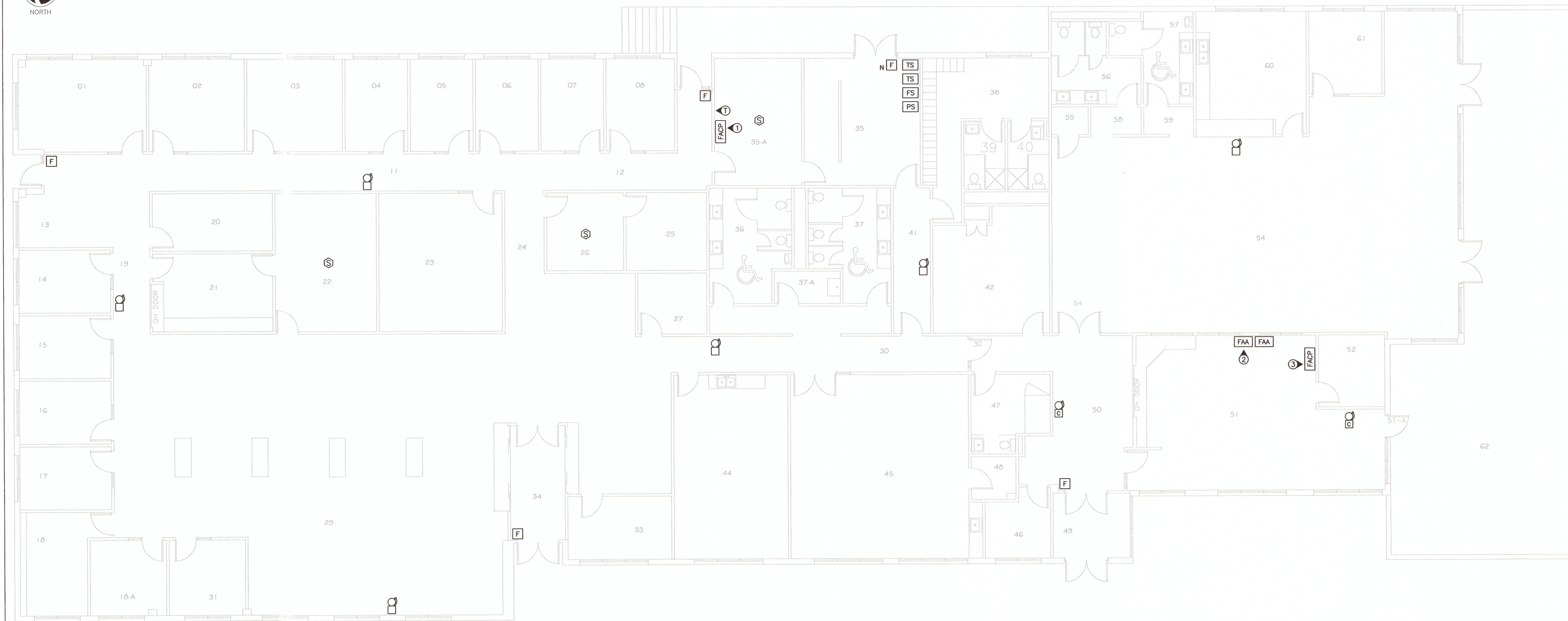
Project title/Titre du projet
MISSION MINIMUM INSTITUTION FIRE ALARM SYSTEM REPLACEMENT

Consultant Signature Box Only
Designed by/Concept par
Greg Robertshaw
Drawn by/Dessiné par
Steve Barfield
PWGSC Project Manager/Administrateur de Projets TPSGC
C. Lu
PWGSC Regional Manager, Architectural and Engineering Services/
Gestionnaire régionale, Services d'architecture et de génie, TPSGC
P. Paul

Drawing title/Titre du dessin
FLOOR PLANS - GROUP I

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
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Unit 1			
Unit #	Name	Room #	Name
01	Warden	33	Corican Operations Manager
02	Assistant Warden Management Services	34	Vestibule
03	Institutional Parole Officer	35	Mechanical
04	Institutional Parole Officer	35a	Electrical Room
05	Institutional Parole Officer	36	B.F. Mens Room
06	Institutional Parole Officer	37	B.F. Womens Room
07	Institutional Parole Officer	37a	Janitor Room
08	Institutional Parole Officer	38	Change Room
11	Corridor	39	Womens Room
12	Corridor	40	Mens Room
13	Work Station	41	Corridor
14	Institutional Parole Officer	42	Correctional Supervisor
15	Institutional Transfer Coordinator	44	Staff Lounge
16	Institutional Parole Officer	45	Conference Room
17	Chief Admn. Services	46	Correctional Officers / Union
18	Chief of Finance	47	Urnalysis
18a	Institutional Parole Officer	48	Washroom
19	Corridor	49	Vestibule
20	Storage Room	50	Waiting Room
21	Mail Room	51	Deputy Office
22	File Room	52	Coffee Room
23	Board Room	54	Vests
24	Corridor	55	Storage Room
25	VAX Room	56	Womens Room
26	Information tech.	57	B.F. Mens Room
27	Secure Room	58	Washroom Vestibules
29	General Office	59	Washroom Vestibules
30	Corridor	60	Inmate Computer Room
31	Coordinator case Management	61	Interview room
		62	Patio

BLDG 1- DUTY OFFICE, ADMINISTRATION, CASE MANAGEMENT, V&C FLOOR PLAN
SCALE 1:100

- DRAWING NOTES**
- LOCATION OF EXISTING NETWORK PANEL AND LOCATION OF NEW MAIN NETWORK PANEL. REMOVE SMALL SECTION OF PLYWOOD OFF OF WALL AND INSTALL PULLBOXES OVER TWO EXISTING 103mm PVC FIRE ALARM CONDUITS ROUTED FROM THE SITE.
 - REMOVE TWO FIRE ALARM COMPUTER DISPLAYS, UPS AND FIRE ALARM COMPUTER. NO NEW EQUIPMENT TO BE LOCATED AT THIS LOCATION.
 - REMOVE EXISTING ANNUNCIATOR/CONTROLS AND FIRE ALARM PRINTER. WALL-MOUNT NEW MAIN NETWORK SYSTEM LCD ANNUNCIATOR AND ASSOCIATED LED ANNUNCIATOR AT THIS LOCATION. MOUNT BUILDING-1 CONTROL PANEL AT THIS LOCATION. REFER TO PHOTO ON THIS DRAWING.

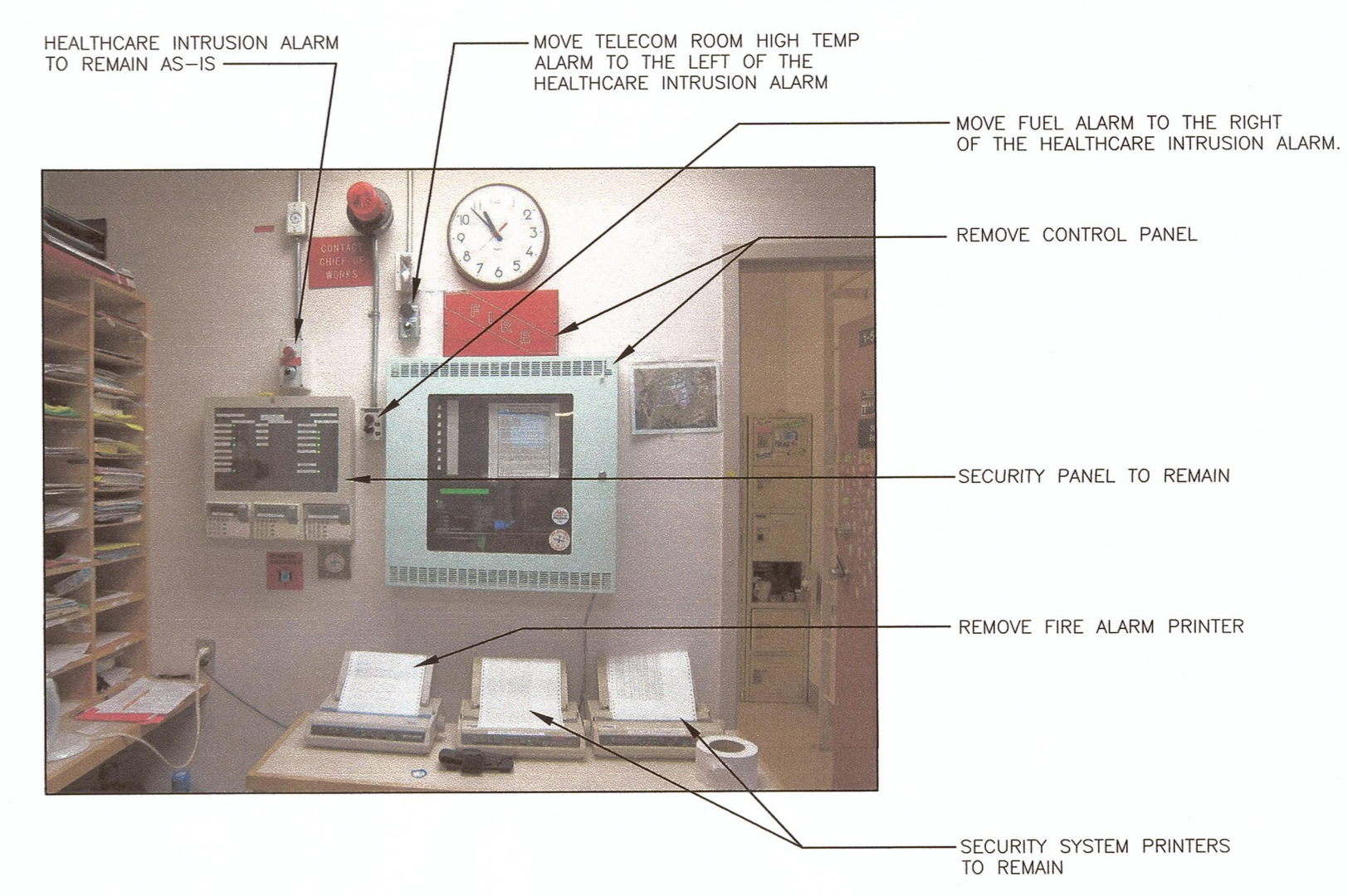
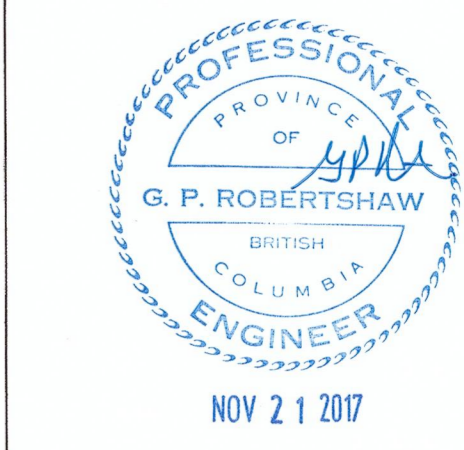


PHOTO - ROOM 51 - CONTROL STATION

NOTES
A. LOCATE TELECOM ROOM HIGH TEMP ALARM, FUEL ALARM AND HEALTHCARE INTRUSION ALARM IN A ROW JUST ABOVE THE SECURITY PANEL.



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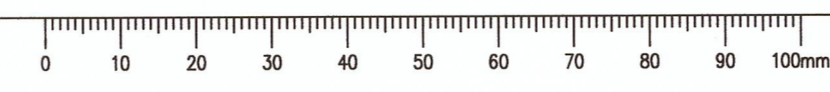
Client/Client: **CORRECTIONAL SERVICE CANADA**

Project Title/Titre du projet: **MISSION MINIMUM INSTITUTION FIRE ALARM SYSTEM REPLACEMENT**

Consultant Signature Box Only
Designed by/Concept par: **Greg Robertshaw**
Drawn by/Designe par: **Steve Barfield**
PWGSC Project Manager/Administrateur de Projets TPSGC: **C. LU**
PWGSC Regional Manager, Architectural and Engineering Services/Gestionnaire régionale, Services d'architecture et de génie, TPSGC: **P. PAUL**

Drawing Title/Titre du dessin: **FLOOR PLANS - GROUP J**

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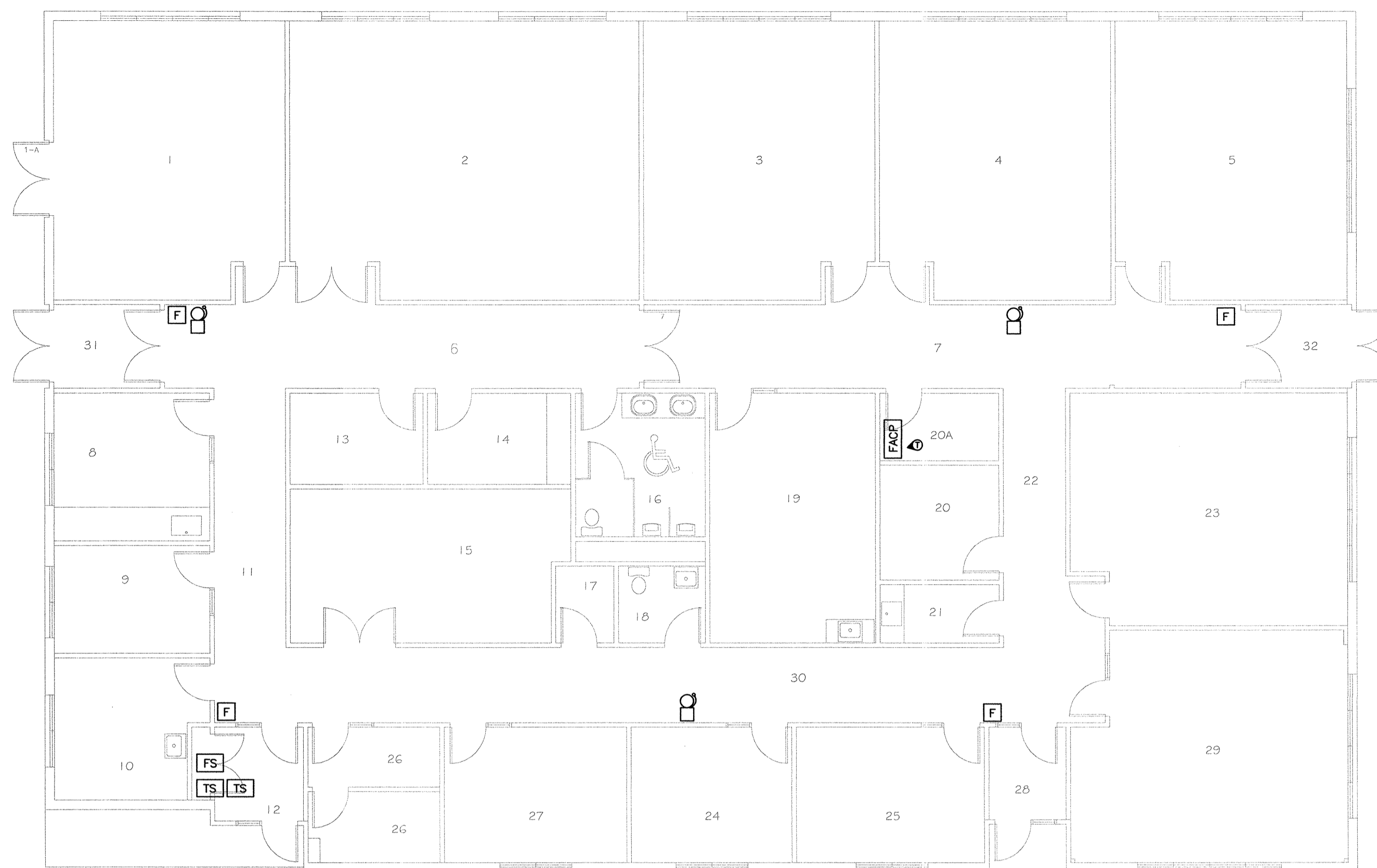




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Unit 2	
No. #	Name
1	Arts & Crafts
2	Arts & Crafts
3	Classroom
4	Classroom
5	Classroom
6	Corridor
7	Corridor
8	Arts & Crafts
9	Inmate Committee Office
10	Barber Shop
11	Corridor
12	Vestibule
13	Finished Product Storage
14	Tool Room
15	Mechanical Room
16	B.F. Male Washroom
17	Inmate Committee Storage
18	Female Washroom
19	Programs
20	Pop Shop
20a	Electrical Room
21	Janitors Room
22	Corridor
23	Library
24	Social Development
25	CC Programs
26	Tool Storage
27	Social Development
28	Vestibule
29	Computer Training Classroom
30	Corridor
31	Vestibule
32	Vestibule



BLDG 2 - ACTIVITY FLOOR PLAN
SCALE 1:100



KITCHEN HOOD FIRE SUPPRESSION SYSTEM

- DRAWING NOTES**
- ① TAMPER SWITCHES ARE FOR THE FREEZER SPRINKLER PIPING.
 - ② RECONNECT KITCHEN HOOD FIRE SUPPRESSION SYSTEM TO FIRE ALARM SYSTEM.

