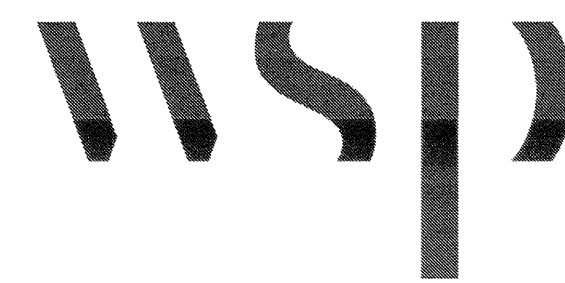


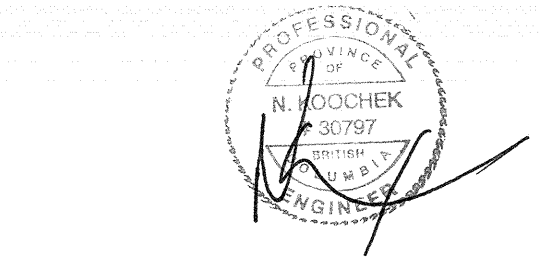
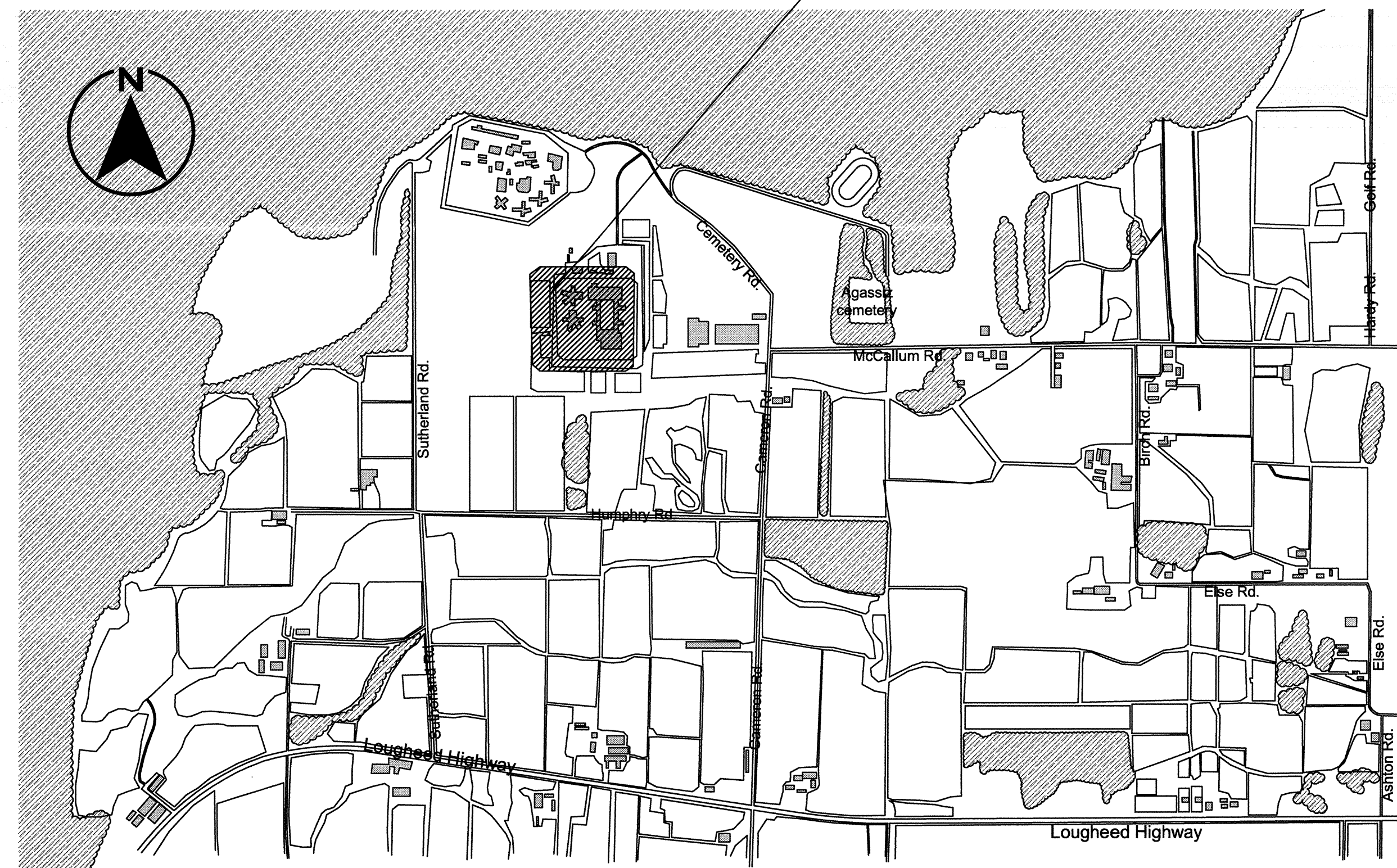
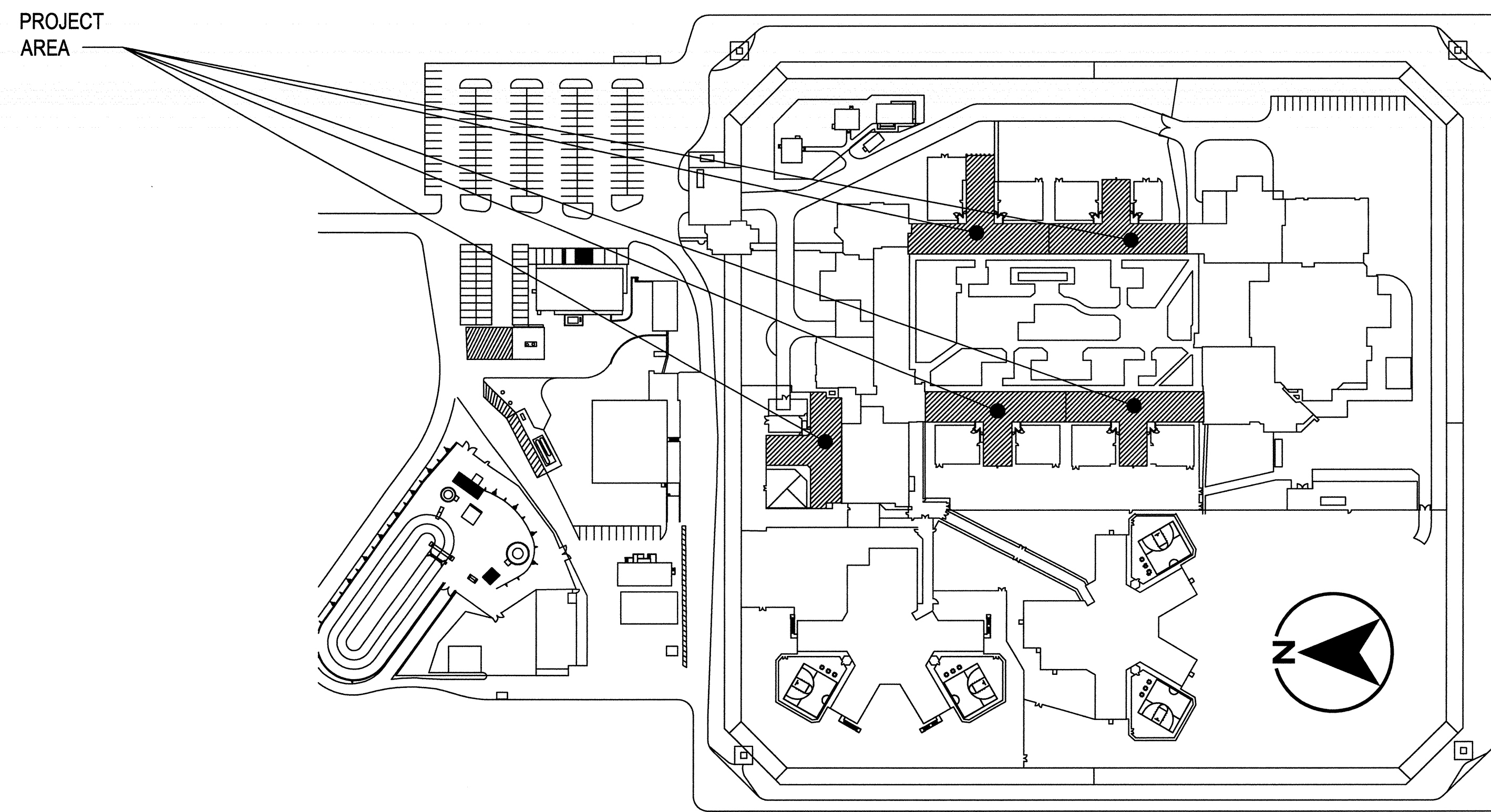
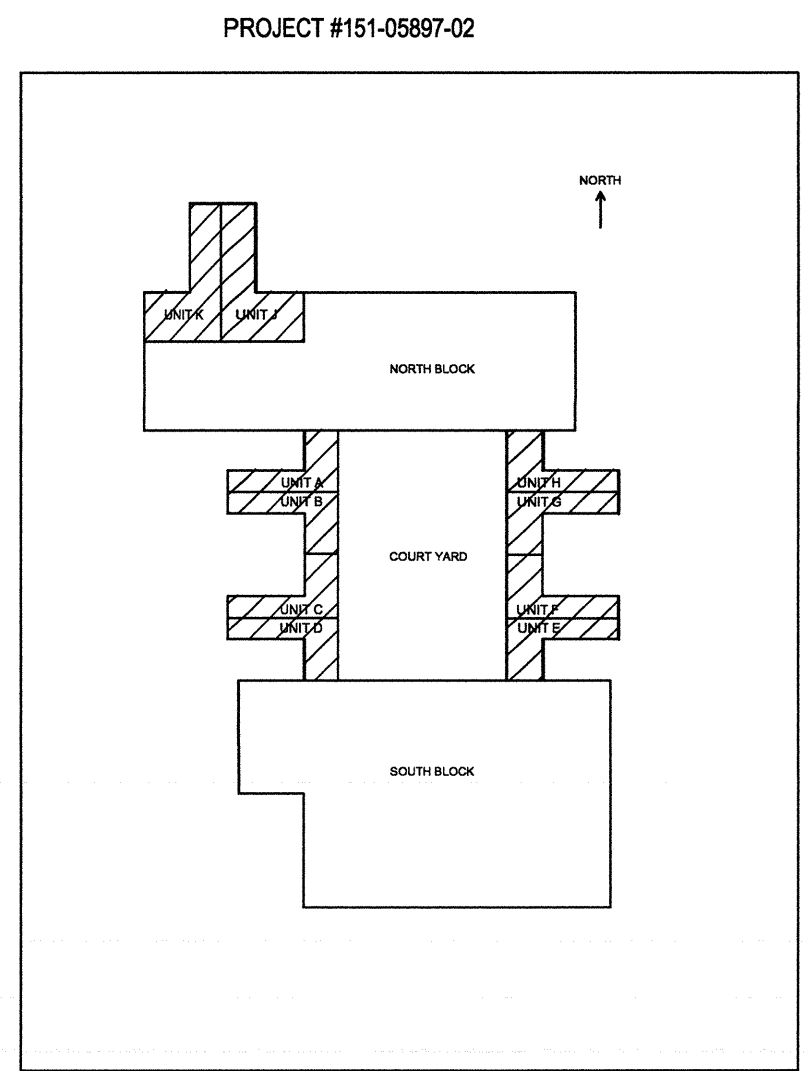
**CONTRACT NUMBER: R.077723.001**  
**MECHANICAL SYSTEM UPGRADE FOR CELL BLOCKS "A" THROUGH "H" and "J & K"**  
 KENT INSTITUTION, 4732 CEMETERY ROAD, AGASSIZ, BC



ARCHITECTURE | 49



CHERNOFF THOMPSON ARCHITECTS



1	ISSUED FOR TENDER	2017.08.16
Revision/	Description/Description	Date/Date

Client/client  
**CORRECTIONAL SERVICE OF CANADA**

Project title/Titre du projet  
**AGASSIZ, BC  
 KENT MAXIMUM SECURITY INSTITUTION  
 MECHANICAL SYSTEM UPGRADE FOR CELL BLOCKS A through H and J & K**

Consultant Signature Box Only  
 Designed by/Concept par  
**NK/FH**  
 Drawn by/Dessiné par  
**MY/ML**  
 PWGSC Project Manager/Administrateur de Projets TPSGC  
**MARVIN NG**

PWGSC Regional Manager, Architectural and Engineering Services / Gestionnaire régional, Services d'architecture et de génie, TPSGC  
**PREETIPAL PAUL**

Drawing title/Titre du dessin  
**COVER SHEET,  
 DRAWINGS LIST**

Project No./No. du projet	Sheet/Fauille	Revision no./ La Révision no.
<b>R.077723.001</b>	<b>M0-00</b>	<b>1</b>