BLDG 3 - INSTITUTIONAL SERVICES, COMMISSARY, DINING ROOM FLOOR PLAN
SCALE 1:100

Unit 3	
No. #	Name
1	Dining Area
2	Dishwasher
3	Bathroom
4	Office
5	Vestibule
6	Vestibule
7	Commissary
8	Freezer
9	Cooler
10	Loading Bay
11	Institutional Storage
12	Storage
13	Material Services Management
14	Work Station
15	Vestibule
16	Vestibule
17	Cartoon Storage
18	Canteen
19	Male Washroom
20	Cleaning Supplies & Bedding
21	Corcan Clothing Room
22	Washroom
23	Mechanical Room
24	Laundry Room
25	Vestibule
26	Tools Room
27	Janitors Room
28	A&D Office & Photo Room
29	Corridor
30	Security Storage
31	Corcan Supervisor
32	Office
33	Female Washroom
34	Office area
35	Meeting / Coffee Room

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Consultant Signature Box Only

Designed by/Concept par
Greg Robertshaw

Drawn by/Dessiné par
Steve Bartfield

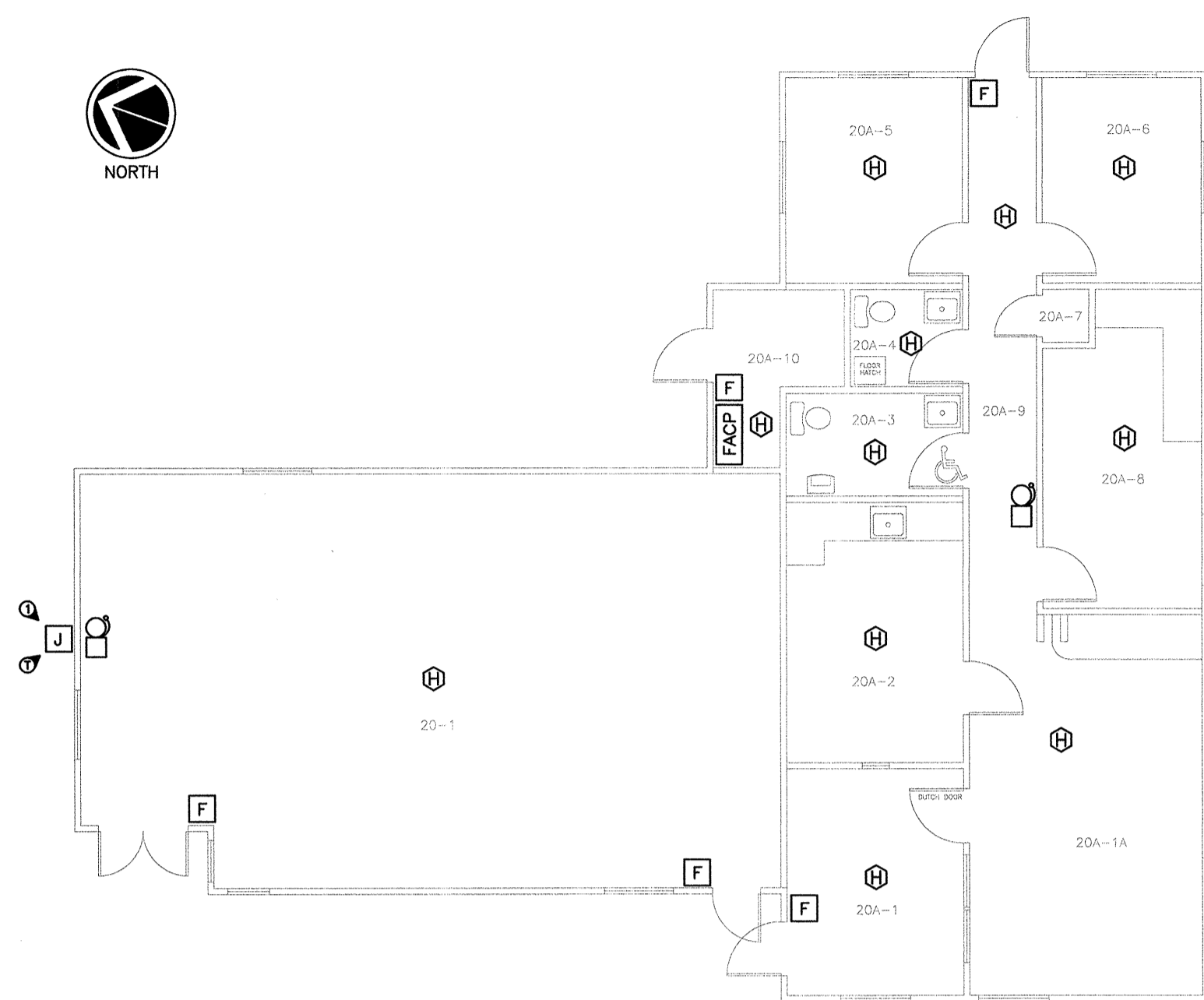
PWGSC Project Manager/Administrateur de Projets TPSGC
C. Lu

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P. Paul

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FLOOR PLANS - GROUP K

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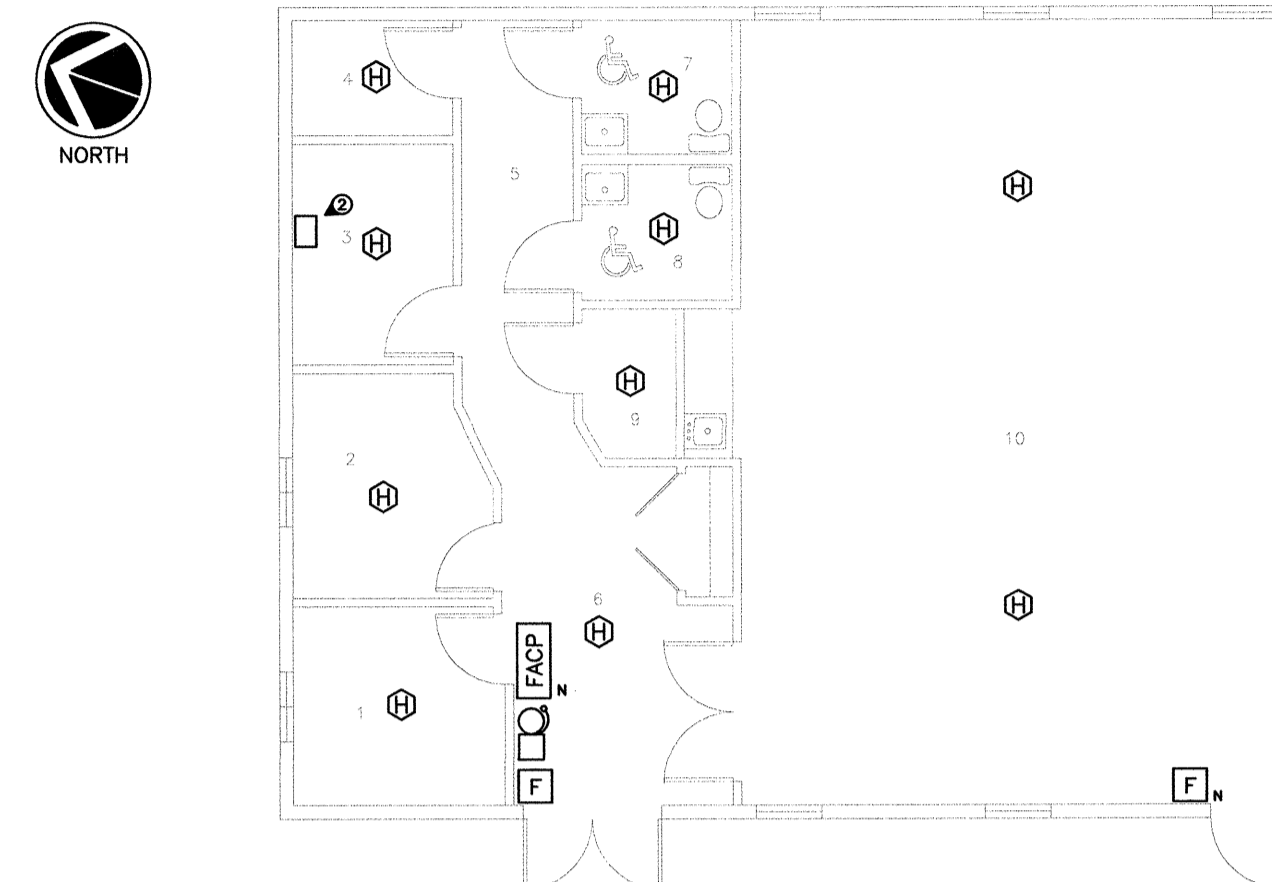


Unit 20 # 20a	
Rm. #	Name
20-1	Weight Room
20a-1	Waiting Room
20a-1a	Office / File Room
20a-2	Pharmacy
20a-3	B.F. Unnalysis/Inmate Wash Rm.
20a-4	Staff Bath
20a-5	Office
20a-6	Office
20a-7	Janitors Closet
20a-8	Treatment Room
20a-9	Corridor
20a-10	Mechanical Room

BLDG 20-20a - STAFF TRAINING, HEALTH SERVICES FLOOR PLAN

SCALE 1:100

DRAWING NOTES
 ① LOCATION OF EXISTING 200 X 200 X 100 STEEL FIRE ALARM PULL BOX. PULL BOX IS CONNECTED TO SITE CONDUIT SYSTEM VIA DEDICATED 53mm FIRE ALARM CONDUIT. EXISTING WIRING TO SITE FIRE ALARM SYSTEM INCLUDES 2 X #8 (DISCONNECTED WITHIN THIS BOX) AND RED 5C FIRE ALARM CABLE. PROVIDE REPLACEMENT LAMICOID LABEL MECHANICALLY FASTENED TO PULLBOX COVER "FIRE ALARM". REMOVE EXISTING CONDUCTORS TO SITE FIRE ALARM SYSTEM. PROVIDE EMT CONDUIT FROM THIS BOX TO ROOM 20A-10 FOR THE FIRE ALARM FIBRE OPTIC CABLE.



Unit 23	
Rm. #	Name
Chapel - First Floor	
1	Chaplain's Office
2	Chaplain's Office
3	Mechanical Room
4	Janitors Room
5	Corridor
6	Corridor
7	B.F. Male Washroom
8	B.F. Female Washroom
9	Storage Room
10	Activities Room

BLDG 23 - CHAPEL FLOOR PLAN

SCALE 1:100

DRAWING NOTES
 ① LOCATION OF EXISTING 200 X 200 X 100 PVC FIRE ALARM PULL BOX (EAST PULL BOX). PULL BOX IS CONNECTED TO SITE CONDUIT SYSTEM VIA DEDICATED 53mm FIRE ALARM CONDUIT. EXISTING WIRING TO SITE FIRE ALARM SYSTEM INCLUDES 2 X #8 (BELL) + RED 1 PR #16 FIRE ALARM CABLE (DEVICE). PROVIDE LAMICOID LABEL GLUED TO PULLBOX COVER "FIRE ALARM". REMOVE EXISTING CONDUCTORS TO SITE FIRE ALARM SYSTEM. PROVIDE AN EMT CONDUIT FROM THIS BOX TO THE NEW FIRE ALARM PANEL FOR THE FIBRE OPTIC CABLE.
 ② LOCATION OF POWER PANELBOARD. PROVIDE A DEDICATED CIRCUIT TO THE NEW FIRE ALARM PANEL.



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Drawn by/Dessiné par
Steve Bartfield

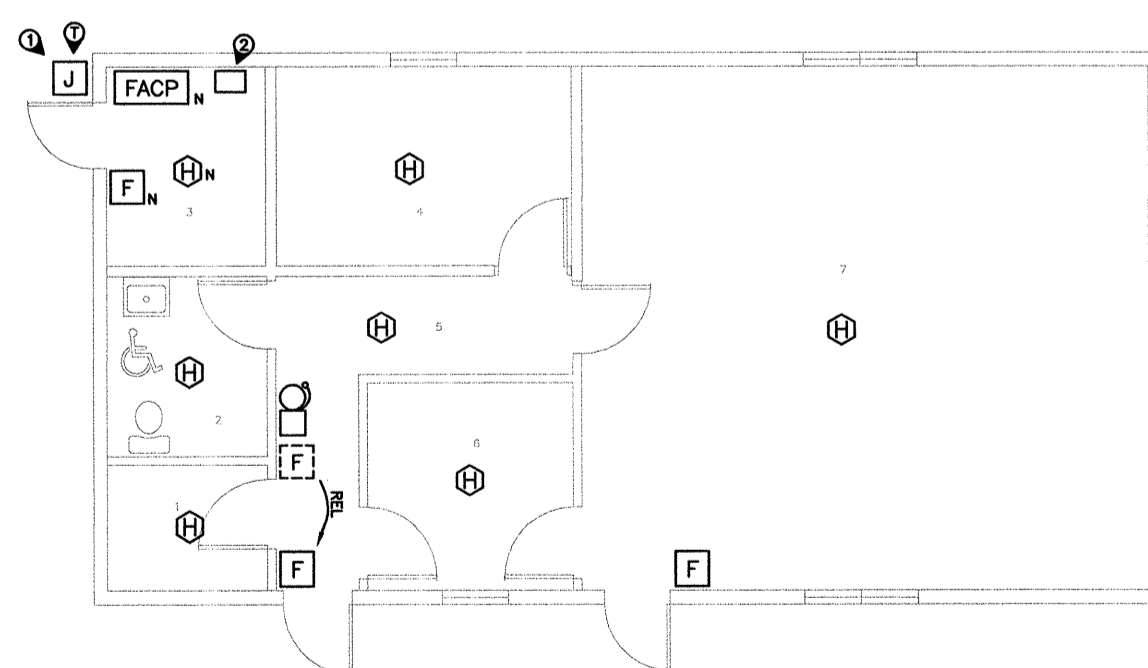
PWGSC Project Manager/Administrateur de Projets TPSGC
C. Lu

PWGSC Regional Manager, Architectural and Engineering Services/
Gestionnaire régional, Services d'architecture et de génie, TPSGC
P. Paul

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FLOOR PLANS - GROUP L

Project No./No. du projet	Sheet/Fauille	Revision no./ no. de révision
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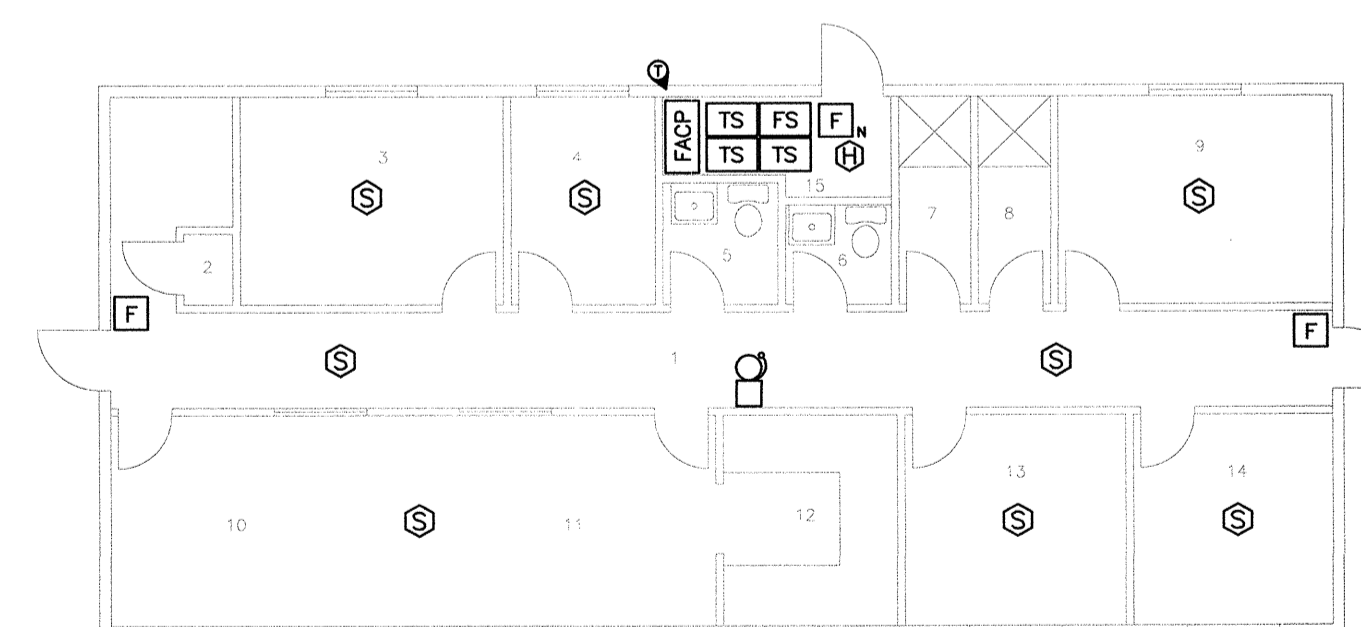


Unit 24		
Rm. #	Name	Area, m ²
1	Storage Room	4.4
2	B.F. Washroom	5.9
3	Mechanical Room	6.8
4	Deliberation Room	11.7
5	Corridor	9.4
6	Inmate Waiting Room	8.4
7	Conference Room	56.5

BLDG 24 - MULTI-PURPOSE FLOOR PLAN

SCALE 1:100

DRAWING NOTES
 ① LOCATION OF EXISTING 200 X 200 X 100 PVC COMMUNICATIONS PULL BOX. PULL BOX IS CONNECTED TO SITE CONDUIT SYSTEM VIA DEDICATED 53mm FIRE ALARM CONDUIT. EXISTING WIRING TO SITE FIRE ALARM SYSTEM INCLUDES 2 X #8 (BELL) AND RED 2C SHIELDED FIRE ALARM CABLE (DEVICES). PROVIDE LAMICOID LABEL GLUED TO PULLBOX COVER "FIRE ALARM". REMOVE EXISTING CONDUCTORS TO SITE FIRE ALARM SYSTEM. PROVIDE EMT CONDUIT FROM THIS BOX TO THE FIRE ALARM PANEL FOR THE FIBRE OPTIC CABLE.
 ② LOCATION OF POWER PANELBOARD. PROVIDE DEDICATED CIRCUIT FOR THE FIRE ALARM PANEL.



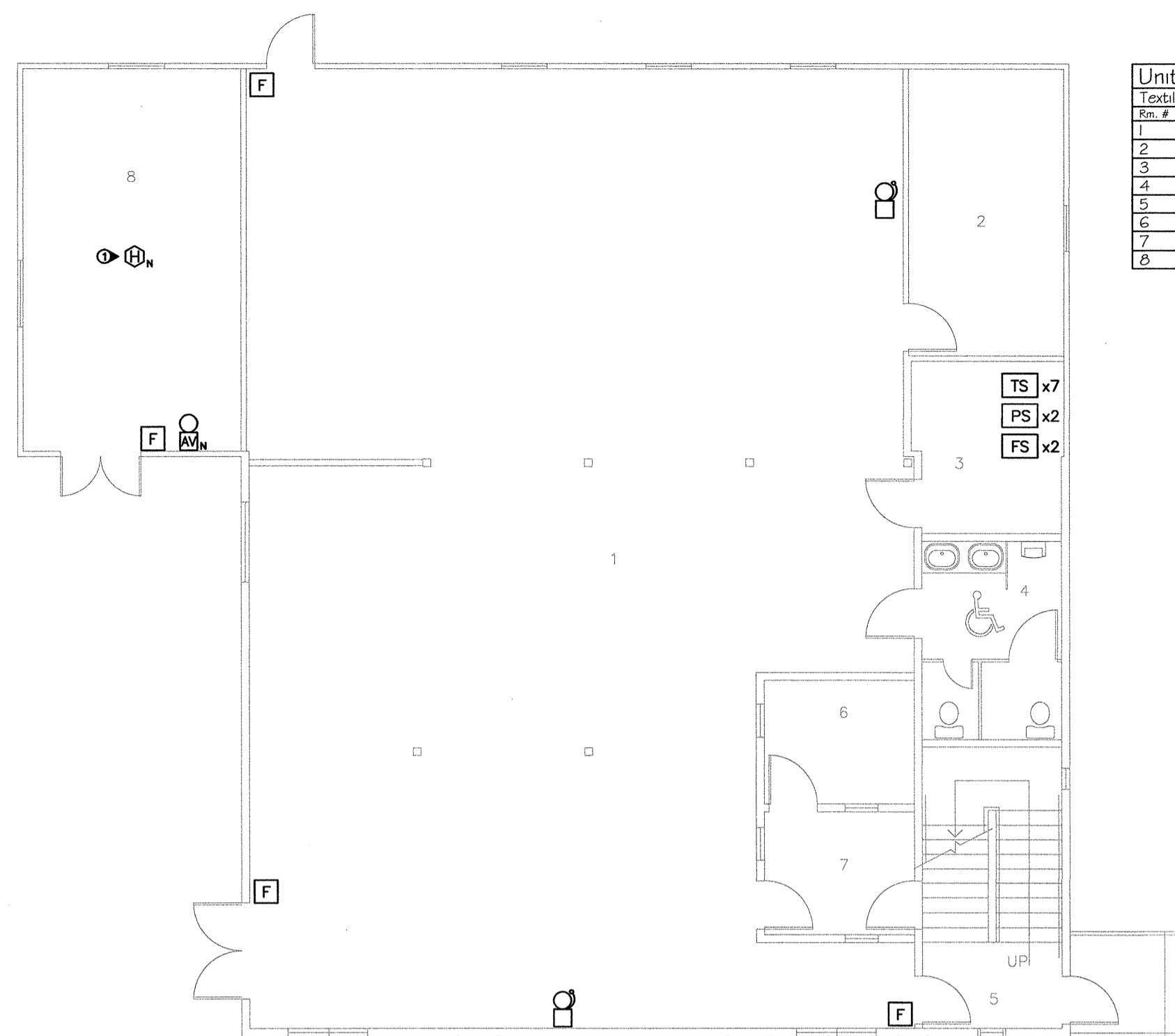
Unit 27	
Rm. #	Name
Psychology Building - First Floor	
1	Corridor
2	Closet
3	Office Clerical
4	Office
5	Washroom
6	Washroom
7	Shower
8	Shower
9	Office Psychologist
10	Conference Room
11	Programs Delivery
12	Kitchen
13	Office Psychologist
14	Office Psychologist
15	Furnace Room

BLDG 27 - PSYCHOLOGY FLOOR PLAN

SCALE 1:100

NOTES
 A. CHANGE ALL SMOKE DETECTORS TO HEAT DETECTORS.

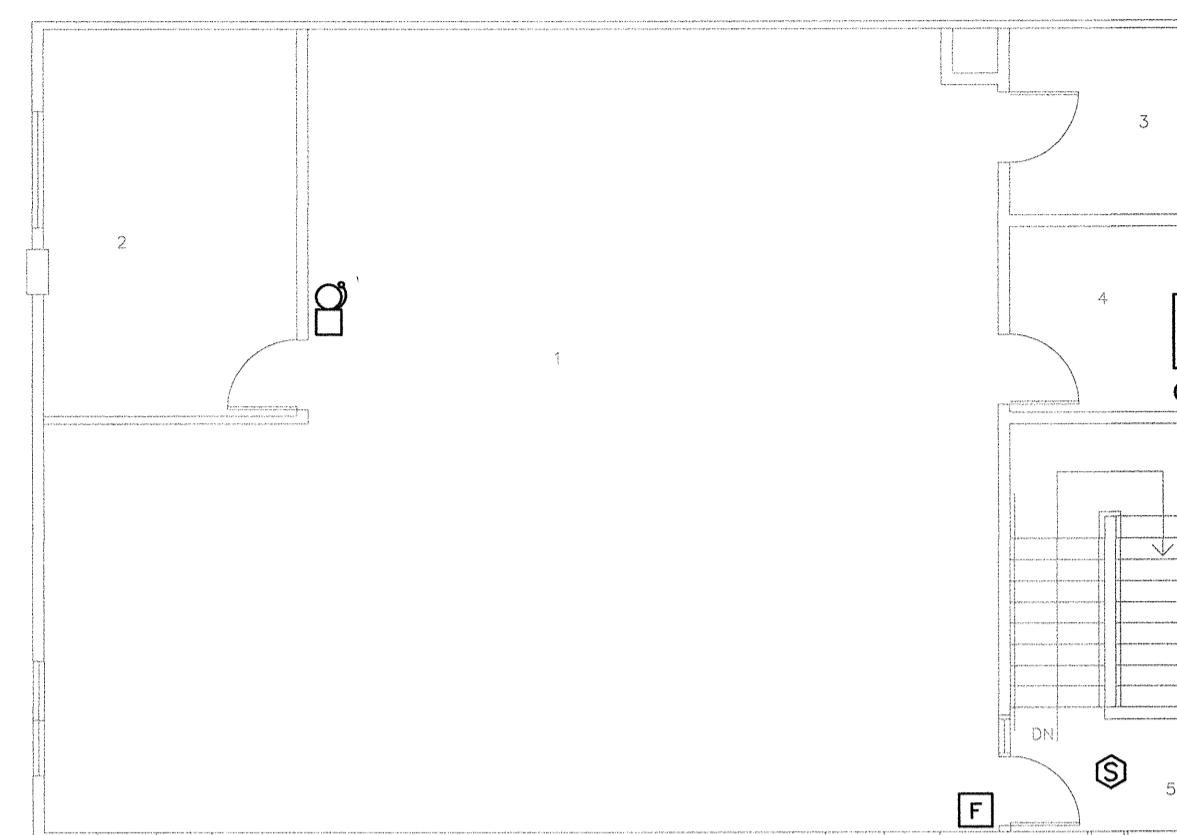




Unit 21	
Textiles - First Floor	
Rm. #	Name
1	Textile Area
2	Cutting Room
3	Sprinkler Room
4	B.F. Washroom
5	Vestibule
6	Office
7	Office - Corcan Supervisor
8	Electrical Room

BLDG 21 - TEXTILE SHOP FIRST FLOOR PLAN
SCALE 1:100

- DRAWING NOTES**
- NEW FIXED TEMPERATURE HEAT DETECTOR. DO NOT USE RATE OF RISE HEAT DETECTOR.
- NOTES**
- A. PROVIDE SURFACE-MOUNTED EMT CONDUIT FOR ALL NEW FIRE ALARM WIRING WITHIN ROOM 8.