**DRAWING LIST**

**MECHANICAL**

- M0-00 COVER SHEET, DRAWING LIST
- M0-01 MECHANICAL LEGENDS AND NOTES
- M0-02 OVERALL PLAN
- M1-00 LIVING UNITS A TO H KEY PLAN MECHANICAL EQUIPMENT ROOM LEVEL (DEMO)
- M1-01 LIVING UNITS A TO H MECHANICAL EQUIPMENT ROOM (DEMO)
- M1-02 LIVING UNITS A TO H KEY PLAN TUNNEL LEVEL (DEMO)
- M1-03 LIVING UNITS A TO H TUNNEL PLAN (DEMO)
- M2-00 LIVING UNITS J & K KEY PLAN MECHANICAL EQUIPMENT ROOM (DEMO)
- M2-01 LIVING UNITS J & K MECHANICAL EQUIPMENT ROOM (DEMO)
- M2-02 LIVING UNITS J & K HYDRONIC SYSTEM IN NORTH MECHANICAL ROOM (DEMO)
- M3-00 LIVING UNITS A TO H KEY PLAN MECHANICAL EQUIPMENT ROOM (RENO)
- M3-01A LIVING UNITS A, C, E, G MECHANICAL EQUIPMENT ROOM - HVAC PLAN (RENO)
- M3-01B LIVING UNITS B, D, F, H MECHANICAL EQUIPMENT ROOM - HVAC PLAN (RENO)
- M3-01C LIVING UNITS A TO H MECHANICAL EQUIPMENT ROOM - HYDRONIC PLAN (RENO)
- M3-02 LIVING UNITS A TO H MECHANICAL EQUIPMENT ROOM - SECTIONS (RENO)
- M3-03 LIVING UNITS A TO H MECHANICAL EQUIPMENT ROOM - 3D VIEW PLAN (RENO)
- M3-04 LIVING UNITS A TO H KEY PLAN UPPER FLOOR LEVEL (RENO)
- M3-05 LIVING UNITS A TO H UPPER FLOOR PLAN (RENO)
- M3-06 LIVING UNITS A TO H KEY PLAN TUNNEL LEVEL (RENO)
- M3-07 LIVING UNITS A TO H TUNNEL PLAN (RENO)
- M3-08 LIVING UNITS A TO H AND SEGREGATION UNITS J&K SPRINKLERS SYSTEM
- M4-00 LIVING UNITS J & K KEY PLAN MECHANICAL EQUIPMENT ROOM (RENO)
- M4-01 LIVING UNITS J & K MECHANICAL EQUIPMENT ROOM (RENO)
- M4-02 LIVING UNITS J & K HYDRONIC SYSTEM IN NORTH MECHANICAL EQUIPMENT ROOM (RENO)
- M5-01 MECHANICAL DETAILS 1 OF 2
- M5-02 MECHANICAL DETAILS 2 OF 2
- M6-01 MECHANICAL SCHEDULES 1 OF 2
- M6-02 MECHANICAL SCHEDULES 2 OF 2

**M7-01**

- M7-01 MECHANICAL SCHEMATIC HOT WATER HEATING SYSTEM
- M8-01 EXISTING HEATING HOT WATER SYSTEM SCHEMATIC ISOLATION VALVES REPLACEMENT/ADDITION
- M8-02 ISOLATION VALVES REPLACEMENT / ADDITION PLAN
- M8-03 ISOLATION VALVES REPLACEMENT / ADDITION PLAN
- M8-04 ISOLATION VALVES REPLACEMENT / ADDITION PLAN
- M8-05 ISOLATION VALVES REPLACEMENT / ADDITION PLAN
- M8-06 ISOLATION VALVES REPLACEMENT / ADDITION PLAN
- M8-07 ISOLATION VALVES REPLACEMENT / ADDITION PLAN
- M9-01 SECURITY GRILLES REPLACEMENT FOR LIVING UNITS A TO H (DEMO)
- M9-02 SECURITY GRILLES REPLACEMENT FOR LIVING UNITS A TO H (RENO)
- M9-03 SECURITY GRILLES REPLACEMENT FOR LIVING UNITS A TO H (DEMO & RENO)
- P0-00 PLUMBING LEGEND AND GENERAL NOTES
- P1-00 LIVING UNITS A, B, C, D KEY PLANS
- P1-01 LIVING UNITS A, B, C, D DEMOLITION & NEW PLUMBING PLANS
- P1-02 LIVING UNITS A, B, C, D DEMOLITION & NEW PLUMBING PLANS
- P1-03 LIVING UNITS A, B, C, D DEMOLITION & NEW PLUMBING PLANS
- P2-00 LIVING UNITS E, G, H KEY PLANS
- P2-01 LIVING UNITS E, G, H DEMOLITION & NEW PLUMBING PLANS
- P2-02 LIVING UNITS E, G, H DEMOLITION & NEW PLUMBING PLANS
- P2-03 LIVING UNITS E, G, H DEMOLITION & NEW PLUMBING PLANS
- P3-00 LIVING UNITS J, K KEY PLANS
- P3-01 LIVING UNITS J, K DEMOLITION & NEW PLUMBING PLANS
- P3-02 LIVING UNITS J, K DEMOLITION & NEW PLUMBING PLANS
- P3-03 LIVING UNITS J, K DEMOLITION & NEW PLUMBING PLANS
- P3-04 LIVING UNITS J, K DEMOLITION & NEW PLUMBING PLANS

**ELECTRICAL**

- E0-01 TYPICAL LIVING UNITS A TO H, MECHANICAL EQUIPMENT ROOM- POWER LAYOUT
- E0-02 LIVING UNITS J & K, MECHANICAL EQUIPMENT ROOM- POWER LAYOUT
- E0-03 MECHANICAL EQUIPMENT SCHEDULE
- E0-04 SCHEMATIC DIAGRAM

**ARCHITECTURAL**

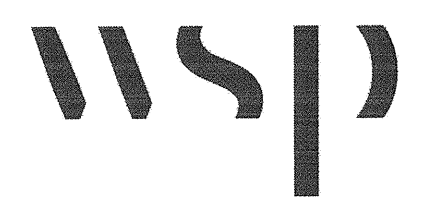
- A0-01 TYPICAL LIVING UNITS ( A-H, J& K) MECHANICAL EQUIPMENT ROOMS TEMPORARY CONSTRUCTION ACCESS LOCATIONS
- A0-02 TYPICAL LIVING UNITS ( A-H, J& K) MECHANICAL EQUIPMENT UNITS REMOVAL STAGING PLAN AND ROOF DETAILS
- A1-00 COVER PAGE, DRAWING LIST AND GENERAL CONSTRUCTION NOTES
- A1-01 SITE PLAN AND OVERALL PLAN
- A1-02 TYPICAL DETAIL
- A2-00 LIVING UNITS A, B, C AND D KEY PLANS
- A2-01 LIVING UNITS A, B, C AND D ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS
- A2-02 LIVING UNITS A, B, C AND D ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS
- A2-03 LIVING UNITS A, B, C AND D ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS
- A2-04 LIVING UNITS A, B, C AND D ENLARGED FLOOR PLANS
- A2-05 LIVING UNITS A, B, C AND D INTERIOR ELEVATIONS
- A3-00 LIVING UNITS E, G, AND H KEY PLANS
- A3-01 LIVING UNITS E, G, AND H ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS
- A3-02 LIVING UNITS E, G, AND H ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS
- A3-03 LIVING UNITS E, G, AND H ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS
- A3-04 LIVING UNITS E, G, AND H ENLARGED FLOOR PLANS
- A3-05 LIVING UNITS E, G, AND H INTERIOR ELEVATIONS
- A4-00 LIVING UNITS J, K KEY PLANS
- A4-01 LIVING UNITS J AND K ENLARGED FLOOR PLANS
- A4-02 LIVING UNITS J AND K ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS
- A4-03 LIVING UNITS J AND K ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS
- A4-04 LIVING UNITS J AND K ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS
- A4-05 LIVING UNITS J AND K ENLARGED FLOOR PLANS
- A4-06 LIVING UNITS J AND K INTERIOR ELEVATIONS
- STRUCTURAL**
- S1-01 TYPICAL LIVING UNITS A TO H MECHANICAL EQUIPMENT ROOM, PLAN AND DETAIL
- S1-02 TYPICAL LIVING UNITS J&K MECHANICAL EQUIPMENT ROOM, PLAN AND DETAIL

**PROJECT SCOPE**

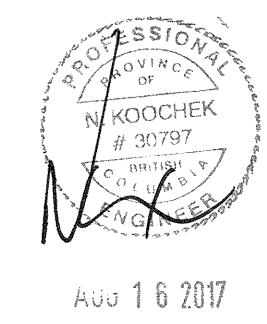
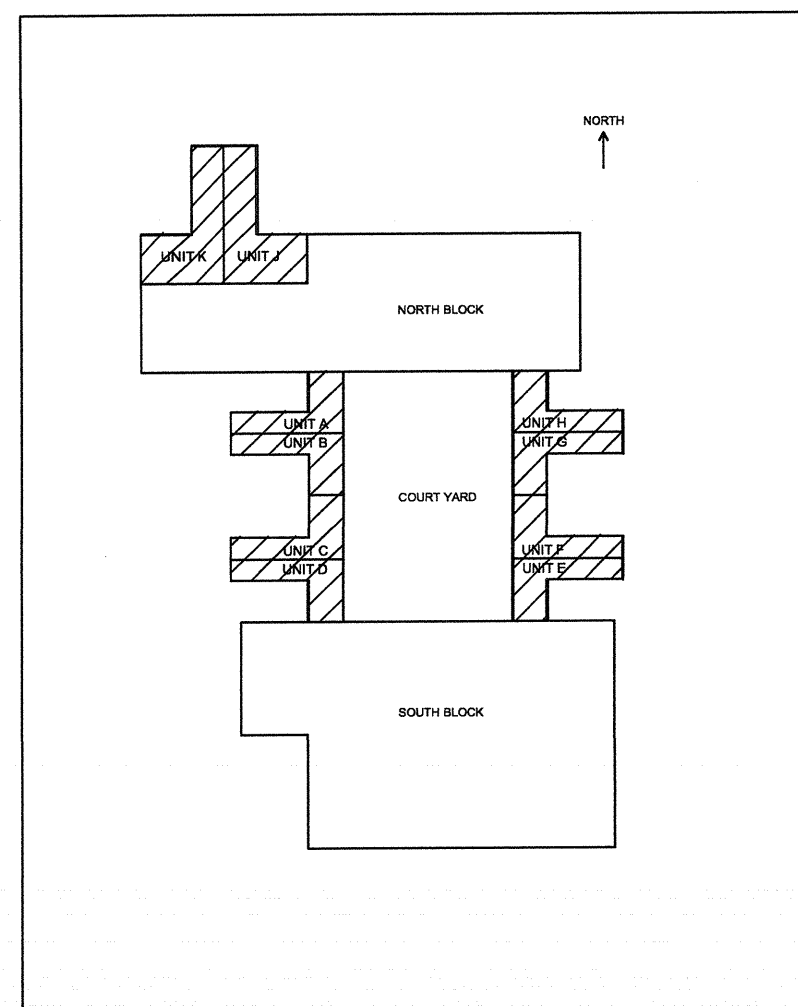
- 1- HVAC UPGRADE: CELL BLOCKS A TO H, J&K
- 2- GRILLES UPGRADE: CELL BLOCKS A TO H
- 3- PLUMBING UPGRADE: CELL BLOCKS A TO E, G, H, J, K
- 4- ISOLATION VALVES: ALL CAMPUS & TUNNEL



CONSULTANTS:



PROJECT #151-05897-02



1	ISSUED FOR TENDER	2017.08.16
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Client/client

**CORRECTIONAL SERVICE OF CANADA**

Project title/Titre du projet  
**AGASSIZ, BC KENT MAXIMUM SECURITY INSTITUTION**  
**MECHANICAL SYSTEM UPGRADE FOR CELL BLOCKS A through H and J & K**

Consultant Signature/Box Only  
 Designed by/Concept par **NK/FH**  
 Drawn by/Dessiné par **MY/ML**  
 PWGSC Project Manager/Administrateur de Projets TPSGC  
**MARVIN NG**  
 PWGSC Regional Manager, Architectural and Engineering Services/  
 Gestionnaire régional, Services d'architecture et de génie, TPSGC  
**PREETIPAL PAUL**

Drawing title/Titre du dessin  
**MECHANICAL LEGENDS AND NOTES**

Project No./No. du projet <b>R.07723.001</b>	Sheet/Feuille <b>M0-01</b>	Revision no./La Révision no. <b>1</b>
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**DRAWING LIST**