Unit 21	
Textiles - Second Floor	
Rm. #	Name
1	Storage Area
2	Finishing & Cutting Room
3	Mechanical Room
4	Electrical Room
5	Vestibule

BLDG 21 - TEXTILE SHOP SECOND FLOOR PLAN

SCALE 1:100



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Consultant Signature Box Only

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Greg Robertshaw

Drawn by/Dessiné par
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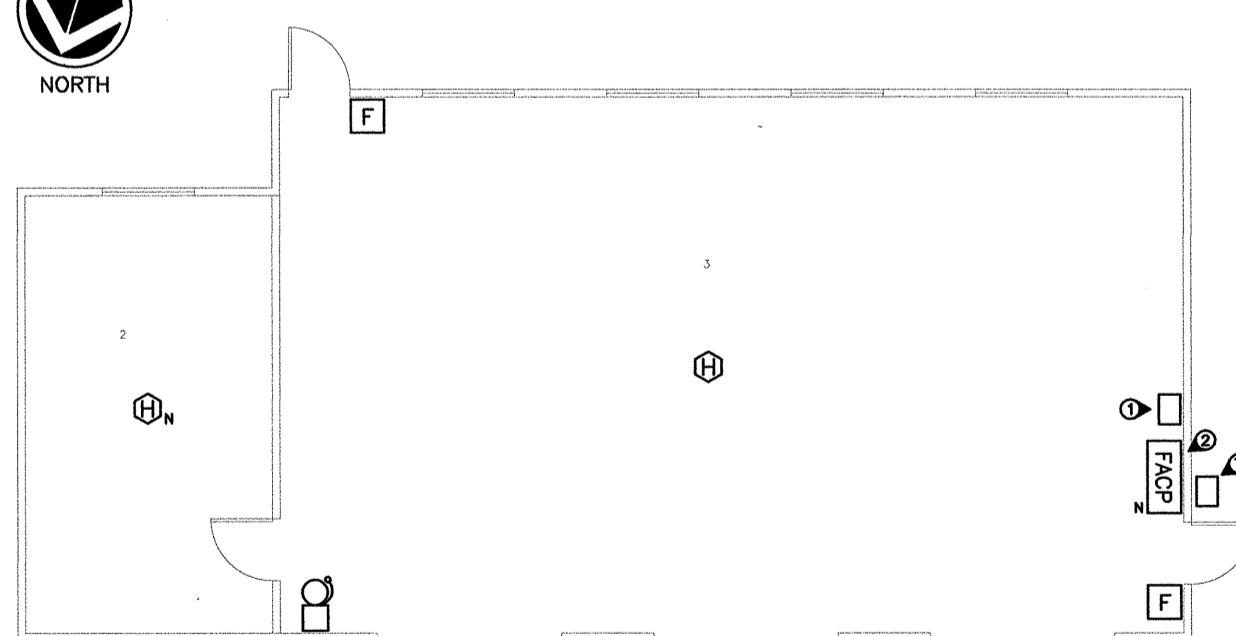
PWGSC Project Manager/Administrateur de Projets TPSGC
C. Lu

PWGSC, Regional Manager, Architectural and Engineering Services/
Gestionnaire régionale, Services d'architecture et de génie, TPSGC
P. Paul

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FLOOR PLANS - GROUP M

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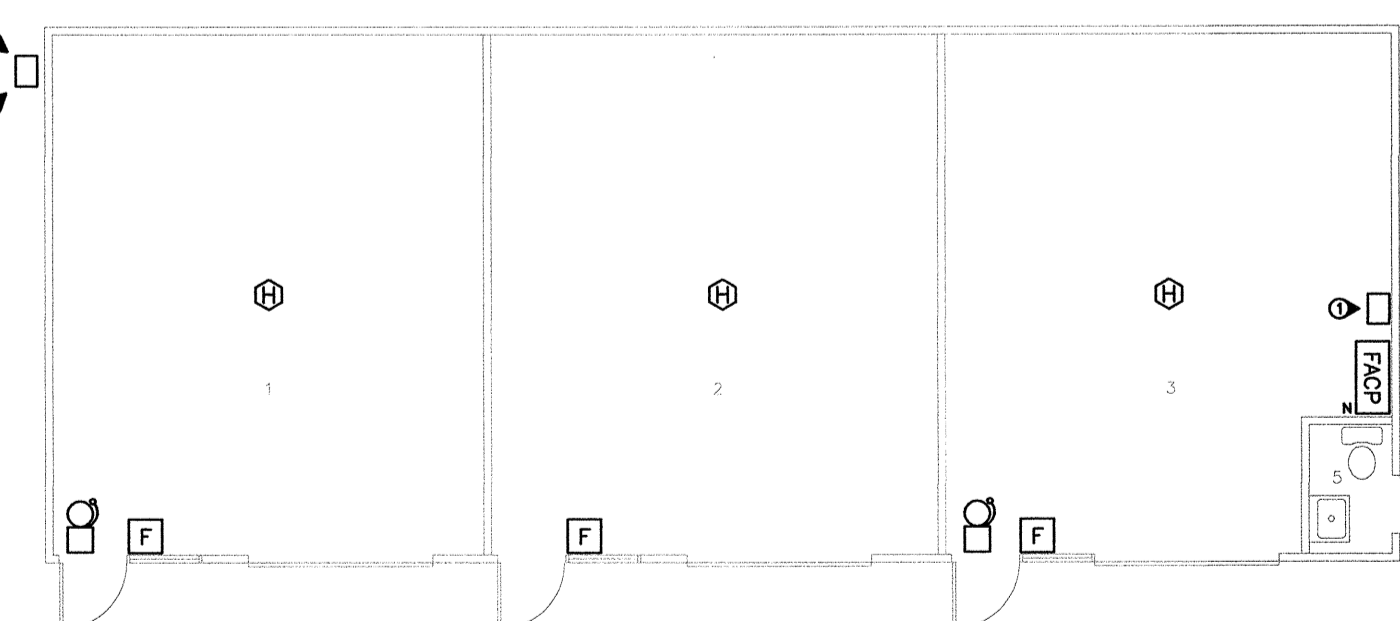


Unit 10	
Carpenter Shop - First Floor	
Rm. #	Name
1	Storage
2	Storage
3	Carpentry Shop

BLDG 10 - CARPENTRY SHOP FLOOR PLAN

SCALE 1:100

- DRAWING NOTES**
- LOCATION OF EXISTING POWER PANEL - PROVIDE NEW CIRCUIT TO NEW FIRE ALARM PANEL.
 - FIRE ALARM NETWORK CABLING IS ROUTED FROM A 53mm UNDERGROUND CONDUIT TO A BOX MOUNTED ON THE EXTERIOR WALL AND THEN UP THE EXTERIOR WALL TO A WEATHERHEAD, THEN THROUGH THE ATTIC SPACE. REMOVE EXISTING FIRE ALARM NETWORK CABLING AND WEATHERHEAD. REPLACE PULL BOX WITH TYPE 3 ALUMINUM PULL BOX. PROVIDE LAMICOID LABEL MECHANICALLY FASTENED TO PULLBOX COVER "FIRE ALARM". REMOVE EXISTING CONDUCTORS TO SITE FIRE ALARM SYSTEM. PROVIDE EMT CONDUIT TO NEW FIRE ALARM PANEL FROM THIS LOCATION.
- NOTES**
- A. EXISTING FIRE ALARM WIRING INSIDE THE BUILDING IS A MIX OF SURFACE-MOUNTED AC90 ARMoured CABLE, SURFACE-MOUNTED CONDUIT AND OTHER WIRING METHODS. REMOVE ALL EXISTING SURFACE-MOUNTED WIRING AND CONDUITS. PROVIDE ALL NEW SURFACE-MOUNTED EMT CONDUIT AND CABLING.

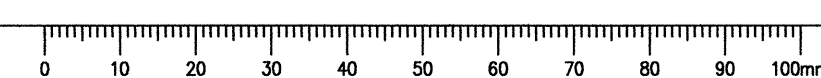


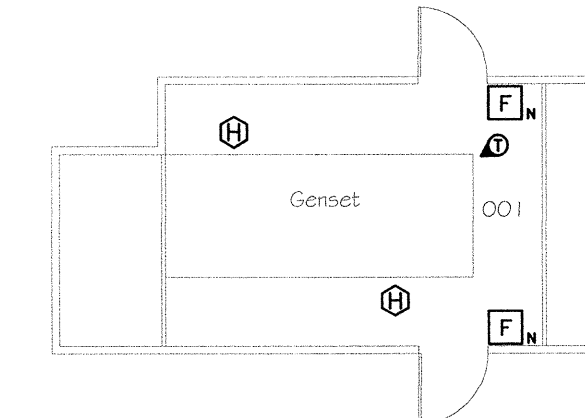
Unit 35	
Workshop Building - First Floor	
Rm. #	Name
1	Electrical / Paint Shop
2	Grounds Shop
3	Corcan Textile Storage
5	Washroom

BLDG 35 - WORKSHOP FLOOR PLAN

SCALE 1:100

- DRAWING NOTES**
- LOCATION OF EXISTING POWER PANEL - PROVIDE NEW CIRCUIT TO NEW FIRE ALARM PANEL.
 - FIRE ALARM NETWORK CABLING IS ROUTED FROM A 53mm UNDERGROUND CONDUIT TO A BOX MOUNTED ON THE EXTERIOR WALL AND THEN UP THE EXTERIOR WALL TO A WEATHERHEAD, THEN THROUGH THE CEILING SPACE. CUT OFF ANY CONCEALED FIRE ALARM NETWORK CABLING, REMOVE EXPOSED CABLING/CONDUIT AND REMOVE WEATHERHEAD. REPLACE PULL BOX WITH TYPE 3 ALUMINUM PULL BOX. PROVIDE LAMICOID LABEL MECHANICALLY FASTENED TO PULLBOX COVER "FIRE ALARM". REMOVE EXISTING CONDUCTORS TO SITE FIRE ALARM SYSTEM. PROVIDE EMT CONDUIT TO NEW FIRE ALARM PANEL FROM THIS LOCATION.
- NOTES**
- A. EXISTING FIRE ALARM WIRING INSIDE THE BUILDING IS A MIX OF CONCEALED CABLE, SURFACE-MOUNTED AC90 ARMoured CABLE, SURFACE-MOUNTED CONDUIT AND OTHER WIRING METHODS. REMOVE ALL EXISTING SURFACE-MOUNTED WIRING AND CONDUITS. PROVIDE ALL NEW SURFACE-MOUNTED EMT CONDUIT AND CABLING.





Unit 44
Emergency Generator - First Floor
Rs. # Name
OO1 Generator

BLDG 44 - GENERATOR FLOOR PLAN
SCALE 1:100



Unit 28
Equipment Shed - First Floor
Rs. # Name
1 Storage
2 Factor Storage
3 Workshop
6 Office Furniture
8 Storage

BLDG 28 - EQUIPMENT STORAGE FIRST FLOOR PLAN
SCALE 1:100

- DRAWING NOTES**
- ① LOCATION OF EXISTING 150 X 150 X 100 STEEL FIRE ALARM PULL BOX. PULL BOX IS CONNECTED TO SITE CONDUIT SYSTEM VIA DEDICATED 53mm FIRE ALARM CONDUIT. EXISTING WIRING TO SITE FIRE ALARM SYSTEM INCLUDES 2 X #8 (BELL) + 2 X #8 (DEVICE) + 1 X #12 GREEN GROUND. REPLACE PULL BOX WITH TYPE 3 ALUMINUM PULL BOX. PROVIDE LAMICOID LABEL MECHANICALLY FASTENED TO PULLBOX COVER "FIRE ALARM". REMOVE EXISTING CONDUCTORS TO SITE FIRE ALARM SYSTEM. PROVIDE EMT CONDUIT TO NEW FIRE ALARM PANEL FROM THIS LOCATION.
 - ② CHANGE TO SMOKE DETECTOR.
 - ③ PROVIDE DOOR STOP PERMANENTLY FASTENED TO THE BUILDING TO ENSURE THE BUILDING DOORS DO NOT TOUCH THE FIRE ALARM PANEL. LOCATE THE PULL STATION TO ENSURE IT IS READILY ACCESSIBLE WITH THE EXTERIOR DOORS OPEN.
 - ④ LOCATION OF POWER PANELBOARD. PROVIDE A DEDICATED CIRCUIT TO THE NEW FIRE ALARM PANEL.



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PWSC Project Manager/Administrateur de Projets TPSGC
C. Liu

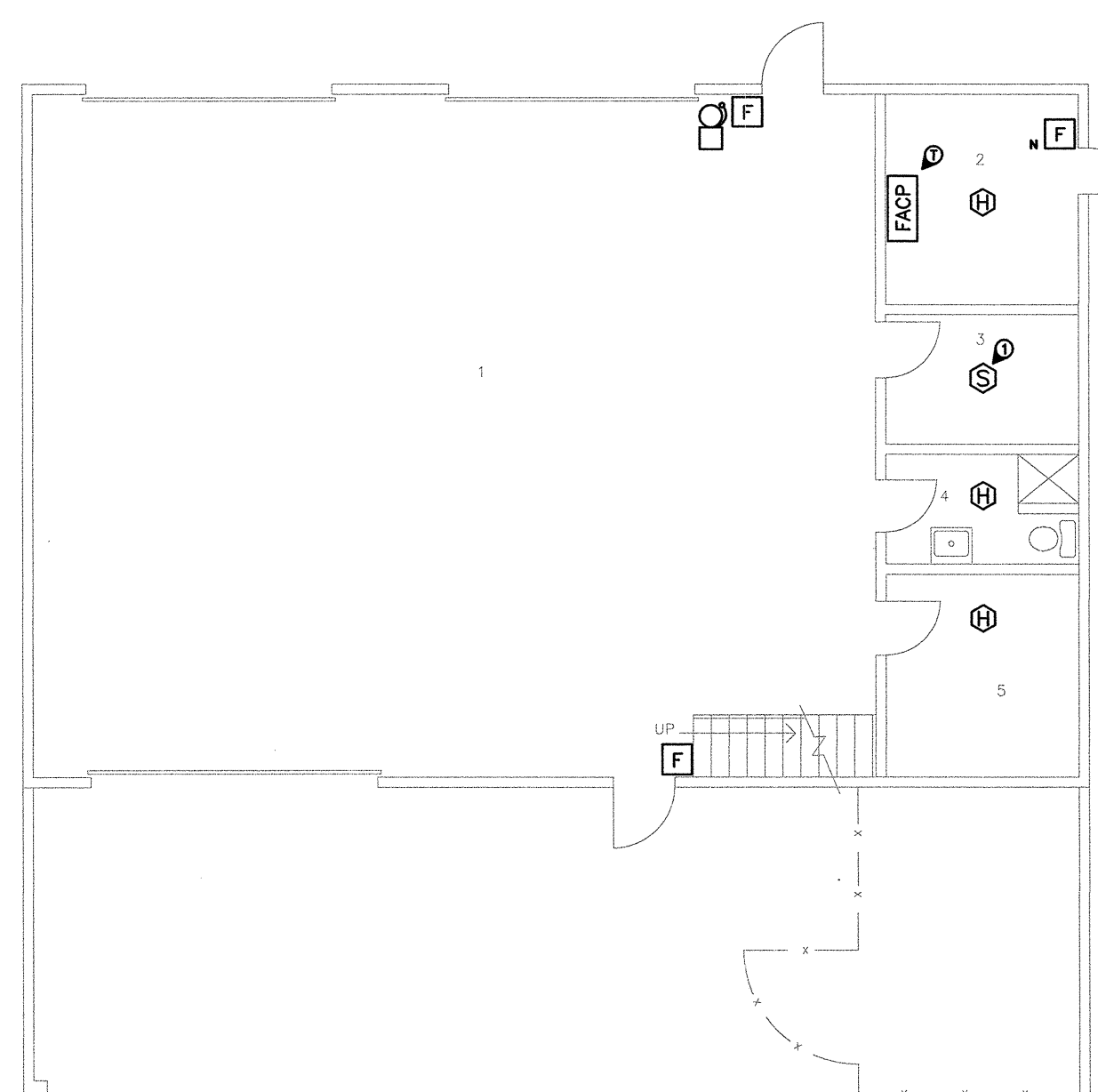
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P. Paul