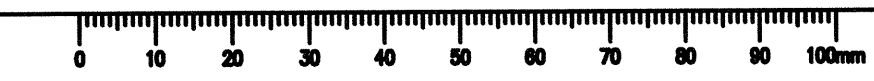
NUMBER	DESCRIPTION
M0-00	COVER SHEET, DRAWING LIST
M0-01	MECHANICAL LEGENDS AND NOTES
M0-02	OVERALL PLAN
M1-00	LIVING UNITS A TO H - KEY PLAN MECHANICAL EQUIPMENT ROOM LEVEL - (DEMO)
M1-01	LIVING UNITS A TO H MECHANICAL EQUIPMENT ROOM - (DEMO)
M1-02	LIVING UNITS A TO H - KEY PLAN TUNNEL LEVEL - (DEMO)
M1-03	LIVING UNITS A TO H TUNNEL PLAN - (DEMO)
M2-00	LIVING UNITS J & K - KEY PLAN MECHANICAL EQUIPMENT ROOM - (DEMO)
M2-01	LIVING UNITS J & K MECHANICAL EQUIPMENT ROOM - (DEMO)
M2-02	LIVING UNITS J & K - HYDRONIC SYSTEM IN NORTH MECHANICAL EQUIPMENT ROOM - (DEMO)
M3-00	LIVING UNITS A TO H - KEY PLAN MECHANICAL EQUIPMENT ROOM - (DEMO)
M3-01A	TYPICAL LIVING UNITS A TO H MECHANICAL EQUIPMENT ROOM - HVAC (RENO)
M3-01B	TYPICAL LIVING UNITS A TO H MECHANICAL EQUIPMENT ROOM - HVAC (RENO)
M3-01C	TYPICAL LIVING UNITS A TO H MECHANICAL EQUIPMENT ROOM - HYDRONIC (RENO)
M3-02	TYPICAL LIVING UNITS A TO H MECHANICAL EQUIPMENT ROOM - SECTION PLAN (RENO)
M3-03	TYPICAL LIVING UNITS A TO H MECHANICAL EQUIPMENT ROOM - 3D VIEW PLAN (RENO)
M3-04	LIVING UNITS A TO H - KEY PLAN UPPER FLOOR PLAN - (RENO)
M3-05	LIVING UNITS A TO H - KEY PLAN UPPER FLOOR PLAN - (RENO)
M3-06	LIVING UNITS A TO H - KEY PLAN TUNNEL LEVEL - (RENO)
M3-07	LIVING UNITS A TO H TUNNEL PLAN - (RENO)
M3-08	LIVING UNITS A TO H AND SEGREGATION UNITS J&K SPRINKLERS SYSTEM
M4-00	LIVING UNITS J & K - KEY PLAN MECHANICAL EQUIPMENT ROOM - (RENO)
M4-01	LIVING UNITS J & K MECHANICAL EQUIPMENT ROOM - (RENO)
M4-02	LIVING UNITS J & K - HYDRONIC SYSTEM IN NORTH MECHANICAL EQUIPMENT ROOM - (RENO)
M5-01	MECHANICAL DETAILS
M5-02	MECHANICAL DETAILS
M6-01	MECHANICAL SCHEDULES
M6-02	MECHANICAL SCHEDULES
M7-01	MECHANICAL SCHEMATIC HOT WATER HEATING SYSTEM
M8-01	EXISTING HEATING HOT WATER SYSTEM SCHEMATIC ISOLATION VALVES REPLACEMENT/ADDITION
M8-02	ISOLATION VALVES, REPLACEMENT / ADDITION PLAN
M8-03	ISOLATION VALVES, REPLACEMENT / ADDITION PLAN
M8-04	ISOLATION VALVES, REPLACEMENT / ADDITION PLAN
M8-05	ISOLATION VALVES, REPLACEMENT / ADDITION PLAN
M8-06	ISOLATION VALVES, REPLACEMENT / ADDITION PLAN
M8-07	ISOLATION VALVES, REPLACEMENT / ADDITION PLAN
M9-01	SECURITY GRILLES REPLACEMENT FOR LIVING UNIT A TO H (DEMO)
M9-02	SECURITY GRILLES REPLACEMENT FOR LIVING UNIT A TO H (RENO)
M9-03	SECURITY GRILLES REPLACEMENT FOR LIVING UNIT A TO H (DEMO & RENOV)
P0-00	PLUMBING LEGEND AND GENERAL NOTES
P1-00	LIVING UNITS A, B, C, D KEY PLANS
P1-01	LIVING UNITS A, B, C, D DEMOLITION & NEW PLUMBING PLANS
P1-02	LIVING UNITS A, B, C, D DEMOLITION & NEW PLUMBING PLANS
P1-03	LIVING UNITS A, B, C, D DEMOLITION & NEW PLUMBING PLANS
P2-00	LIVING UNITS E, G, H KEY PLANS
P2-01	LIVING UNITS E, G, H DEMOLITION & NEW PLUMBING PLANS
P2-02	LIVING UNITS E, G, H DEMOLITION & NEW PLUMBING PLANS
P2-03	LIVING UNITS E, G, H DEMOLITION & NEW PLUMBING PLANS
P3-00	LIVING UNITS J, K KEY PLANS
P3-01	LIVING UNITS J, K DEMOLITION & NEW PLUMBING PLANS
P3-02	LIVING UNITS J, K DEMOLITION & NEW PLUMBING PLANS
P3-03	LIVING UNITS J, K DEMOLITION & NEW PLUMBING PLANS
P3-04	LIVING UNITS J, K DEMOLITION & NEW PLUMBING PLANS

**GENERAL NOTES:**

- THE SITE CONDITION WILL NOT ALLEVIATE THE CONTRACTORS FROM THEIR RESPONSIBILITY TO EXECUTE THE CONTRACT DOCUMENTS TO THEIR FULL INTENT.
- CONTRACTOR TO CONFIRM AND VERIFY EXISTING CONDITION, LOCATIONS, SIZES OF ALL MECHANICAL, ELECTRICAL, AND GENERAL CONTRACT WORK, PRIOR TO START OF WORK.
- REMOVE AND RECONNECT ANY EXISTING PIPING, EQUIPMENT, ELECTRICAL, CONTROLS, ETC. TO COMPLETE NEW WORK.
- INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. INSTALL UNITS PLUMB AND LEVEL, FIRMLY ANCHORED IN LOCATIONS INDICATED AND MAINTAIN MANUFACTURER'S RECOMMENDED CLEARANCES.
- CONTRACTOR SHALL COORDINATE VOLTAGE AND PHASE OF EACH PIECE OF EQUIPMENT WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING.
- PROVIDE CORING, SCANNING, CUTTING AND PATCHING TO PERFORM WORK. PATCH AND MAKE GOOD ALL WORK. PRIOR TO CUTTING AND CORING, REQUIRES APPROVAL FROM STRUCTURAL ENGINEER.
- THE DRAWINGS INDICATE THE GENERAL ROUTING OF THE SYSTEMS AND ARE DIAGRAMMATIC IN NATURE. THEY ESTABLISH SCOPE, MATERIAL AND INSTALLATION QUALITY AND ARE NOT DETAILED INSTALLATION INSTRUCTIONS. THE EXACT ROUTING OF ALL PIPING SYSTEMS IS TO BE COORDINATED ON SITE TO AVOID CONFLICTS WITH THE WORK OF OTHER DISCIPLINES.
- DEMOLITION DRAWINGS ARE BASED ON THE RECORD DRAWINGS. ACTUAL DIMENSIONS AND LOCATIONS MAY BE DIFFERENT FROM WHAT IS SHOWN ON THESE DRAWINGS. CONTRACTOR TO ALLOW FOR SUCH VARIANCES IN THE TENDER PRICE.
- LEGALLY DISPOSE OF ALL DEMOLISHED AND UNUSED MATERIALS SUCH AS DUCTWORK, PIPING, EQUIPMENT, ETC. TURN OVER ANY RE-USEABLE MATERIALS AT OWNERS DISCRETION AND DECISION.

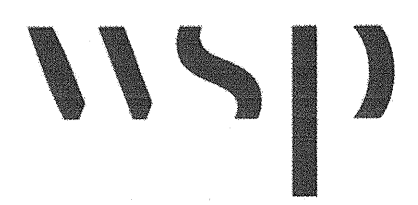
**MECHANICAL LEGEND**

AC	AIR CONDITIONING UNIT	GV	GLOBE VALVE	HWS	NEW HOT WATER HEATING SUPPLY PIPE
AHU	AIR HANDLING UNIT	AV	AUTO AIR VENT	HWR	NEW HOT WATER HEATING RETURN PIPE
AP	ACCESS PANEL	BV	BALANCING VALVE WITH MEMORY STOP	RV	NEW REFRIGERANT SUPPLY PIPE
BDD	BACKDRAFT DAMPER	CV	CHECK VALVE	RL	NEW REFRIGERANT RETURN PIPE
CU	CONDENSING UNIT	2CV	2-WAY CONTROL VALVE	D	NEW CONDENSATE DRAIN PIPE
DEMO	DEMOLITION	3CV	3-WAY CONTROL VALVE	HWS	EXISTING HOT WATER SUPPLY PIPE
EF	EXHAUST FAN	GV	GATE VALVE	HWR	EXISTING HOT WATER RETURN PIPE
EIA	EXHAUST AIR	C	PIPE DROP	CWS	EXISTING CHILLED WATER SUPPLY PIPE
(E)	EXISTING	UT	PIPE TRAP	CWR	EXISTING CHILLED WATER RETURN PIPE
FCU	FAN COIL UNIT	OR	PIPE RISER	SIZE	EXISTING DUCTWORK
FF	FINISH FLOOR	IB	PIPE BREAK	SIZE	EXISTING FIRE DAMPER (THROUGH FLOOR)
HC	COOLING/HEAT COIL	IV	PLUG VALVE	SIZE	EXISTING FIRE DAMPER (THROUGH WALL)
LU	LIVING UNIT	PG	PRESSURE GAUGE	SIZE	EXISTING SPRINKLER HEAD
M	MOTORIZED DAMPER	PRV	PRESSURE REDUCING VALVE	SIZE	EXISTING SPRINKLER HEAD TO BE RELOCATED
OIA	OUTSIDE AIR	PRRV	PRESSURE RELIEF VALVE	SIZE	RELOCATED EXISTING SPRINKLER HEAD
PICV	PRESSURE INDEPENDENT CONTROL VALVE	U	UNION	SIZE	NEW SPRINKLER HEAD
RENO	RENOVATION	VN	VALVE NORMALLY CLOSED	SIZE	PIPE UP
RHC	REHEAT COIL	TM	THERMOMETER	SIZE	PIPE DOWN
UH	UNIT HEATER	P	PUMP	SIZE	THERMOSTAT
WF	WALL FIN	PH	PHASE HEATER	SIZE	PRESSURE INDICATOR
		T	PT PORT	SIZE	GRILLE, LOUVRE, DIFFUSER SIZE OR NECK DIAMETER
		AF	AIRFLOW	SIZE	AIR QUANTITY (liters)
		AR	ARROW	SIZE	EQUIPMENT DESIGNATION
		ST	STRAINER	SIZE	EQUIPMENT NUMBER
		C	CAP	SIZE	SUPPLY AIR DIFFUSER
		25mm	25mm ACOUSTIC DUCT INSULATION	SIZE	RETURN AIR GRILLE
		WORK	WORK TO BE REMOVED	SIZE	SUPPLY DUCT DROP
		CE	CONNECT TO EXISTING	SIZE	RETURN DUCT DROP
		B	BALANCING DAMPER	SIZE	RETURN DUCT UP
		BDD	BACKDRAFT DAMPER	SIZE	EXHAUST DUCT DROP
		FD	FIRE DAMPER (WALL)	SIZE	EXHAUST DUCT UP
		FD	FIRE DAMPER (FLOOR)	SIZE	SUPPLY DUCT RISER
		SIZE	INTERNAL CLEAR DUCT DIMENSIONS (WIDTH X DEPTH)	SIZE	RETURN DUCT RISER
		FD	FIRE DAMPER (THROUGH FLOOR)	SIZE	EXHAUST DUCT RISER
		FD	FIRE DAMPER (THROUGH WALL)	SIZE	TURNING VANE
		DETAIL #	DETAIL DESCRIPTION	SIZE	
		A	SCALE	SIZE	
		B	DRAWING #	SIZE	
		SECTION #	SECTION #	SIZE	
		M1-01	DRAWING #	SIZE	

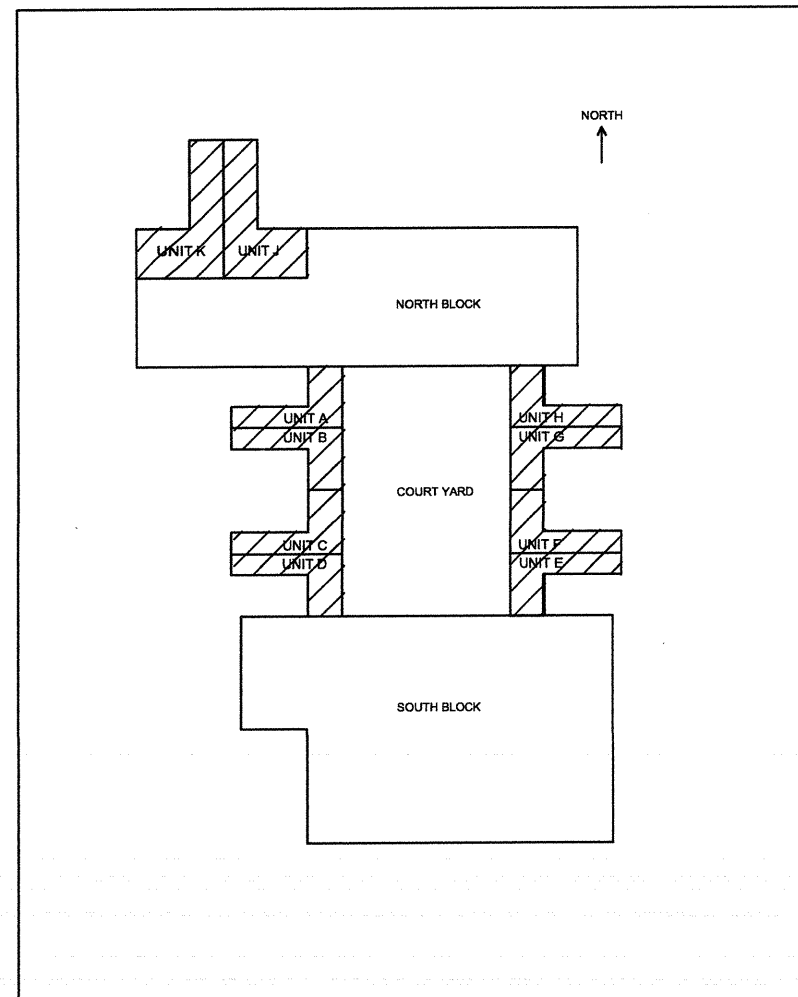




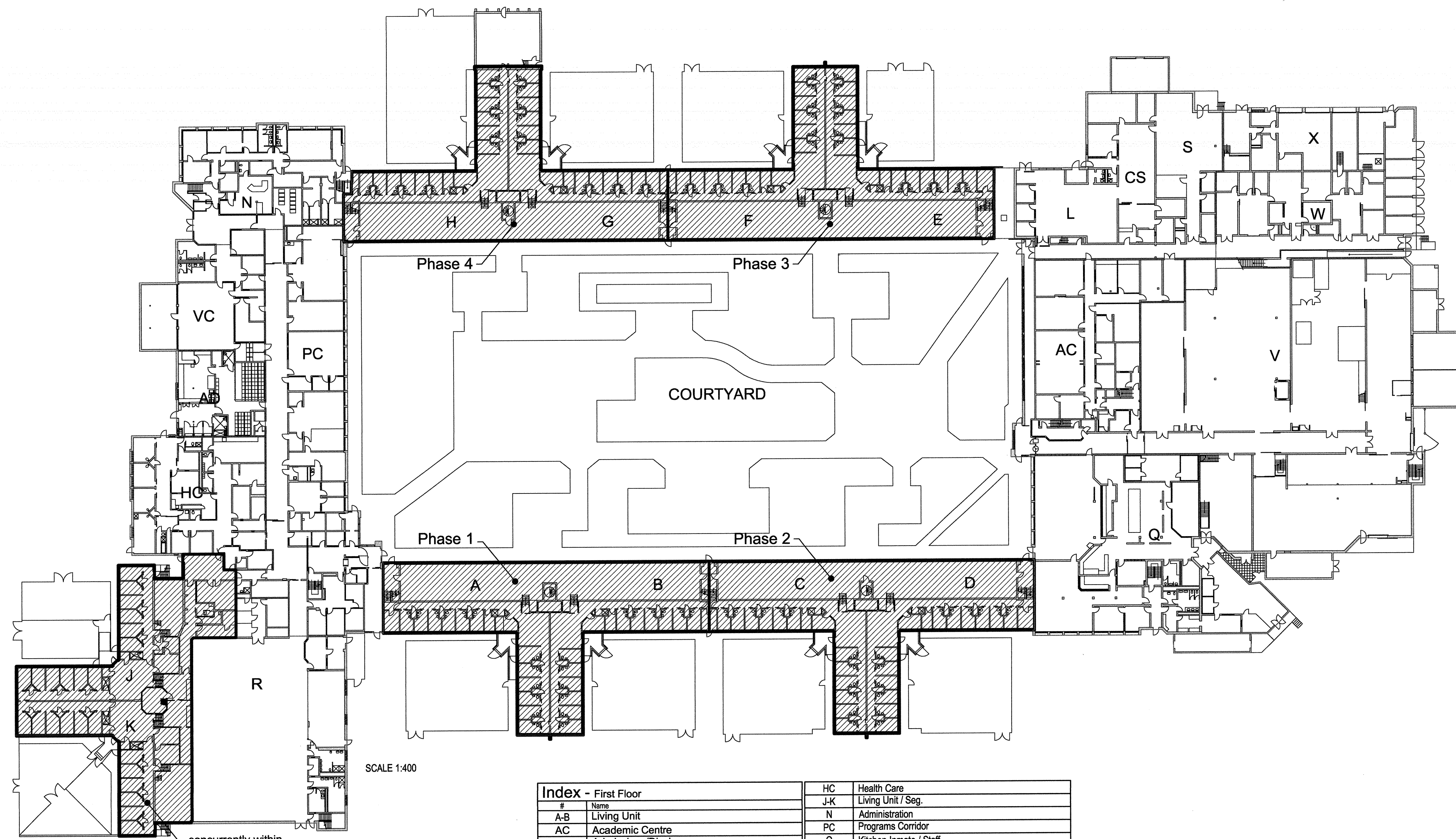
CONSULTANTS:



PROJECT #151-05897-02



#	Area of Work	Work Scope	Drawing Series	Remarks
Phase 1	Living Units A&B	HVAC, Plumbing, Security Grills	M0, M1, M3, M5, M6, M7, M8, P0, P1, P2	
Phase 2	Living Units C&D	HVAC, Plumbing, Security Grills	M0, M1, M3, M5, M6, M7, M8, P0, P1, P2	
Phase 3	Living Units E&F	HVAC, Plumbing, Security Grills	M0, M1, M3, M5, M6, M7, M8, P0, P1, P2	
Phase 4	Living Units G&H	HVAC, Plumbing, Security Grills	M0, M1, M3, M5, M6, M7, M8, P0, P1, P2	
See Remarks	Living Units J&K Heating Pipes System	HVAC, Plumbing Isolating Valves	M0, M2, M4, M5, M6, M7, P0, P3 M8	Concurrently Within Phase 1 to 4



SCALE 1:400

Index - First Floor			
#	Name	HC	Health Care
A-B	Living Unit	J-K	Living Unit / Seg.
AD	Admissions/Discharge	N	Administration
C-D	Living Unit	PC	Programs Corridor
CS-L-S	Clothing & Supplies / Laundry / Stores	Q	Kitchen Inmate / Staff
E-F	Living Unit	R	Recreation
G-H	Living Unit	V	Industries
		VC	Visiting/Correspondence
		W-X	Maintenance Storage & Shops



1	ISSUED FOR TENDER	2017.08.16
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Revision/Description/Date/Date

Client/client

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**AGASSIZ, BC  
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 INSTITUTION**  
**MECHANICAL SYSTEM  
 UPGRADE FOR CELL BLOCKS  
 A through H and J & K**

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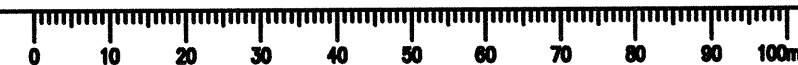
PWGSC Project Manager/Administrateur de Projets TPSSG  
**MARVIN NG**

PWGSC Regional Manager, Architectural and Engineering Services/  
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**PREETIPAL PAUL**

Drawing title/Titre du dessin  
**OVERALL PLAN**

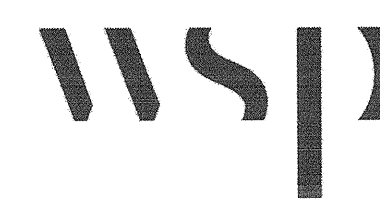
Project No./No. du projet	Sheet/Feuille	Revision no./ Le. Révision no.
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**R.077723.001**      **M0-02**      **1**

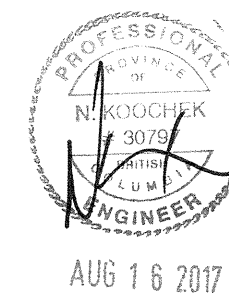
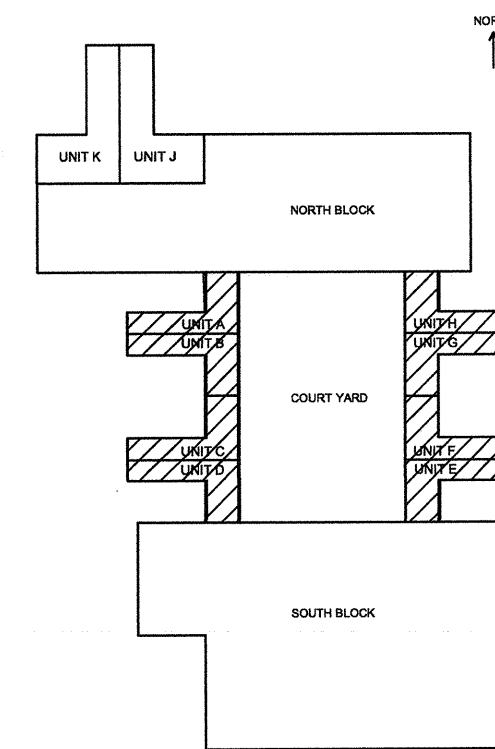




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PROJECT #151-05897-02



1	ISSUED FOR TENDER	2017.08.16
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Revision/ Révision	Description/Description	Date/Date
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Client/Client  
**CORRECTIONAL SERVICE OF CANADA**

Project title/Titre du projet  
**AGASSIZ, BC  
KENT MAXIMUM SECURITY  
INSTITUTION  
MECHANICAL SYSTEM  
UPGRADE FOR CELL BLOCKS  
A through H and J & K**

Consultant Signature Box Only

Designed by/Concept par  
**NK/FH**

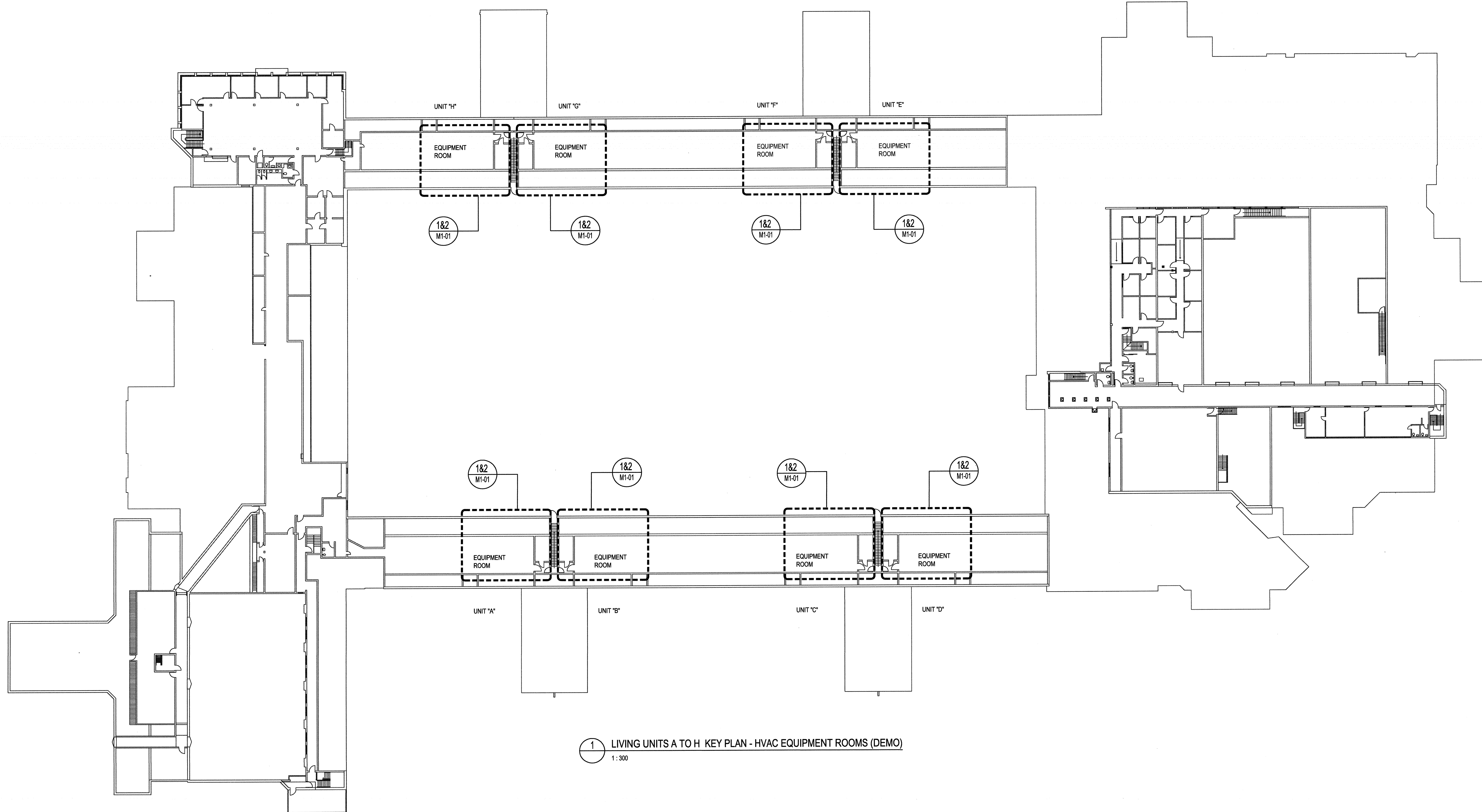
Drawn by/Dessiné par  
**MY/ML**

PWSSC Project Manager/Administrateur de Projets TPSSC  
**MARVIN NG**

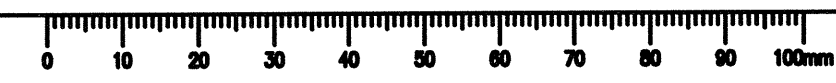
PWSSC Regional Manager, Architectural and Engineering Services / Gestionnaire régionale, services d'architecture et de génie, TPSSC  
**PREETIPAL PAUL**

Drawing title/Titre du dessin  
**LIVING UNITS A TO H  
KEY PLAN  
MECHANICAL EQUIPMENT  
ROOM LEVEL  
(DEMO)**

Project No./No. du projet <b>R.077723.001</b>	Sheet/Feuille <b>M1-00</b>	Revision no./ La Révision no. <b>1</b>
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1 LIVING UNITS A TO H KEY PLAN - HVAC EQUIPMENT ROOMS (DEMO)  
1:300