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FLOOR PLANS - GROUP N

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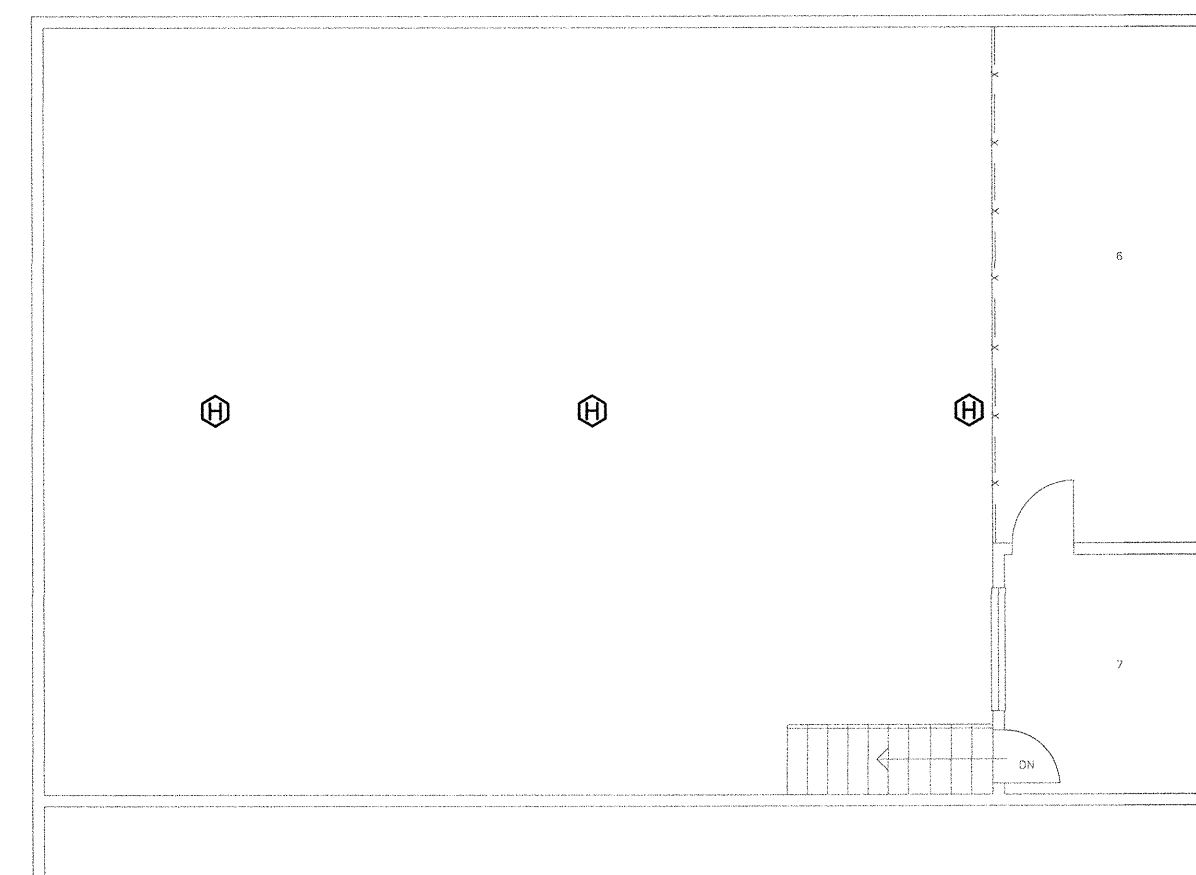


Unit 34		
Room #	Name	Area m ²
Garage - First Floor		
1	Institute Garage	
2	Mechanical Room	
3	Compressor Room	
4	Bathroom	
5	Office	

BLDG 34 - GARAGE FIRST FLOOR PLAN
SCALE 1:100

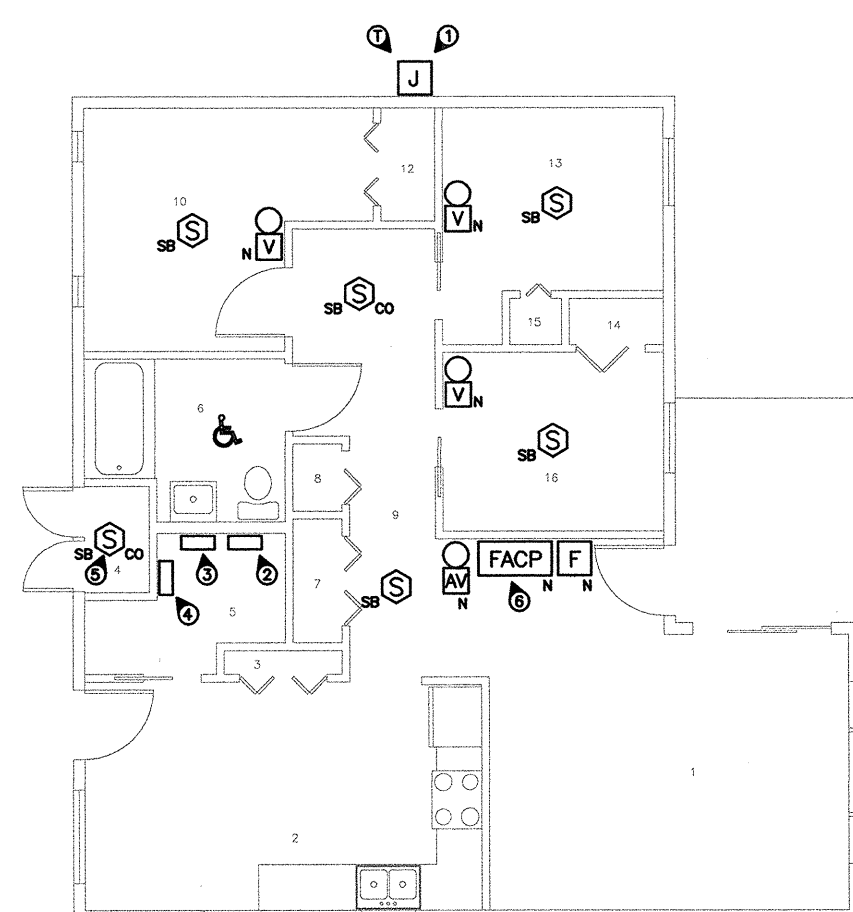
DRAWING NOTES:
① CHANGE TO HEAT DETECTOR.

NOTES:
A. NOTE THAT THE FIRE ALARM NETWORK CONFIGURATION WITHIN DISTRIBUTION CENTRE A (ROOM #2 - MECHANICAL ROOM) IS CHANGING FROM A WIRING HUB FEEDING MULTIPLE BUILDINGS TO JUST ONE BUILDING ON THE FIBRE OPTIC NETWORK LOOP. REFER TO THE SINGLE LINE DIAGRAMS ON DRAWINGS E-18 AND E-19.



Unit 34		
Room #	Name	Area m ²
Garage - Second Floor		
1	Mezzanine Storage	22.4
2	Mezzanine Office	10.7

BLDG 34 - GARAGE SECOND FLOOR PLAN
SCALE 1:100

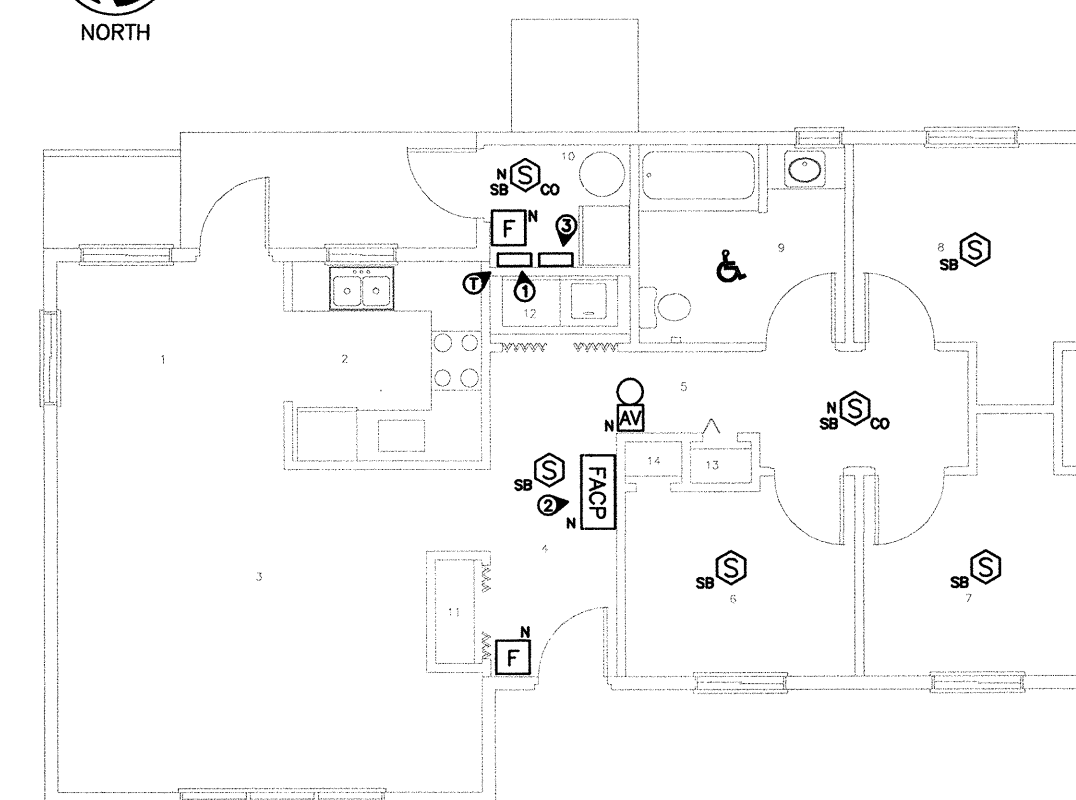


Unit 29a		
Room #	Name	Area m ²
Private Family Visit - First Floor		
1	Living Room	22.3
2	Kitchen	18.1
3	Closet	0.7
4	Mechanical room	1.6
5	Utility Room	4.3
6	B.F. washroom	5.9
7	Closet	1.3
8	Closet	0.7
9	Hallway	10.7
10	Bedroom	11.9
11	Closet	1.4
12	Bedroom	9.9
13	Bedroom	1.0
14	Closet	0.6
15	Closet	0.6
16	Bedroom	7.7

BLDG 29a - PRIVATE FAMILY VISIT UNIT FLOOR PLAN
SCALE 1:100

- DRAWING NOTES:**
- ① LOCATION OF EXISTING 100 X 100 X 150 ALUMINUM FIRE ALARM PULLBOX. PULL BOX IS CONNECTED TO SITE CONDUIT SYSTEM VIA DEDICATED 53mm FIRE ALARM CONDUIT. EXISTING WIRING TO SITE FIRE ALARM SYSTEM INCLUDES 2 X #8 (DEVICE) + 1 X #12 GREEN GROUND. REPLACE PULL BOX WITH TYPE 3 ALUMINUM PULL BOX. PROVIDE LAMPOOD LABEL MECHANICALLY FASTENED TO PULLBOX COVER "FIRE ALARM". REMOVE EXISTING CONDUCTORS TO SITE FIRE ALARM SYSTEM. PROVIDE EMT CONDUIT TO NEW FIRE ALARM PANEL FROM THIS LOCATION.
 - ② EXISTING SEMI-RECESSED 300 X 300 X 100 TELECOM CABINET CONTAINING TELEPHONE CABLING PLUS SOME FIRE ALARM TERMINATIONS.
 - ③ EXISTING 100 X 100 RECESSED FIRE ALARM JUNCTION BOX CONTAINING A 120V RELAY MODULE (BRK ELECTRONICS MODEL RMS3A) INTERFACED TO THE SMOKE ALARMS. RELAY IS USED TO CREATE ALARM DRY CONTACTS WHICH ARE CONNECTED TO THE SITE FIRE ALARM SYSTEM. REMOVE THE RELAY.
 - ④ LOCATION OF EXISTING RECESSED POWER PANEL - PROVIDE NEW CIRCUIT TO NEW FIRE ALARM PANEL.
 - ⑤ PROVIDE NEW WIRING TO EXISTING HEAT DETECTOR AT THIS LOCATION. PROVIDE COMBINATION CARBON MONOXIDE /SMOKE DETECTOR AT THIS LOCATION.
 - ⑥ MOUNT NEW FIRE ALARM PANEL RECESSED WITHIN WALL.

NOTES:
A. ALL EXISTING SMOKE DEVICES ARE 120V SMOKE ALARMS. ALL EXISTING SMOKE DEVICES ARE STROBE TYPE EXCEPT FOR THE DEVICE BETWEEN ROOMS #10 AND #13.



Unit 29b		
Room #	Name	Area m ²
Private Family Visit - First Floor		
1	Dining Room	9.2
2	Kitchen	7.4
3	Living Room	25.3
4	Vestibule	8.0
5	Corridor	6.7
6	Bedroom	8.7
7	Bedroom	10.7
8	Bedroom	10.9
9	B.F. washroom	8.0
10	Mechanical Room	3.8
11	Closet	1.1
12	Laundry Closet	2.0
13	Closet	0.6
14	Closet	0.6

BLDG 29b - PRIVATE FAMILY VISIT UNIT FLOOR PLAN
SCALE 1:100

- DRAWING NOTES:**
- ① LOCATION OF EXISTING SURFACE MOUNTED TELECOM CABINETS AND 120V SMOKE ALARM RELAY MODULE. RELAY IS USED TO CREATE ALARM DRY CONTACTS WHICH ARE CONNECTED TO THE SITE FIRE ALARM SYSTEM. REMOVE THE RELAY. EXISTING WIRING TO SITE FIRE ALARM SYSTEM INCLUDES 2 X #8 ROUTED TO CRAWL SPACE VIA 53mm CONDUIT.
 - ② MOUNT NEW FIRE ALARM PANEL RECESSED WITHIN WALL.
 - ③ LOCATION OF EXISTING POWER PANEL - PROVIDE NEW CIRCUIT TO NEW FIRE ALARM PANEL.

NOTES:
A. ALL EXISTING SMOKE DEVICES ARE 120V SMOKE ALARMS.