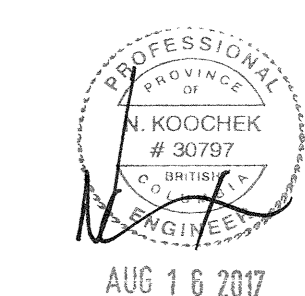
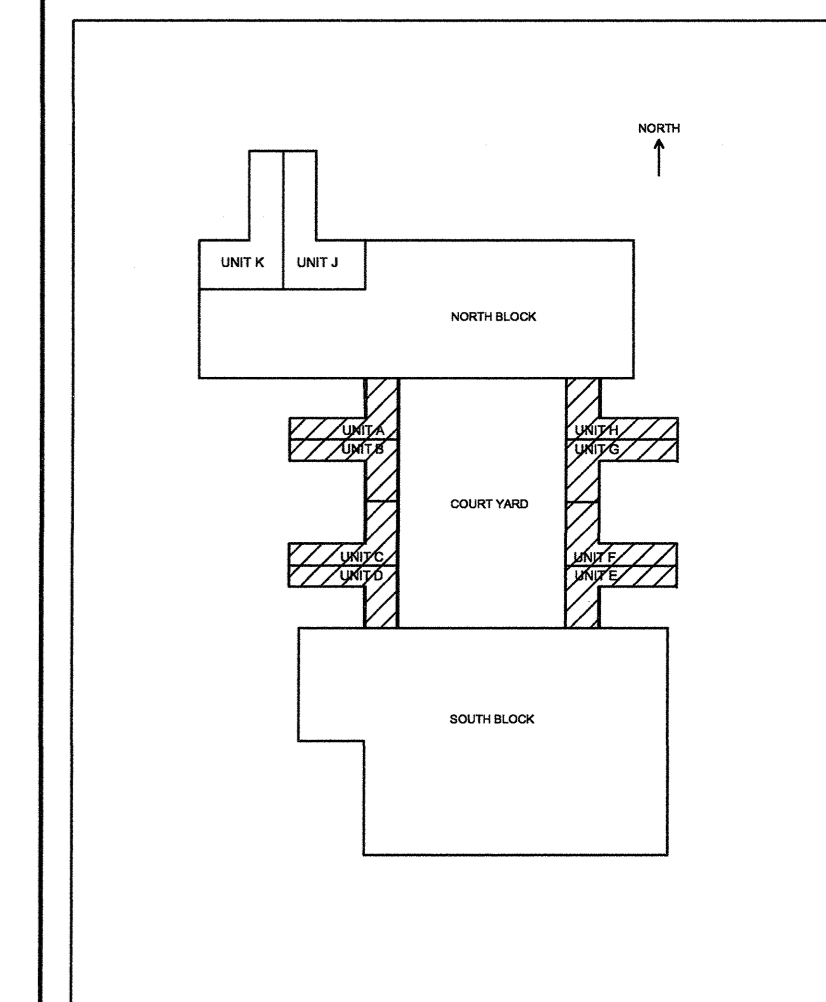




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PROJECT #151-05897-02



1	ISSUED FOR TENDER	2017.08.16
Revision/	Description/Description	Date/Date

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KENT MAXIMUM SECURITY  
INSTITUTION**

**MECHANICAL SYSTEM  
UPGRADE FOR CELL BLOCKS  
A through H and J & K**

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Designed by/Concept par

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MY/ML

PWGSC Project Manager/Administrateur de Projets TPSGC

MARVIN NG

PWGSC Regional Manager, Architectural and Engineering Services /  
Services régionaux, Services d'architecture et de génie, TPSGC

PREETIPAL PAUL

Drawing title/Titre du dessin

**LIVING UNITS A TO H  
MECHANICAL EQUIPMENT  
ROOM (DEMO)**

Project No./No. du projet

R.077723.001

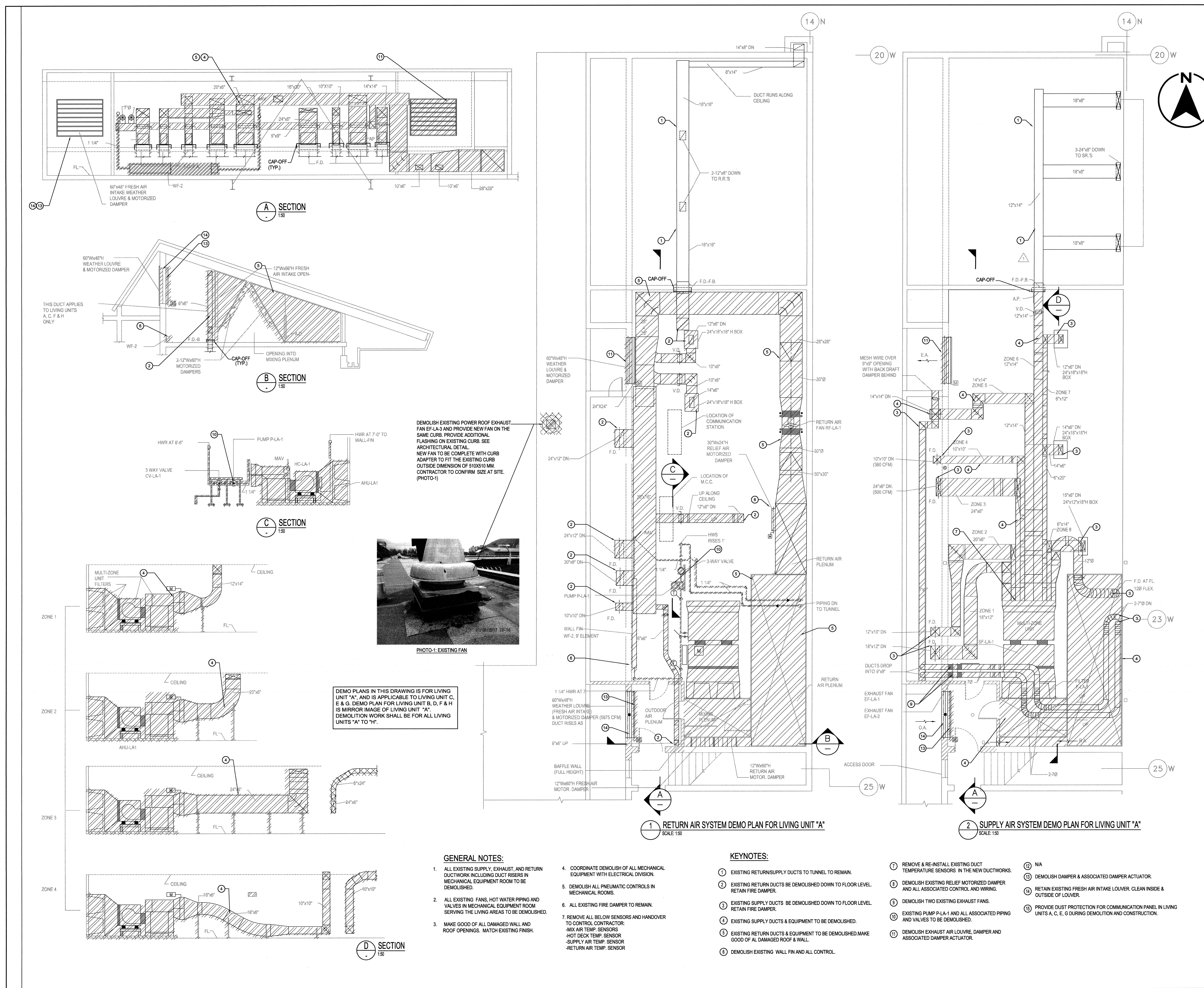
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M1-01

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Revision no./  
La Révision  
no.

1



**A SECTION**  
SCALE 1/50

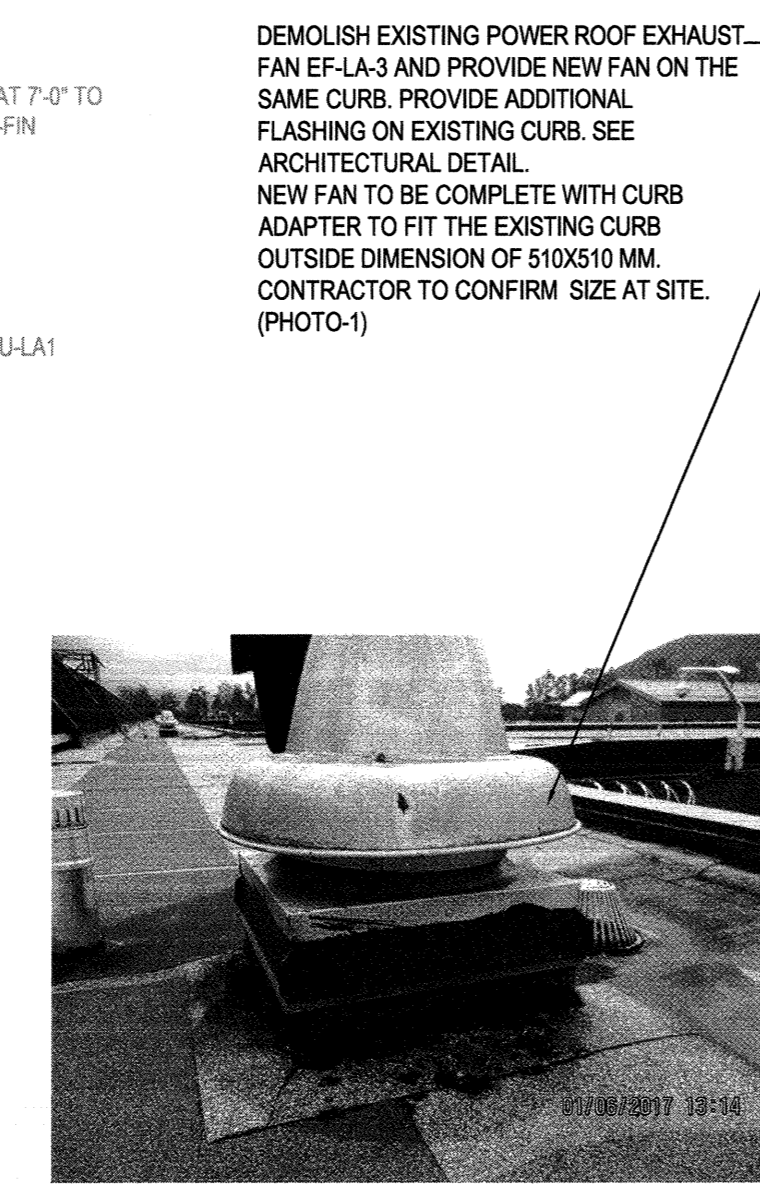
**B SECTION**  
SCALE 1/50

**C SECTION**  
SCALE 1/50

**D SECTION**  
SCALE 1/50

**1 RETURN AIR SYSTEM DEMO PLAN FOR LIVING UNIT "A"**  
SCALE 1/50

**2 SUPPLY AIR SYSTEM DEMO PLAN FOR LIVING UNIT "A"**  
SCALE 1/50



DEMO PLANS IN THIS DRAWING IS FOR LIVING UNIT "A", AND IS APPLICABLE TO LIVING UNIT C, E & G. DEMO PLAN FOR LIVING UNITS B, D, F & H IS MIRROR IMAGE OF LIVING UNIT "A". DEMOLITION WORK SHALL BE FOR ALL LIVING UNITS "A" TO "H".

**GENERAL NOTES:**

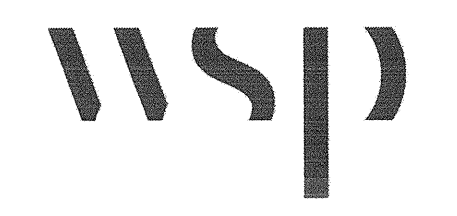
- ALL EXISTING SUPPLY, EXHAUST, AND RETURN DUCTWORK INCLUDING DUCT RISERS IN MECHANICAL EQUIPMENT ROOM TO BE DEMOLISHED.
- ALL EXISTING FANS, HOT WATER PIPING AND VALVES IN MECHANICAL EQUIPMENT ROOM SERVING THE LIVING AREAS TO BE DEMOLISHED.
- MAKE GOOD OF ALL DAMAGED WALL AND ROOF OPENINGS. MATCH EXISTING FINISH.
- COORDINATE DEMOLISH OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL DIVISION.
- DEMOLISH ALL PNEUMATIC CONTROLS IN MECHANICAL ROOMS.
- ALL EXISTING FIRE DAMPER TO REMAIN.
- REMOVE ALL BELOW SENSORS AND HANDOVER TO CONTROL CONTRACTOR:  
- MIX AIR TEMP. SENSORS  
- HOT DECK TEMP. SENSOR  
- SUPPLY AIR TEMP. SENSOR  
- RETURN AIR TEMP. SENSOR