Revision/	Description/Description	Date/Date
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1	ISSUED FOR TENDER	20/NOV/2017
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CORRECTIONAL SERVICE CANADA

Project title/Titre du projet

**MISSION MINIMUM INSTITUTION
FIRE ALARM
SYSTEM REPLACEMENT**

Consultant Signature Box Only

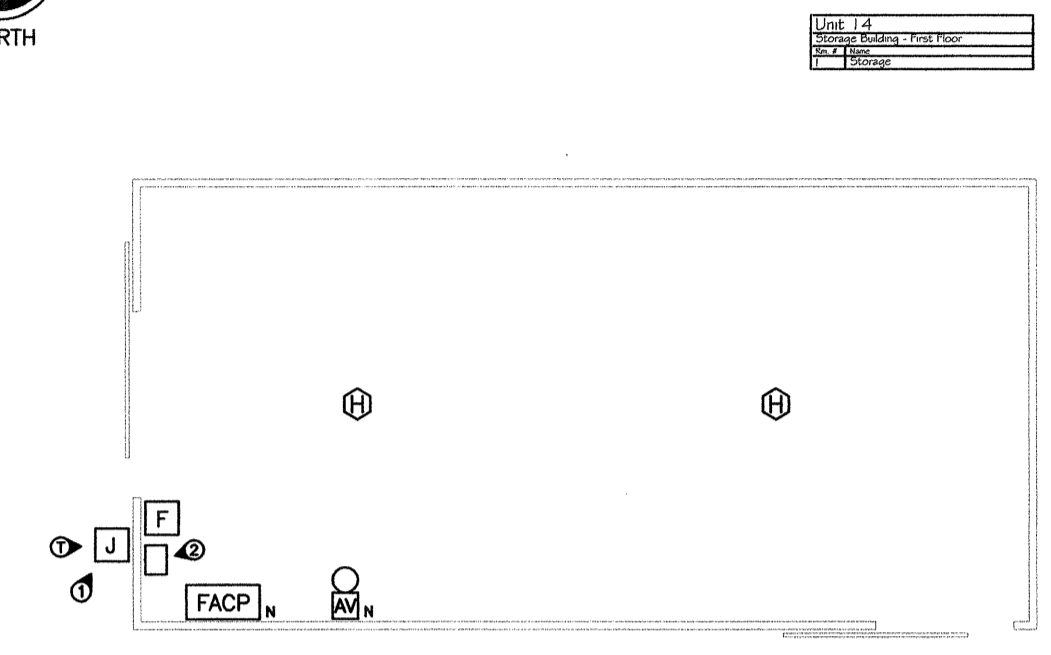
Designed by/Concept par
Greg Robertshaw
Drawn by/Dessiné par
Steve Banfield

TPSGC Project Manager/Administrateur de Projets TPSGC
C. Liu
TPSGC Regional Manager, Architectural and Engineering Services/
Gestionnaire régionale, Services d'architecture et de génie, TPSGC
P. Paul

Drawing title/Titre du dessin
FLOOR PLANS - GROUP O

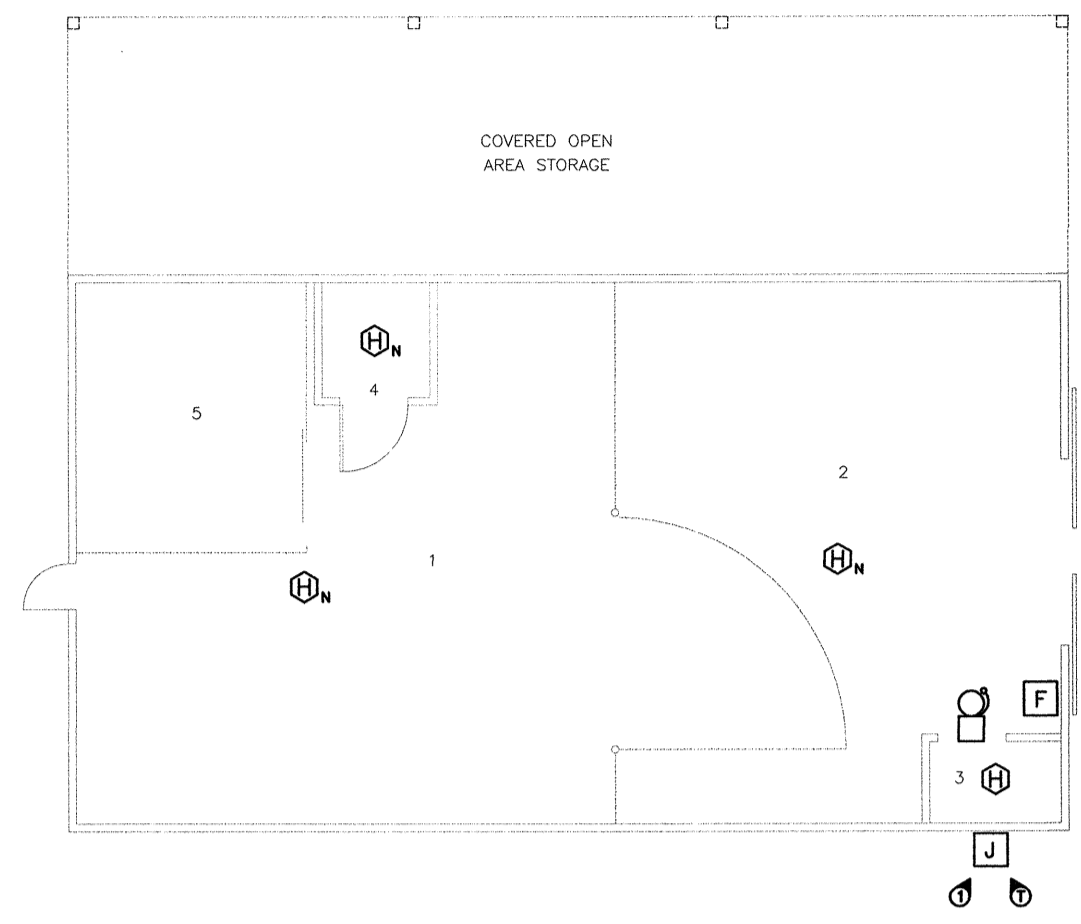
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BLDG 14 - STORAGE BUILDING FLOOR PLAN
SCALE 1:100

- DRAWING NOTES**
- 1. LOCATION OF EXISTING 150 X 150 X 100 STEEL FIRE ALARM PULL BOX. PULL BOX IS CONNECTED TO SITE CONDUIT SYSTEM VIA DEDICATED 53mm FIRE ALARM CONDUIT. EXISTING WIRING TO SITE FIRE ALARM SYSTEM INCLUDES 2 X #8 + 1 X #12 GREEN GROUND. REPLACE PULL BOX WITH TYPE 3 ALUMINUM PULL BOX. PROVIDE LAMICOID LABEL MECHANICALLY FASTENED TO PULLBOX COVER "FIRE ALARM". REMOVE EXISTING CONDUCTORS TO SITE FIRE ALARM SYSTEM. PROVIDE EMT CONDUIT TO NEW FIRE ALARM PANEL FROM THIS LOCATION.
 - 2. LOCATION OF EXISTING POWER PANELBOARD. PROVIDE NEW DEDICATED CIRCUIT TO NEW FIRE ALARM PANEL.
- NOTES**
- A. REPLACE EXISTING FIRE ALARM WIRING. EXISTING EMT CONDUIT FOR THE PULL STATION AND HEAT DETECTORS MAY BE RE-USED.



BLDG 18 - RECYCLE STORAGE BUILDING FLOOR PLAN
SCALE 1:100

- DRAWING NOTES:**
- 1. EXISTING FIRE ALARM PULL BOX MOUNTED ON EXTERIOR OF BUILDING, COMPLETE WITH 53mm CONDUIT ROUTED TO SITE DUCT SYSTEM. REPLACE PULL BOX WITH TYPE 3 ALUMINUM PULL BOX. PROVIDE LAMICOID LABEL MECHANICALLY FASTENED TO PULLBOX COVER "FIRE ALARM". REMOVE EXISTING CONDUCTORS TO SITE FIRE ALARM SYSTEM. PROVIDE EMT CONDUIT TO NEW FIRE ALARM PANEL FROM THIS LOCATION.
- NOTES:**
- A. ALL WIRING INSIDE BUILDING IS SURFACE-MOUNTED EMT AND AC90 CABLING. REMOVE ALL EXISTING CONDUIT AND CABLING AND REPLACE WITH NEW.



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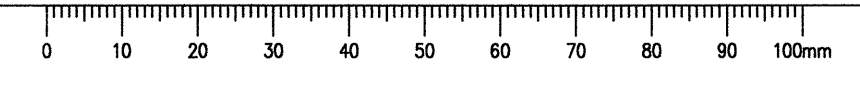
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CORRECTIONAL SERVICE CANADA

Project title/Titre du projet
MISSION MINIMUM INSTITUTION FIRE ALARM SYSTEM REPLACEMENT

Consultant Signature Box Only
Designed by/Concept par
Greg Robertshaw
Drawn by/Dessiné par
Steve Barfield
PWGSC Project Manager/Administrateur de Projets TPSGC
C. Lu
PWGSC Regional Manager, Architectural and Engineering Services/
Gestionnaire régionale, Services d'architecture et de génie, TPSGC
P. Paul

Drawing title/Titre du dessin
FLOOR PLANS - GROUP P

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CORRECTIONAL SERVICE CANADA

**MISSION MINIMUM INSTITUTION
FIRE ALARM
SYSTEM REPLACEMENT**

Consultant Signature Box Only

Designed by/Concept par
Greg Robertshaw

Drawn by/Dessiné par
Steve Barfield

PWSC Project Manager/Administrateur de Projets TPSGC
C. Lu

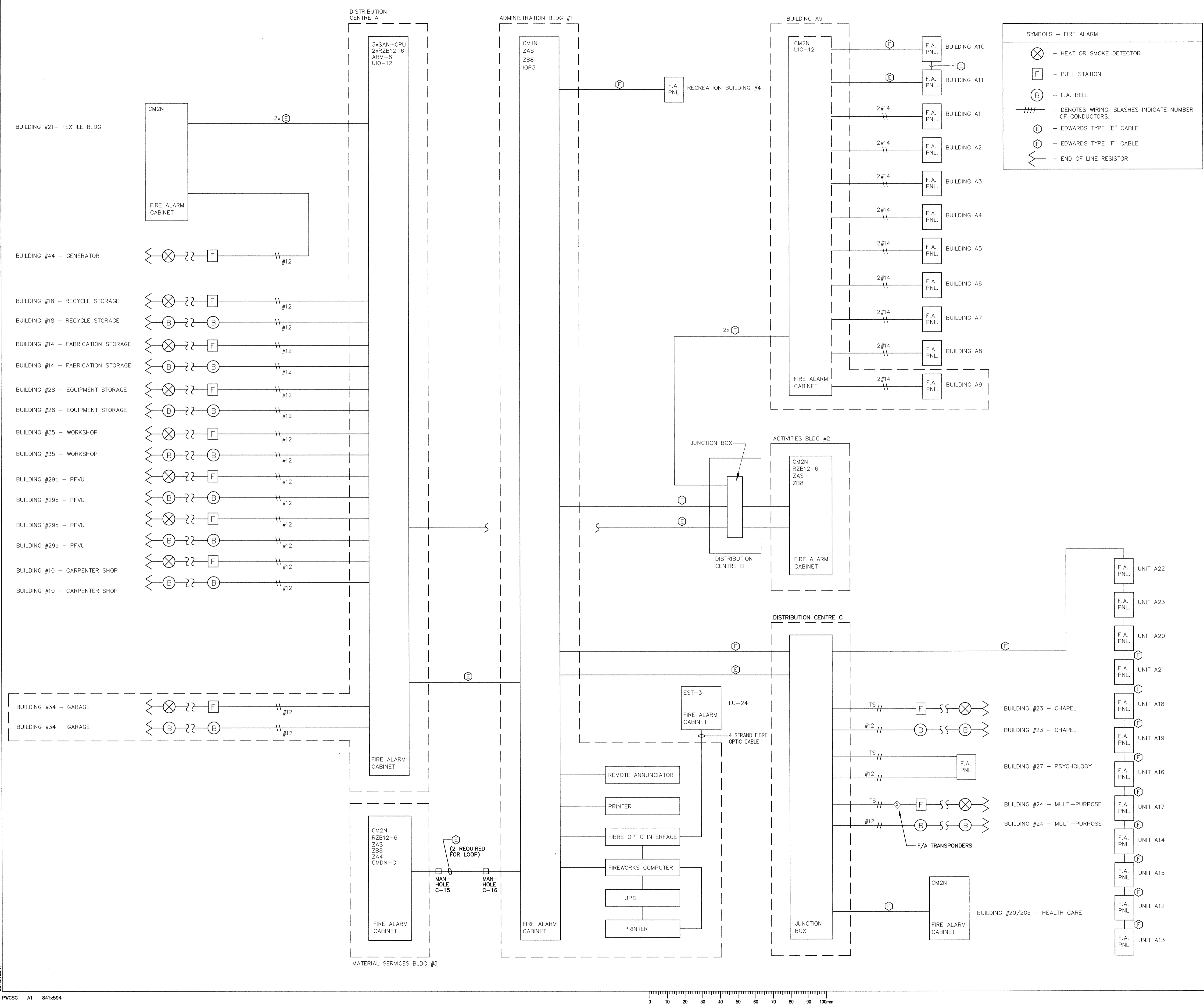
PWSSC Regional Manager, Architectural and Engineering Services/
Gestionnaire régionale, Services d'architecture et de génie, TPSGC
P. Paul

**EXISTING SINGLE
LINE DIAGRAM**

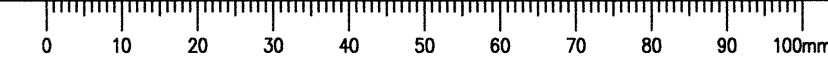
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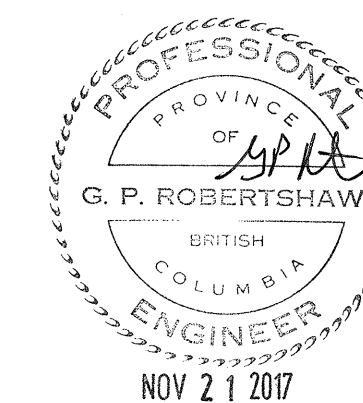
SYMBOLS - FIRE ALARM

- HEAT OR SMOKE DETECTOR
- PULL STATION
- F.A. BELL
- DENOTES WIRING. SLASHES INDICATE NUMBER OF CONDUCTORS.
- EDWARDS TYPE "E" CABLE
- EDWARDS TYPE "F" CABLE
- END OF LINE RESISTOR



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Designed by/Conçue par
Greg Robertshaw