**KEYNOTES:**

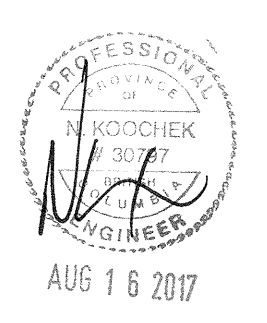
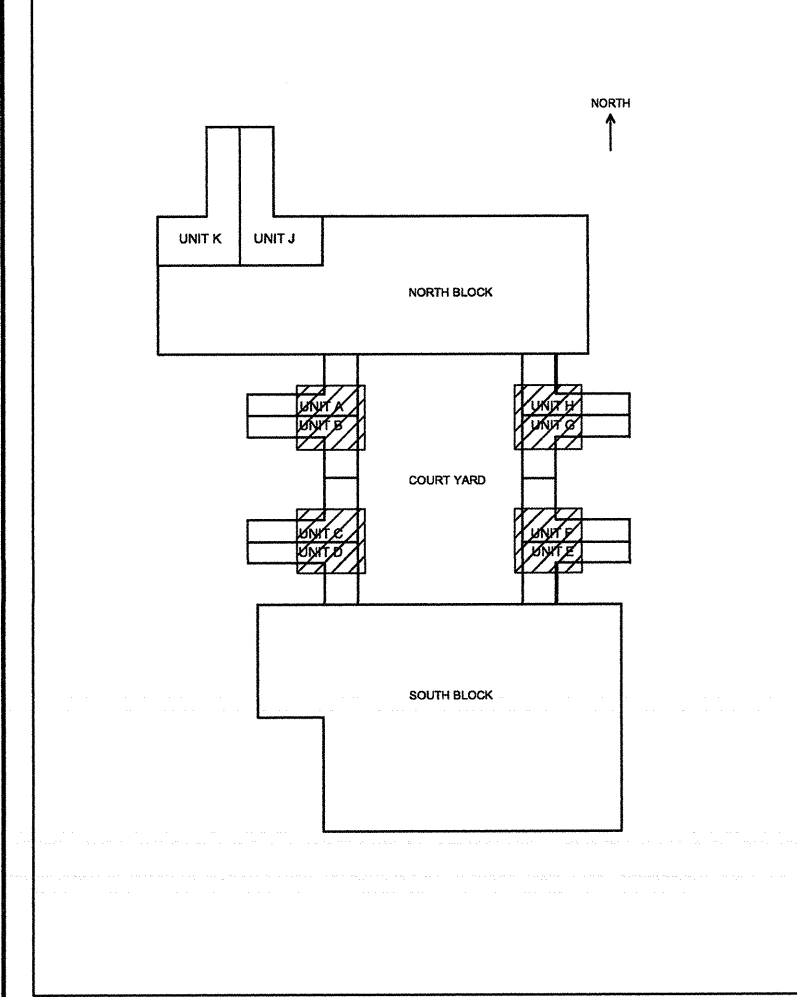
- EXISTING RETURN/SUPPLY DUCTS TO TUNNEL.
- EXISTING RETURN DUCTS BE DEMOLISHED DOWN TO FLOOR LEVEL. RETAIN FIRE DAMPER.
- EXISTING SUPPLY DUCTS BE DEMOLISHED DOWN TO FLOOR LEVEL. RETAIN FIRE DAMPER.
- EXISTING SUPPLY DUCTS & EQUIPMENT TO BE DEMOLISHED.
- EXISTING RETURN DUCTS & EQUIPMENT TO BE DEMOLISHED. MAKE GOOD OF ALL DAMAGED ROOF & WALL.
- DEMOLISH EXISTING WALL FIN AND ALL CONTROL.
- REMOVE & RE-INSTALL EXISTING DUCT TEMPERATURE SENSORS IN THE NEW DUCTWORKS.
- DEMOLISH EXISTING RELIEF MOTORIZED DAMPER AND ALL ASSOCIATED CONTROL AND WIRING.
- DEMOLISH TWO EXISTING EXHAUST FANS.
- EXISTING PUMP P-LA-1 AND ALL ASSOCIATED PIPING AND VALVES TO BE DEMOLISHED.
- DEMOLISH EXHAUST AIR LOUVER, DAMPER AND ASSOCIATED DAMPER ACTUATOR.
- N/A
- DEMOLISH DAMPER & ASSOCIATED DAMPER ACTUATOR.
- RETAIN EXISTING FRESH AIR INTAKE LOUVER. CLEAN INSIDE & OUTSIDE OF LOUVER.
- PROVIDE DUST PROTECTION FOR COMMUNICATION PANEL IN LIVING UNITS A, C, E, G DURING DEMOLITION AND CONSTRUCTION.



CONSULTANTS:



PROJECT #151-05897-02



1	ISSUED FOR TENDER	2017.08.16
Revision/	Description/Description	Date/Date

Client/Client  
**CORRECTIONAL SERVICE OF CANADA**

Project title/Titre du projet  
**AGASSIZ, BC  
KENT MAXIMUM SECURITY  
INSTITUTION  
MECHANICAL SYSTEM  
UPGRADE FOR CELL BLOCKS  
A through H and J & K**

Consultant: Signature Box Only

Designed by/Concept par  
**NK/FH**

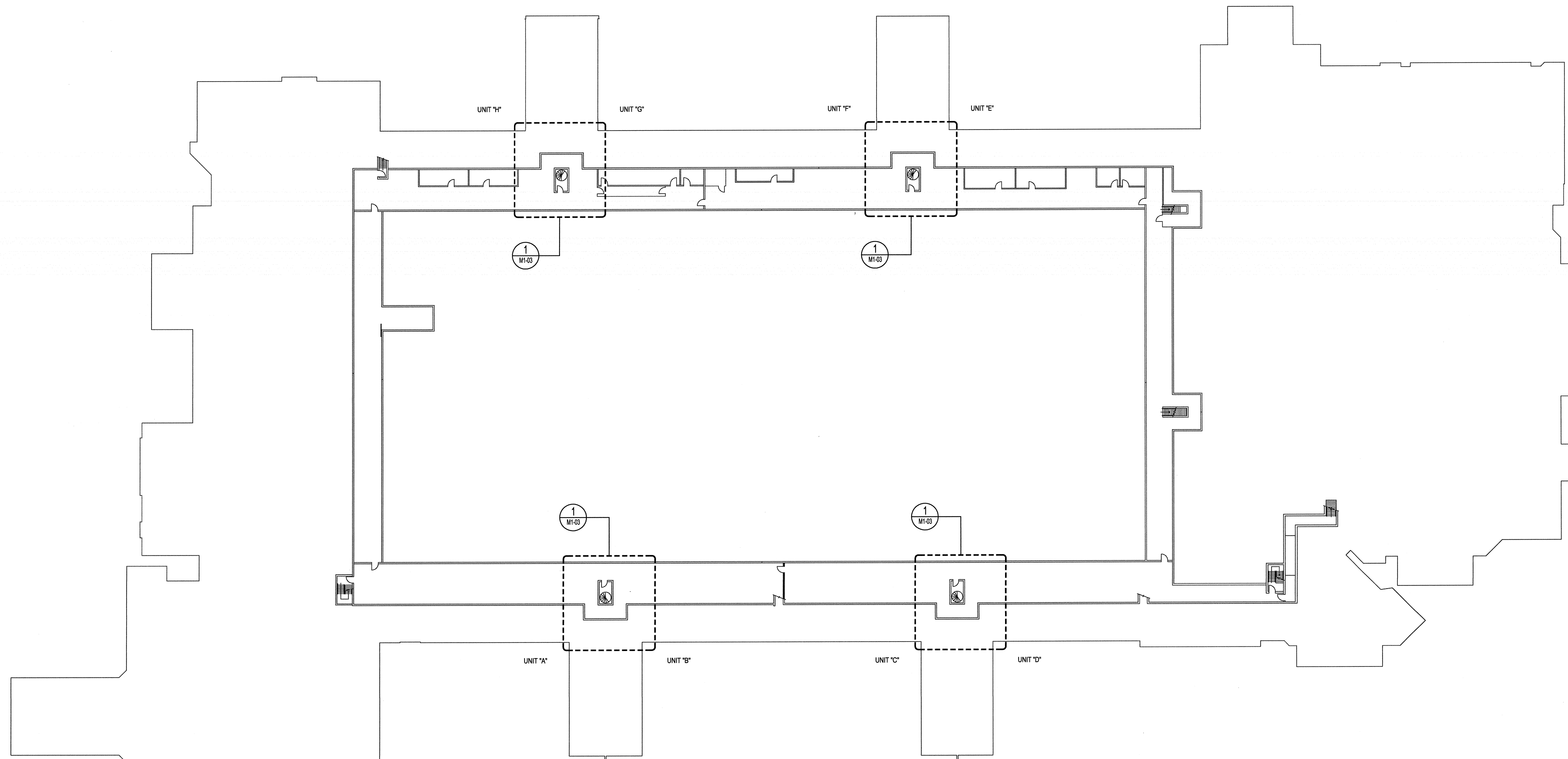
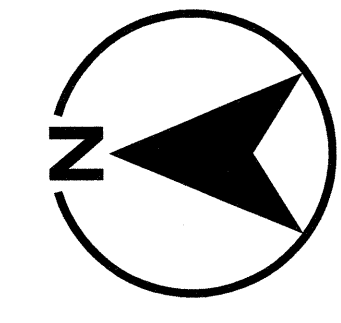
Drawn by/Dessiné par  
**MY/ML**

PWSC Project Manager/Administrateur de Projets TPSGC  
**MARVIN NG**

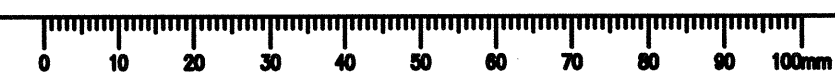
PWSC Regional Manager, Architectural and Engineering Services/  
Gestionnaire Régional, Services d'architectural et de génie, TPSGC  
**PREETIPAL PAUL**

Drawing title/Titre du dessin  
**LIVING UNITS A TO H  
KEY PLAN  
TUNNEL LEVEL (DEMO)**

Project No./No. du projet <b>R.077723.001</b>	Sheet/Feuille <b>M1-02</b>	Revision no./ La Révision no. <b>1</b>
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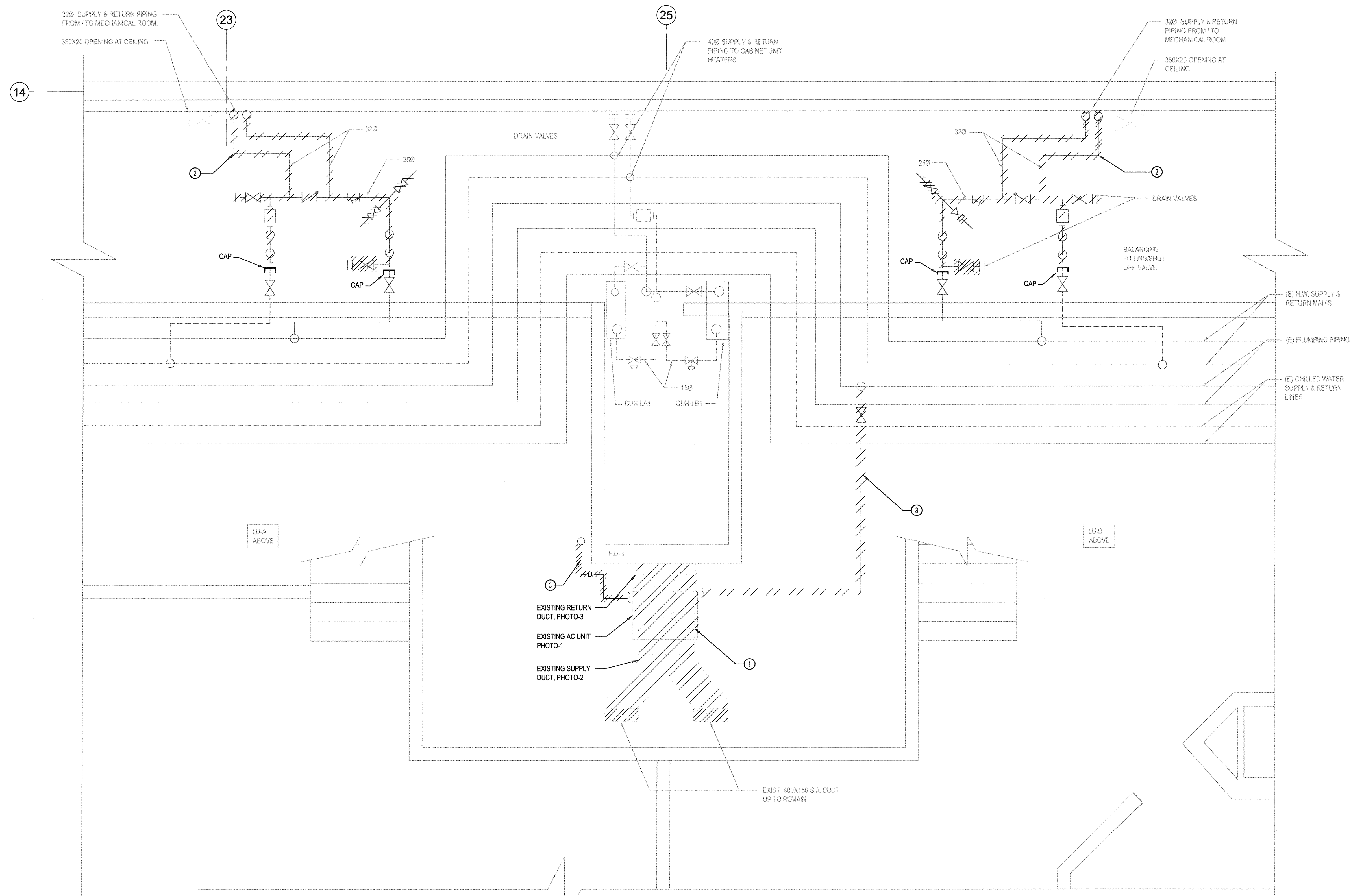
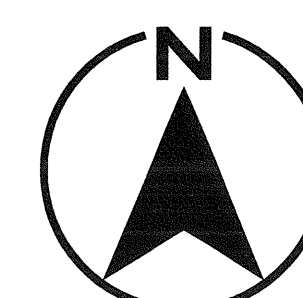
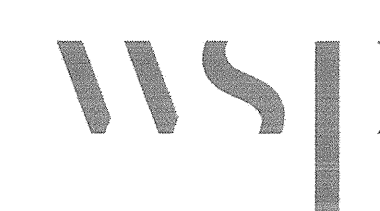


1 LIVING UNITS A TO H KEY PLAN -TUNNEL LEVEL (DEMO)  
1:300

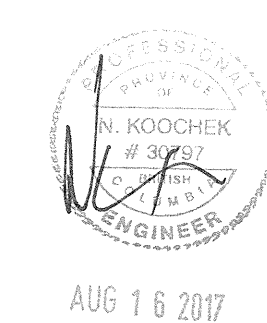
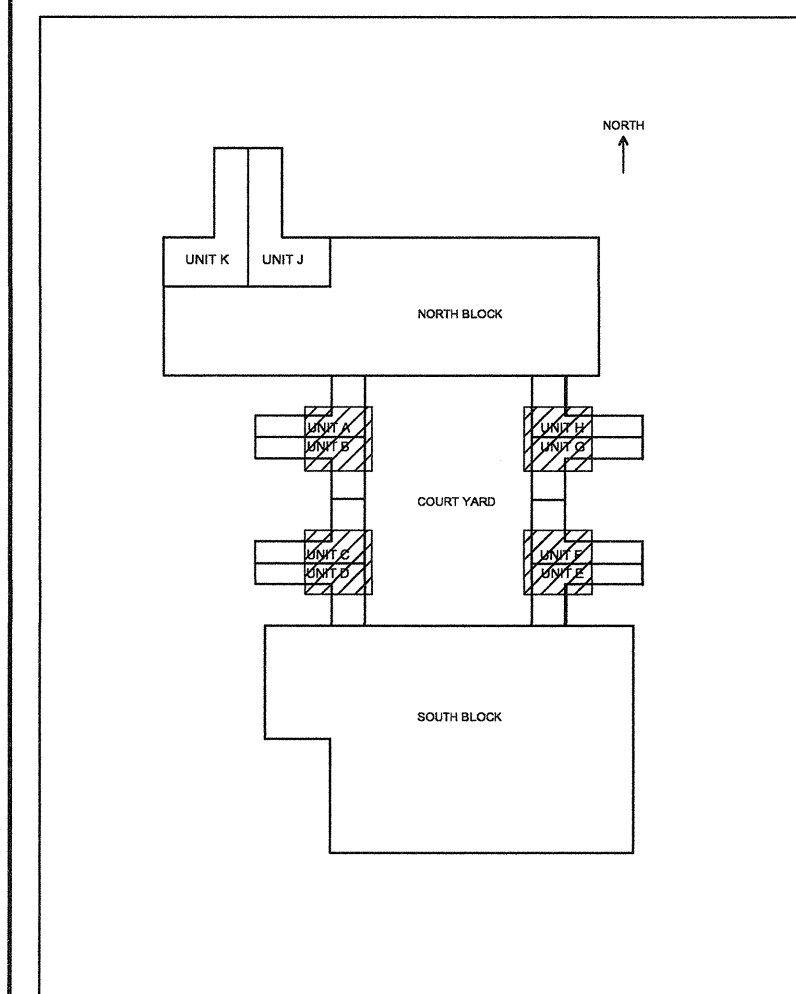




CONSULTANTS:



PROJECT #151-05897-02



1 LIVING UNIT - TUNNEL HVAC FLOOR PLAN FOR AC UNIT & HYDRONIC PIPING (DEMO)  
1:50 FOR LIVING UNITS: A&B, C&D, E&F, G&H

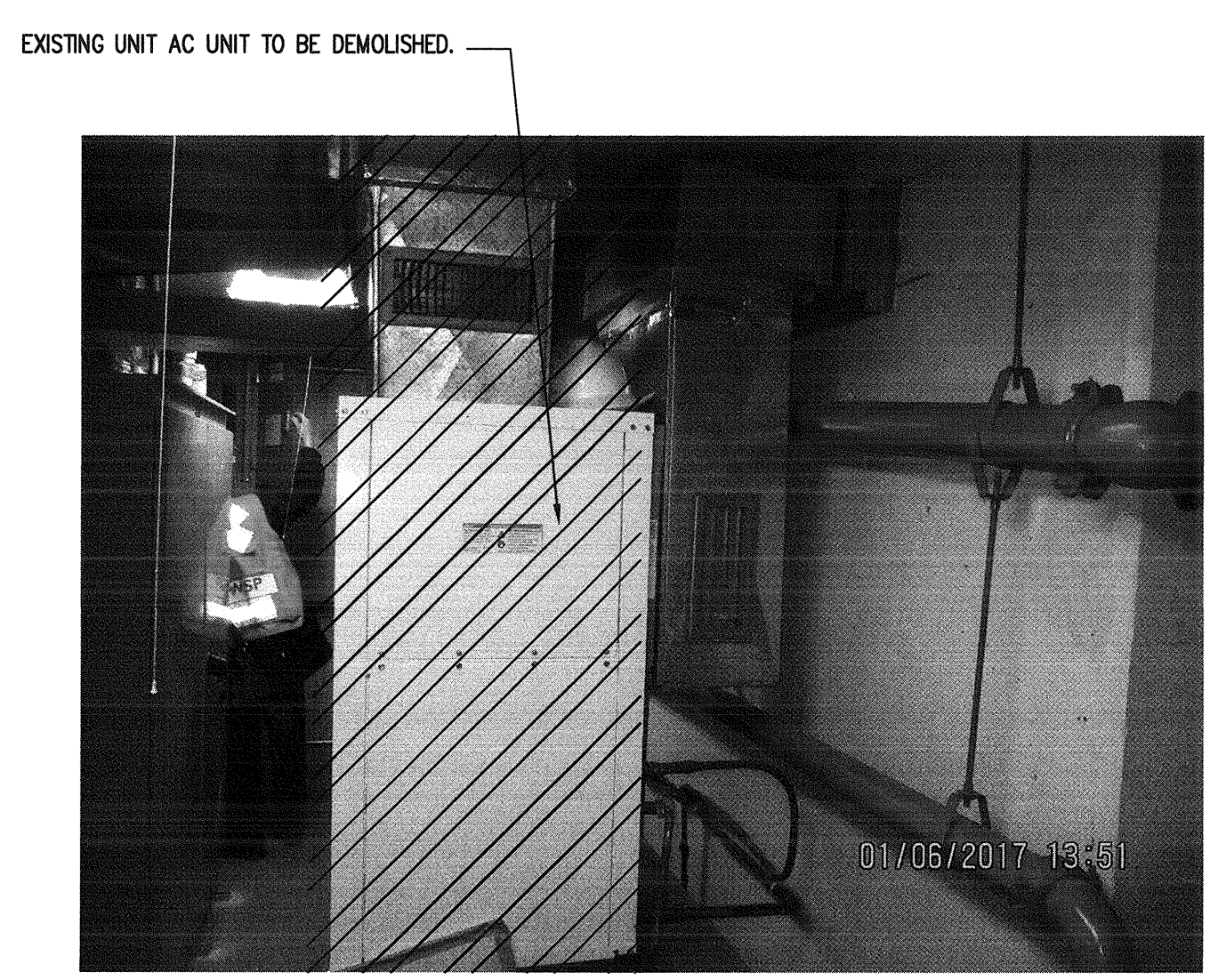


PHOTO-1

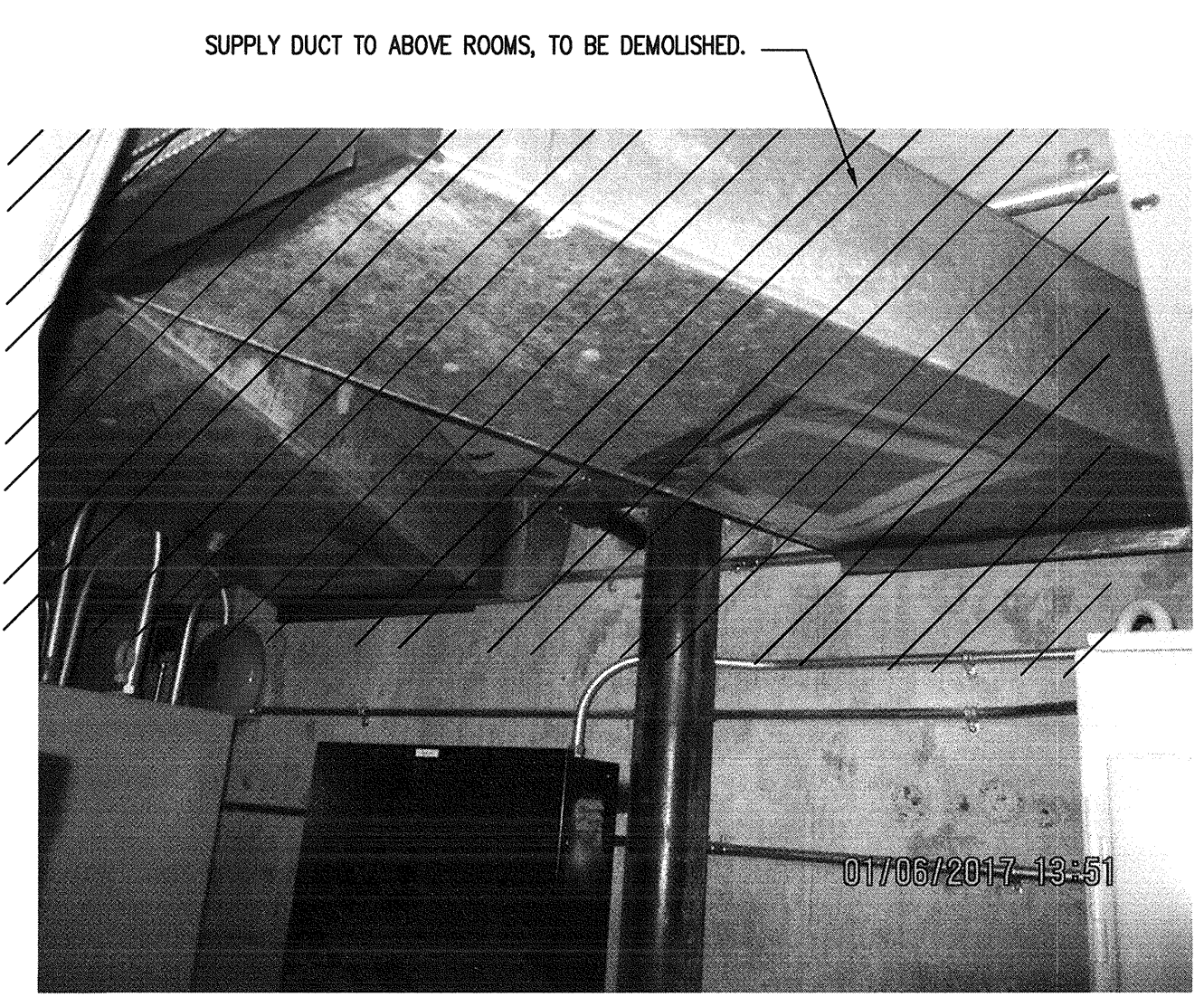


PHOTO-2

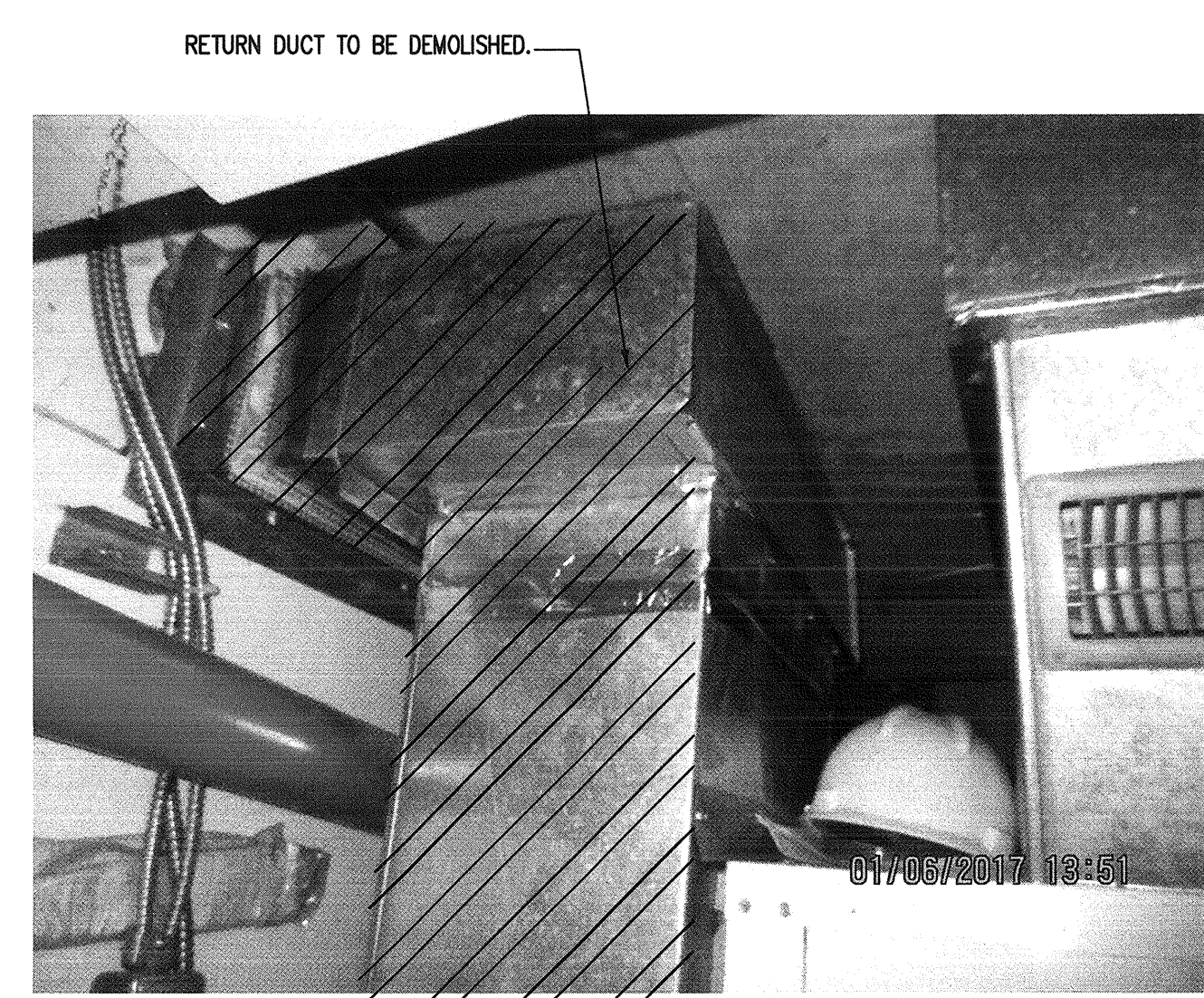


PHOTO-3

**GENERAL NOTES:**

- COORDINATE REMOVAL OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL DIVISION.
- MAKE GOOD OF ALL DAMAGED WALL OPENINGS. MATCH EXISTING FINISH.
- ALL EXISTING FIRE DAMPER TO REMAIN.