Drawn by/Dessiné par
Steve Barfield

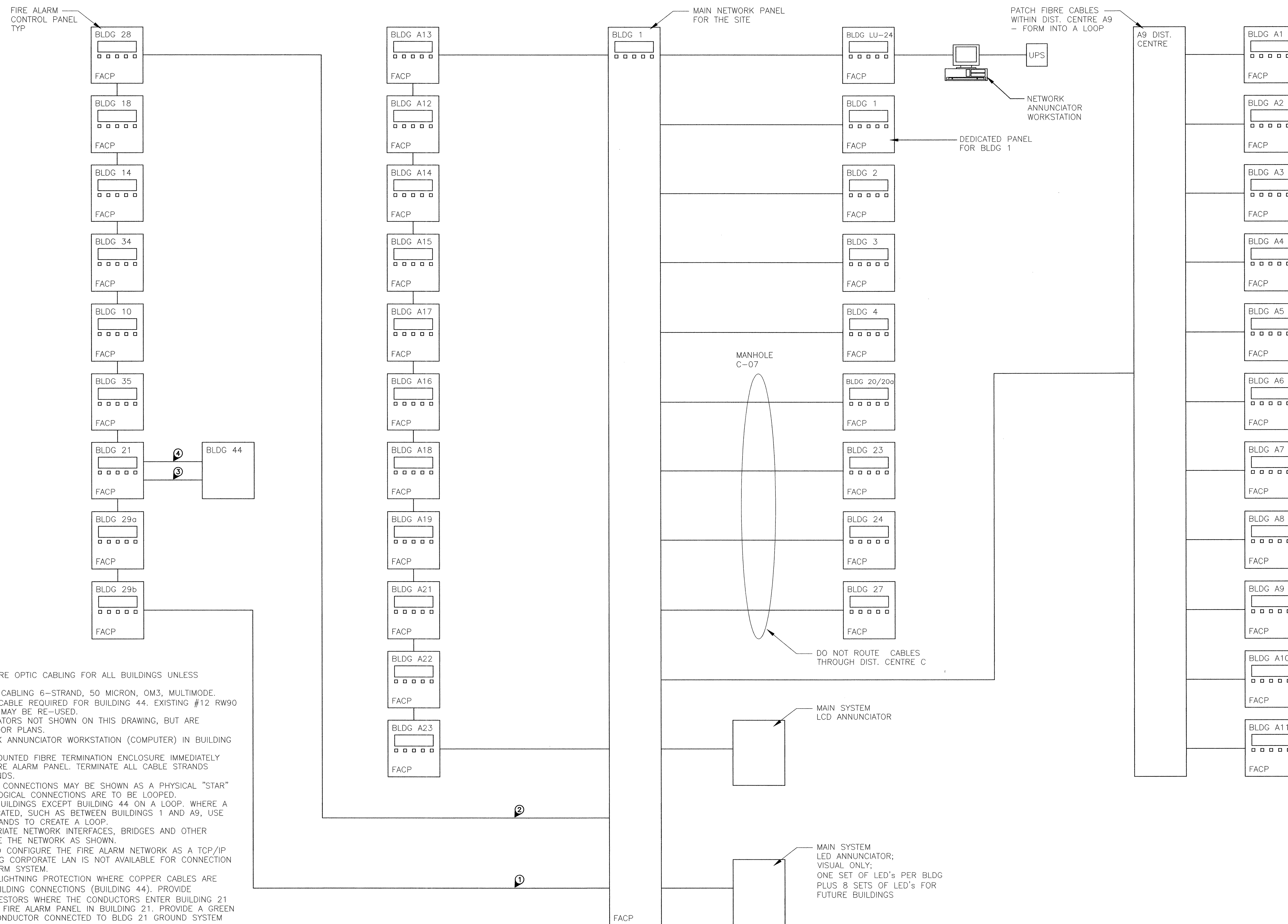
PWOSC Project Manager/Administrateur de Projets TPSSC
C. Lu

PWOSC Regional Manager, Architectural and Engineering Services/
Gestionnaire régionale, Services d'architecture et de génie, TPSSC
P. Paul

Drawing title/Titre du dessin

NEW SINGLE LINE DIAGRAM

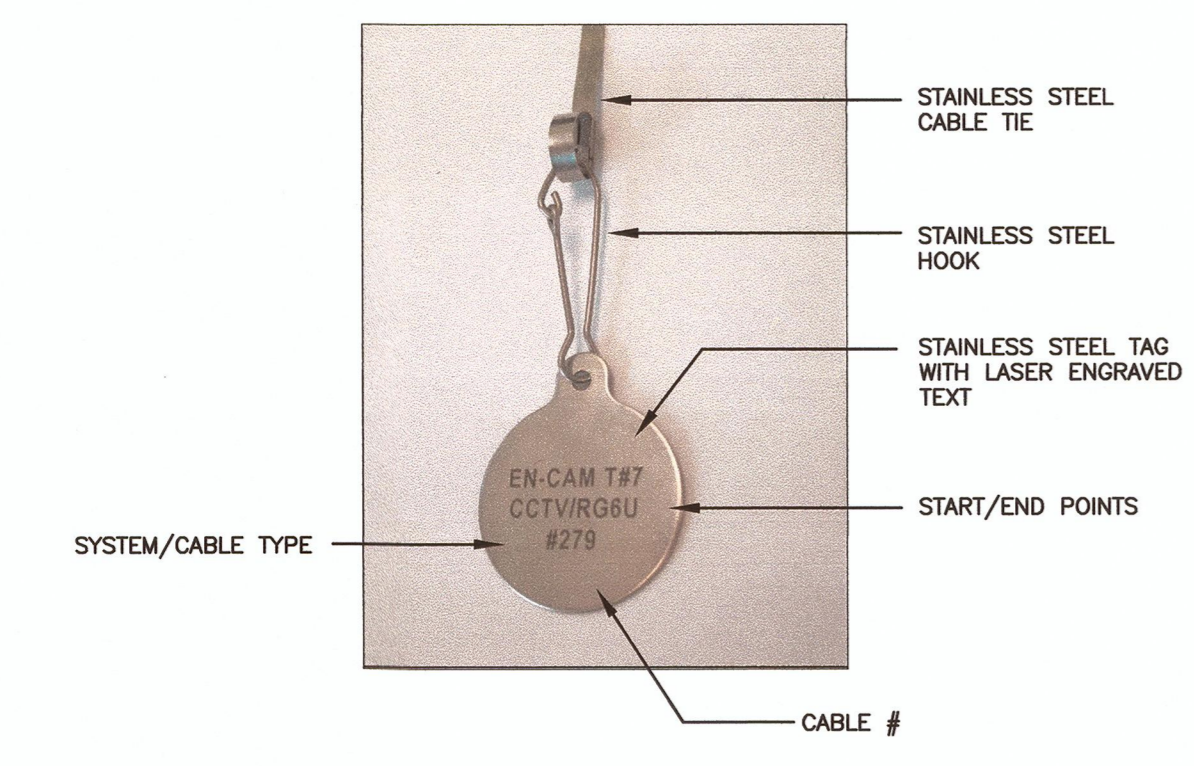
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- NOTES**
- A. PROVIDE NEW FIBRE OPTIC CABLING FOR ALL BUILDINGS UNLESS INDICATED OTHERWISE.
 - B. ALL FIBRE OPTIC CABLING 6-STRAND, 50 MICRON, OM3, MULTIMODE.
 - C. NO FIBRE OPTIC CABLE REQUIRED FOR BUILDING 44. EXISTING #12 RW90 COPPER CONDUCTORS MAY BE RE-USED.
 - D. REMOTE ANNUNCIATORS NOT SHOWN ON THIS DRAWING, BUT ARE INDICATED ON THE FLOOR PLANS.
 - E. PROVIDE NETWORK ANNUNCIATOR WORKSTATION (COMPUTER) IN BUILDING LU24.
 - F. PROVIDE WALL-MOUNTED FIBRE TERMINATION ENCLOSURE IMMEDIATELY ADJACENT TO EACH FIRE ALARM PANEL. TERMINATE ALL CABLE STRANDS INCLUDING SPARE STANDS.
 - G. NOTE THAT SOME CONNECTIONS MAY BE SHOWN AS A PHYSICAL "STAR" BUT GENERALLY ALL LOGICAL CONNECTIONS ARE TO BE LOOPED.
 - H. CONFIGURE ALL BUILDINGS EXCEPT BUILDING 44 ON A LOOP. WHERE A SINGLE CABLE IS INDICATED, SUCH AS BETWEEN BUILDINGS 1 AND A9, USE THE SPARE FIBRE STRANDS TO CREATE A LOOP.
 - I. PROVIDE APPROPRIATE NETWORK INTERFACES, BRIDGES AND OTHER DEVICES TO CONFIGURE THE NETWORK AS SHOWN.
 - J. INTENT IS NOT TO CONFIGURE THE FIRE ALARM NETWORK AS A TCP/IP NETWORK. THE EXISTING CORPORATE LAN IS NOT AVAILABLE FOR CONNECTION TO THE NEW FIRE ALARM SYSTEM.
 - K. PROVIDE SURGE/LIGHTNING PROTECTION WHERE COPPER CABLES ARE USED FOR REMOTE BUILDING CONNECTIONS (BUILDING 44). PROVIDE SURGE/LIGHTNING ARRESTORS WHERE THE CONDUCTORS ENTER BUILDING 21 TO PROTECT THE NEW FIRE ALARM PANEL IN BUILDING 21. PROVIDE A GREEN INSULATED GROUND CONDUCTOR CONNECTED TO BLDG 21 GROUND SYSTEM FOR THE SURGE/LIGHTNING ARRESTOR.
 - L. THE OVERALL SYSTEM MAY BE SIZED CLOSE TO A LARGE SCALE NETWORK. DCLC LOOPS ARE INDICATED FOR PORTIONS OF THE SYSTEM, BUT DUE TO THE PHYSICAL LAYOUT, REDUNDANT PATHWAYS ARE NOT FEASIBLE. THE INTENT IS TO SET THE NETWORK UP WITH MONITORING CAPABILITY AT BUILDING 1 AND BUILDING LU24, NOT WITH ALARM CONTROL CAPABILITY.
 - M. FOR NETWORK CABLING, THERE IS A DEDICATED FIRE ALARM CONDUIT ROUTED FROM ALMOST EVERY BUILDING TO THE SITE CONDUIT SYSTEM.
 - N. CLARIFICATIONS: PROVIDE NEW FIBRE OPTIC CABLE BETWEEN BUILDING LU24 AND BUILDING 1. REPLACE THE FIRE ALARM SYSTEM FOR BUILDING LU24.
 - O. USE TWO FIBRE-OPTIC STRANDS CONFIGURED AS TRANSMIT AND RECEIVE FOR EACH FIRE ALARM PANEL.

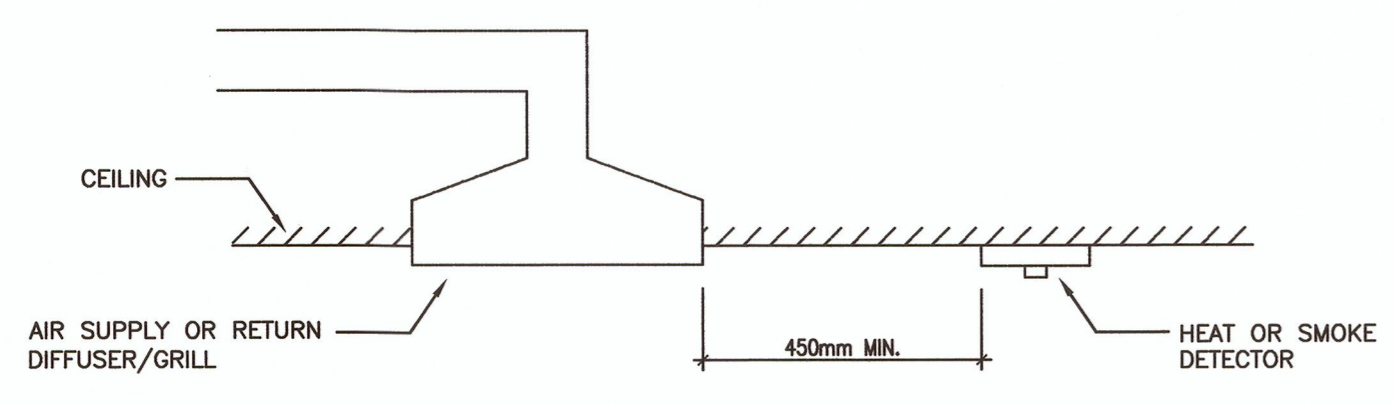
- DRAWING NOTES**
- ① ROUTE CABLE VIA MANHOLE C-07.
 - ② ROUTE CABLE VIA MANHOLE C-09.
 - ③ USE EXISTING COPPER CONDUCTORS FOR CONNECTION TO FIRE ALARM DEVICES.
 - ④ USE EXISTING COPPER CONDUCTORS FOR CONNECTION TO GENERATOR RUNNING/ALARM CONDITIONS.





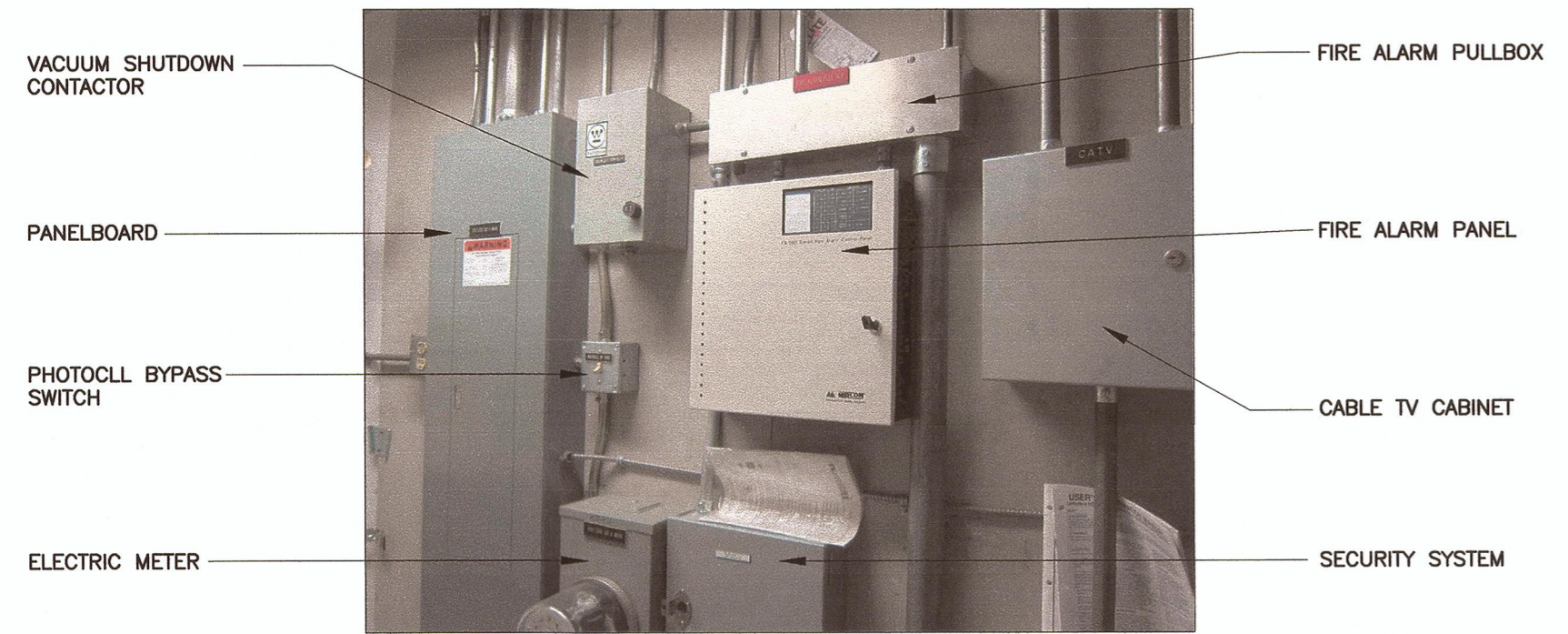
STAINLESS STEEL CABLE ID TAG
SCALE NTS

- NOTES**
1. PROVIDE STAINLESS STEEL CABLE ID TAGS ON ALL CABLES INSTALLED BETWEEN BUILDINGS. PROVIDE TAGS IN ALL MANHOLES, PULLPITS AND WHERE CABLE TERMINATES IN THE BUILDING.
 2. COORDINATE CABLE ID NUMBER WITH DEPARTMENTAL REPRESENTATIVE.
 3. SUBMIT SPREADSHEET WITH ALL PROPOSED TEXT FOR ALL TAGS.
 4. SUBMIT SAMPLE TAG ASSEMBLY.
 5. ENSURE THERE ARE NO SHARP EDGES ON THE CABLE TIES AFTER THE TIES ARE CUT. GRIND EDGES.



INSTALLATION OF HEAT AND SMOKE DETECTORS NEAR AIR SUPPLY AND RETURN DIFFUSERS/GRILLS
SCALE NTS

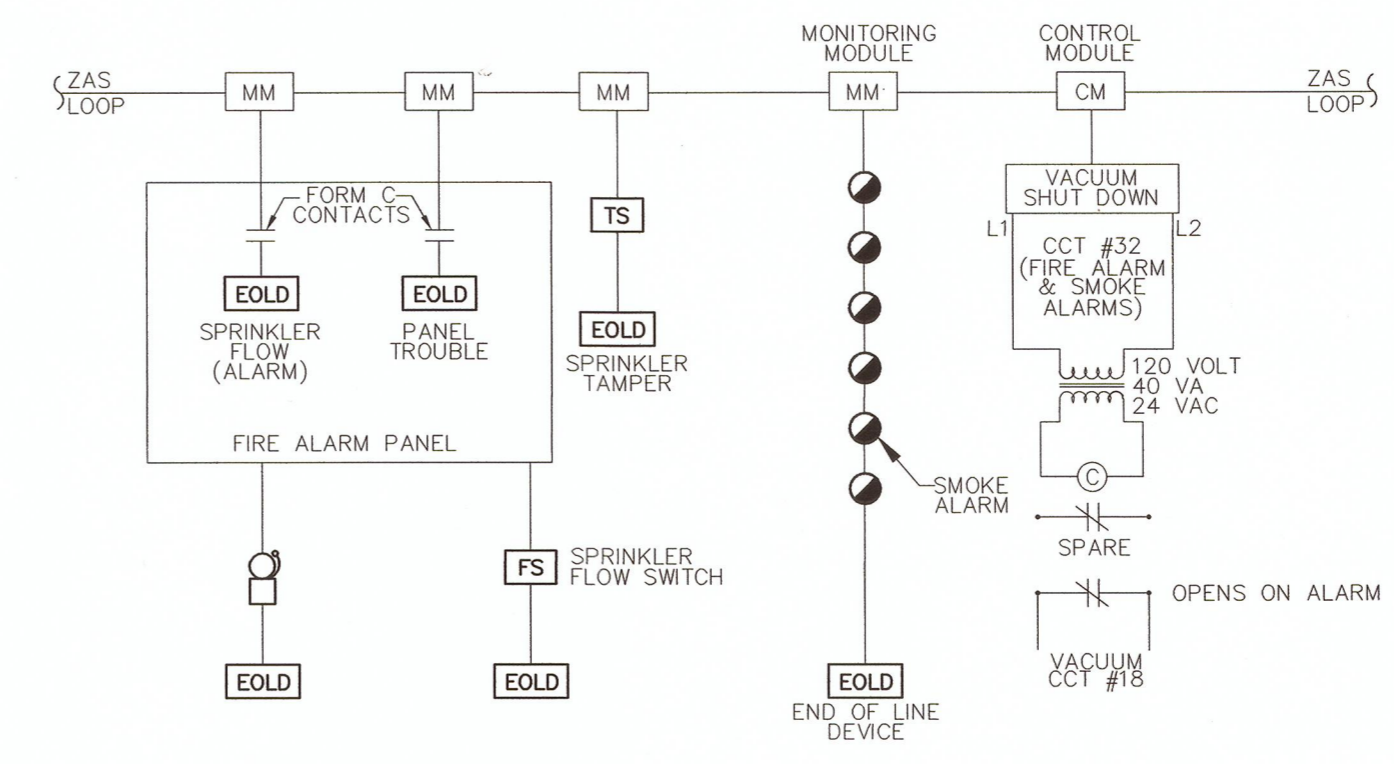
- NOTES**
1. LOCATIONS OF HEAT AND SMOKE DETECTORS SHOWN ON DRAWINGS IS APPROXIMATE. INSTALL ALL HEAT AND SMOKE DETECTORS AT LEAST 450mm FROM AIR SUPPLY AND RETURN DIFFUSERS/GRILLS



EXISTING FIRE ALARM PANEL LAYOUT - BUILDING A6

- NOTES**
1. THE EXISTING FIRE ALARM PANELS IN BUILDINGS A1 TO A23 ARE GENERALLY SMALL HARDWIRED PANELS. REFER TO THE EXISTING FIRE ALARM SYSTEM SPREADSHEET FOR THE ACTUAL PANEL MODEL USED IN EACH BUILDING. THE NEW FIRE ALARM PANELS ARE EXPECTED TO BE LARGER THAN THE EXISTING PANELS. SOME CONDUIT/PANEL RELOCATION WILL BE REQUIRED IN ALL BUILDINGS A1 TO A23. IN 8 OF THE BUILDINGS, MORE EXTENSIVE RELOCATION WORK IS REQUIRED TO MAKE ROOM FOR THE NEW FIRE ALARM PANELS. REFER TO THE PHOTO OF THE FIRE ALARM INSTALLATION IN BUILDING A6 WHICH IS REPRESENTATIVE OF THE SCOPE OF RELOCATION WORK REQUIRED FOR THE 8 BUILDINGS. NOTE THAT THE VACUUM SHUTDOWN CONTACTOR SHALL BE REMOVED, BUT MANY OF THE OTHER CABINETS AND BOXES REQUIRE RELOCATION.
 2. THE EXISTING FIRE ALARM NETWORK CABLE(S) ENTERS THE MECHANICAL ROOM VIA A 53mm CONDUIT ROUTED UP FROM THE FLOOR IN THE GENERAL AREA BELOW THE FIRE ALARM PANEL. THERE IS A CRAWLSPACE UNDER THE BUILDING.

FIRE ALARM PANEL INSTALLATION DETAIL - BUILDINGS A1 TO A23



- NOTES**
1. THE CENTRAL VACUUM HAS BEEN REMOVED BY OTHERS.
 2. THE VACUUM SHUT-DOWN CONTROLS ARE REMAINING.
 3. REMOVE THE VACUUM SHUT-DOWN CONTROLS, VACUUM POWER CIRCUIT AND CONNECTION TO THE FIRE ALARM SYSTEM. LABEL VACUUM BREAKER AS SPARE. REMOVE VACUUM CONTACTOR AND ALL CONDUIT AND WIRING ASSOCIATED WITH THE VACUUM SHUTDOWN SYSTEM.
 4. ALL EXISTING SMOKE DETECTION DEVICES ARE SMOKE ALARMS. REPLACE ALL SMOKE ALARMS AS INDICATED.
 5. DRAWINGS INDICATE COMBINATION SMOKE/CARBON MONOXIDE DEVICES - THIS IS INTENDED TO INDICATE THE NEW DEVICES, NOT THE EXISTING DEVICES.
 6. CONNECT ALL FIRE ALARM DEVICES INCLUDING SMOKE/CO DETECTORS, SPRINKLER MONITORING DEVICES, PULL STATIONS, AUDIBLE APPLIANCES, ETC TO THE NEW FIRE ALARM PANEL.
 7. USE THE EXISTING SPRINKLER FLOW AND TAMPER DEVICES.
 8. REMOVE THE EXISTING EDWARDS ZAS LOOP INCLUDING THE MONITORING AND CONTROL MODULES. REMOVE THE EXISTING HARDWIRED NETWORK CONNECTIONS INCLUDING RELAYS, INTERFACE CARDS AND TRANSFORMERS.
 9. GENERALLY, RESIDENCES A1 TO A9 ARE HARDWIRED TO AN IRC-3 PANEL IN BUILDING A9. RESIDENCES A10 TO A23 ARE ON AN EDWARDS ZAS LOOP ROUTED BACK TO BUILDING 1.
 10. WITHIN RESIDENCE A9, THERE IS A MIRCROM FIRE ALARM PANEL DEDICATED TO THE DEVICES WITHIN THE BUILDING PLUS THERE IS A SEPARATE EDWARDS IRC-3 PANEL DEDICATED TO NETWORK COMMUNICATIONS FOR BUILDINGS A1 TO A9.
 11. IN SOME RESIDENCES SMOKE ALARMS WITH 120-VOLT WIRING AND RELAYS WITH LOW-VOLTAGE WIRING ARE USED. DISCONNECT ALL 120-VOLT WIRING FROM THE VICINITY OF THE SMOKE ALARMS. REMOVE RELAYS.
 12. IN SOME RESIDENCES REPLACEMENT FIRE ALARM PANELS HAVE BEEN USED AND PULL STATIONS AND SMOKE ALARMS ARE WIRED DIRECTLY TO THE FIRE ALARM PANELS.
 13. BUILDINGS A1 TO A23 MAY BE REFERENCED AS RESIDENCES OR LIVING UNITS.
 14. REMOVE ALL REDUNDANT CONTROLS, INTERFACES, WIRING AND SIMILAR ITEMS.
 15. EXISTING PULL STATIONS ARE INSTALLED IN SOME RESIDENCES AND ARE NOT SHOWN ON THE DETAIL.

TYPICAL EXISTING FIRE ALARM SYSTEM AT RESIDENCES A1 TO A23
SCALE NTS

BUILDING No.	BUILDING NAME	EXISTING FIRE ALARM PANEL	SPRINKLER SYSTEM	PROVIDE NEW FIRE ALARM SYSTEM	BASEMENT FLOOR AREA M ²	GROUND FLOOR AREA M ²	2 nd FLOOR AREA M ²	MAJOR OCCUPANCY	COMBUSTIBILITY NC = NON C = COMBUSTIBLE	COMMENTS
1	Duty Office, Admin, Case Management, V&C	Edwards CM1N	YES	YES	0	1579.12	0	D	C	
2	Activity Building	Edwards IRC-3	YES	YES	0	714.42	0	A2	C	
3	Inst Services Bldg, Commissary, Dining Rm	Edwards IRC-3	YES	YES	0	1117.16	0	A2 / D	C	Kitchen range hood suppression system.
4	Recreation Building	Edwards EST1-Z1	NO	YES	0	261.87	0	A2	C	
10	Carpenter Shop	none	NO	YES	0	109.22	0	F2	C	
14	Fabrication Storage	none	NO	YES	0	70.56	0	F2	C	
18	Recycle Storage	none	NO	YES	0	96.73	0	F2	C	
20/20a	Health Services	Edwards CM2N	NO	YES	0	197.66	0	A2 / D	C	
21	Textile Building	Edwards IRC-3	YES	YES	0	321.02	170.31	F2	C	
23	Chapel	none	NO	YES	0	145.02	0	A2	C	
24	Multi Purpose Building	none	NO	YES	0	103.20	0	A2	C	
27	Psychology Building	Mircrom FA-102T	YES	YES	0	120.40	0	A2	C	
28	Equipment Storage	none	NO	YES	0	353.77	93.96	F2	C	
29a	Private Family Visit Unit 01	none	NO	YES	0	96.22	0	C	C	
29b	Private Family Visit Unit 02	none	NO	YES	0	102.85	0	C	C	
34	Garage	Edwards IRC-3	NO	YES	0	165.41	35.99	F2	C	
35	Workshop	none	NO	YES	0	127.20	0	F2	C	
44	Generator Building	none	NO	YES	0	18.56	0	F2	C	Dedicated fire alarm panel not required for this generator enclosure.
A1	Residence	Mircrom FA-1025T	YES	YES	0	167.95	0	C	C	
A2	Residence	Mircrom FA-1025T	YES	YES	0	169.55	0	C	C	
A3	Residence	Mircrom FA-1025T	YES	YES	0	171.05	0	C	C	
A4	Residence	Mircrom FA-1025T	YES	YES	0	169.55	0	C	C	
A5	Residence	Mircrom FA-301-8LW	YES	YES	0	169.39	0	C	C	
A6	Residence	Mircrom FA-265	YES	YES	0	169.39	0	C	C	Barrier free living unit
A7	Residence	Mircrom FA-1025T	YES	YES	0	167.95	0	C	C	
A8	Residence	Mircrom FA-1025T	YES	YES	0	169.55	0	C	C	
A9	Residence	Mircrom FA-300-6LW	YES	YES	0	175.62	0	C	C	Also has Edwards IRC-3 node as a network panel. Mircrom panel is for the building devices.
A10	Residence	Edwards EST-1-121	YES	YES	0	209.77	0	C	C	Barrier free living unit
A11	Residence	Edwards EST-1-121	YES	YES	0	209.77	0	C	C	Barrier free living unit
A12	Residence	Edwards EST-1-121	YES	YES	0	171.53	0	C	C	
A13	Residence	Edwards EST-1-121	YES	YES	0	171.52	0	C	C	
A14	Residence	Edwards EST-1-121	YES	YES	0	171.53	0	C	C	
A15	Residence	Edwards EST-1-121	YES	YES	0	171.53	0	C	C	
A16	Residence	Edwards EST-1-121	YES	YES	0	185.79	0	C	C	
A17	Residence	Edwards EST-1-121	YES	YES	0	171.53	0	C	C	
A18	Residence	Edwards EST-1-121	YES	YES	0	185.79	0	C	C	
A19	Residence	Edwards EST-1-121	YES	YES	0	171.53	0	C	C	
A20	Residence	Edwards EST-1-121	YES	YES	0	171.53	0	C	C	
A21	Residence	Edwards EST-1-121	YES	YES	0	204.33	0	C	C	
A22	Residence	Mircrom FA-101T	YES	YES	0	204.33	0	C	C	
A23	Residence	Edwards EST-1-121	YES	YES	0	204.33	0	C	C	
LU24	50 Bed Living Unit	Edwards EST3	YES	YES	1093.36	1095.77	1095.77	C	C	

EXISTING FIRE ALARM SYSTEM SPREADSHEET



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CORRECTIONAL SERVICE CANADA

Project title/Titre du projet

MISSION MINIMUM INSTITUTION FIRE ALARM SYSTEM REPLACEMENT

Consultant Signature Box Only

Designed by/Concept par
Greg Robertshaw

Drawn by/Desainé par
Steve Banfield

PWSC Project Manager/Administrateur de Projets TPSGC
C. Liu

PWSC Regional Manager, Architectural and Engineering Services/
Gestionnaire régionale, services d'architecture et de génie, TPSGC
P. Paul

Drawing title/Titre du dessin
DETAILS

Project No./No. du projet R.082592.001	Sheet/Feuille E-20 OF -	Revision no./ La Révision no. 0
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