**KEY NOTES:**

- DEMOLISH FLOOR MOUNTED AC UNIT WITH ASSOCIATED DUCTING, RETURN GRILL AND PIPING (PHOTO-1, 2, AND 3).
- DEMOLISH HYDRONIC PIPING AND VALVES.
- DEMOLISH DOMESTIC COLD WATER, VALVES AND DRAIN PIPING.

1	ISSUED FOR TENDER	2017.08.16
Revision/Revisions	Description/Description	Date/Date

Client/client  
**CORRECTIONAL SERVICE OF CANADA**

Project title/Titre du projet  
**AGASSIZ, BC KENT MAXIMUM SECURITY INSTITUTION**  
**MECHANICAL SYSTEM UPGRADE FOR CELL BLOCKS A through H and J & K**

Consultant Signature Box Only  
Designed by/Concept par  
**NK/FH**  
Drawn by/Dessiné par  
**MY/ML**  
PWGSC Project Manager/Administrateur de Projets TPSGC  
**MARVIN NG**  
PWGSC Regional Manager, Architectural and Engineering Services/  
Gestionnaire régional, services d'architecture et de génie, TPSGC  
**PREETIPAL PAUL**

Drawing title/Titre du dessin  
**LIVING UNITS A TO H TUNNEL PLAN (DEMO)**

Project No./No. du projet <b>R.077723.001</b>	Sheet/Feuille <b>M1-03</b>	Revision no./ Lo. Révision no. <b>1</b>
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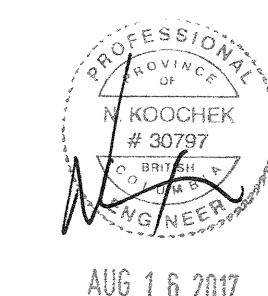
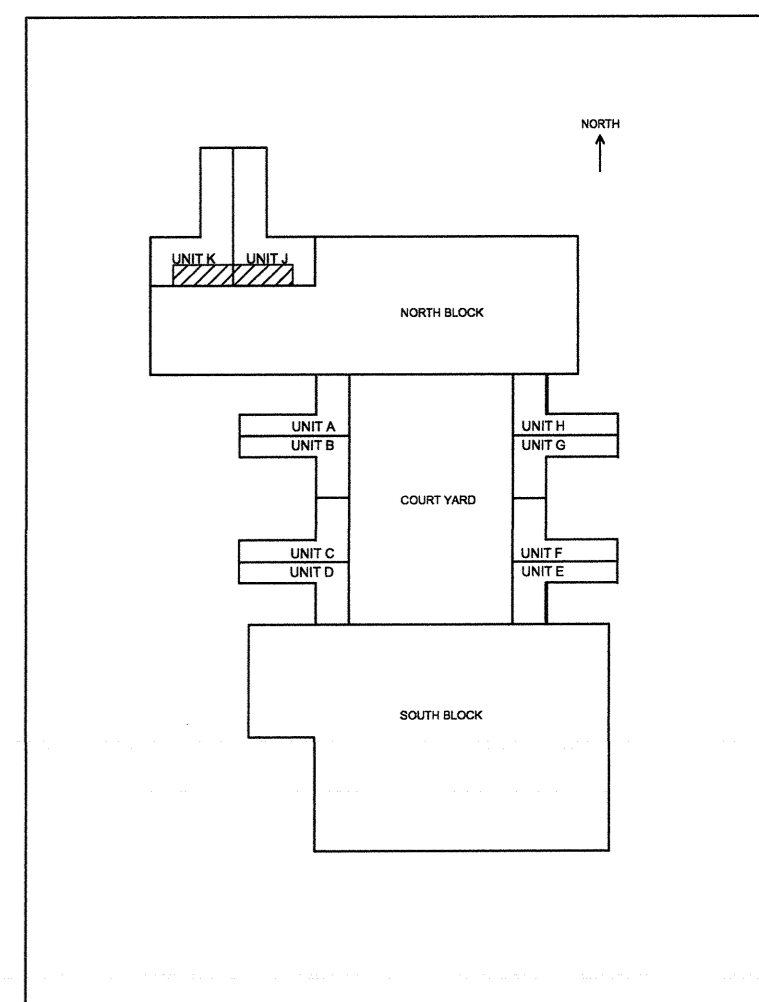




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PROJECT #151-05897-02



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Revision/Revisión	Description/Description	Date/Date

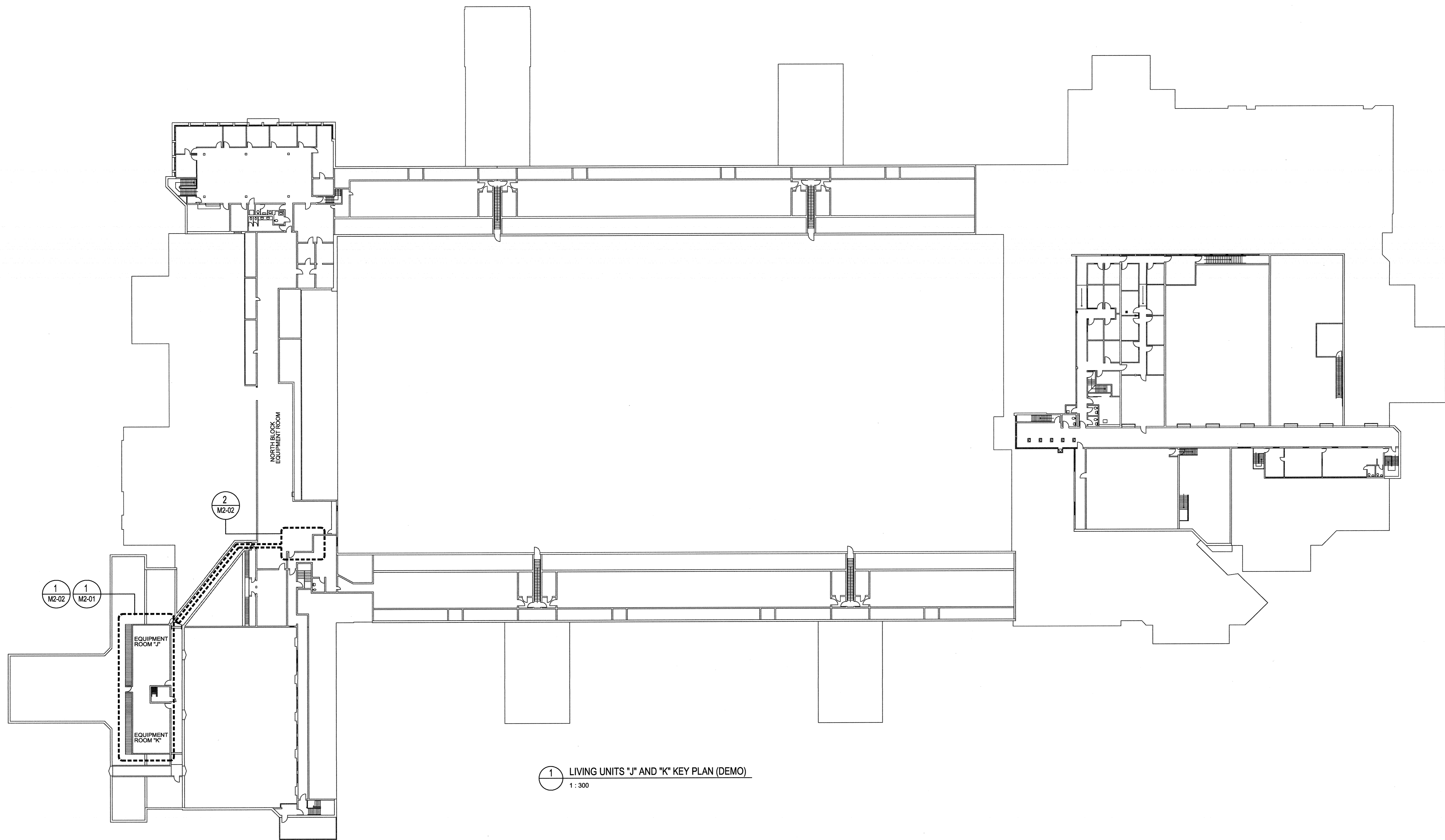
Client/client  
**CORRECTIONAL SERVICE OF CANADA**

Project title/Titre du projet  
**AGASSIZ, BC  
KENT MAXIMUM SECURITY  
INSTITUTION  
MECHANICAL SYSTEM  
UPGRADE FOR CELL BLOCKS  
A through H and J & K**

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**MY/ML**  
PWGSC Project Manager/Administrateur de Projets TPSCG  
**MARVIN NG**  
PWGSC, Regional Manager, Architectural and Engineering Services/  
Gestionnaire régionale, Services d'architectural et de génie, TPSCG  
**PREETIPAL PAUL**

Drawing title/Titre du dessin  
**LIVING UNITS J & K  
KEY PLAN  
MECHANICAL EQUIPMENT  
ROOM (DEMO)**

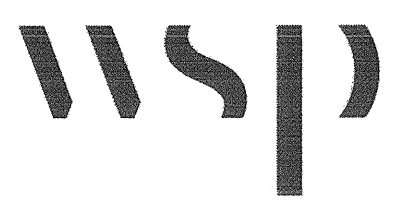
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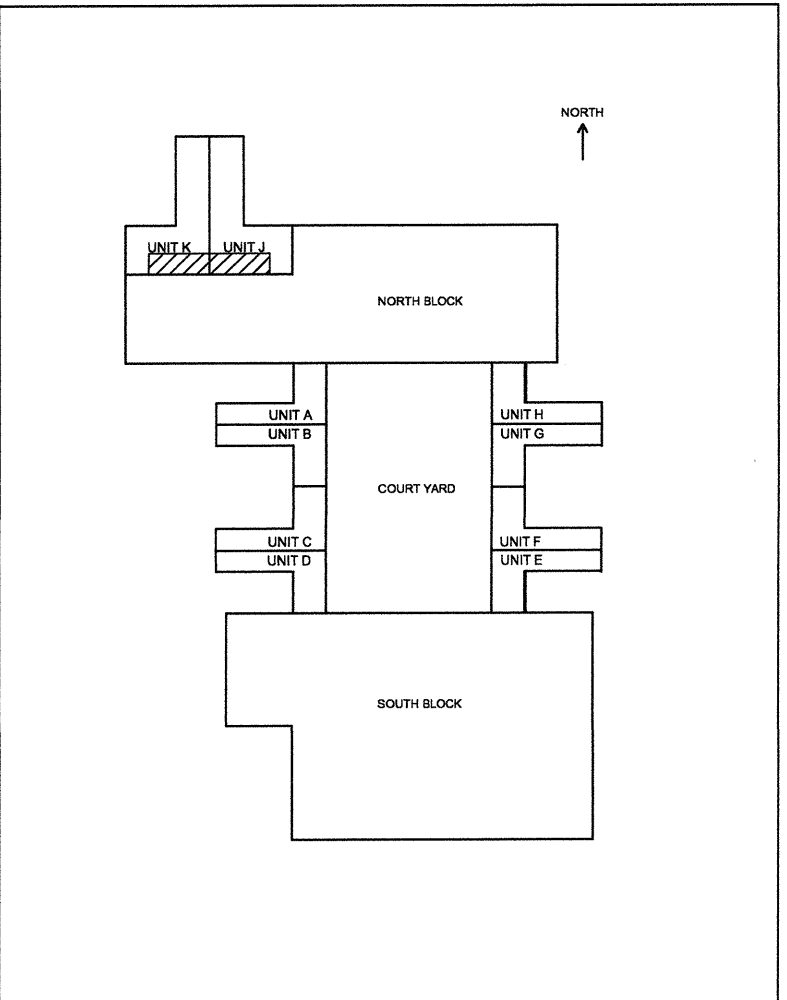
1 LIVING UNITS "J" AND "K" KEY PLAN (DEMO)  
1:300



CONSULTANTS:



PROJECT #151-05697-02



1	ISSUED FOR TENDER	2017.08.16
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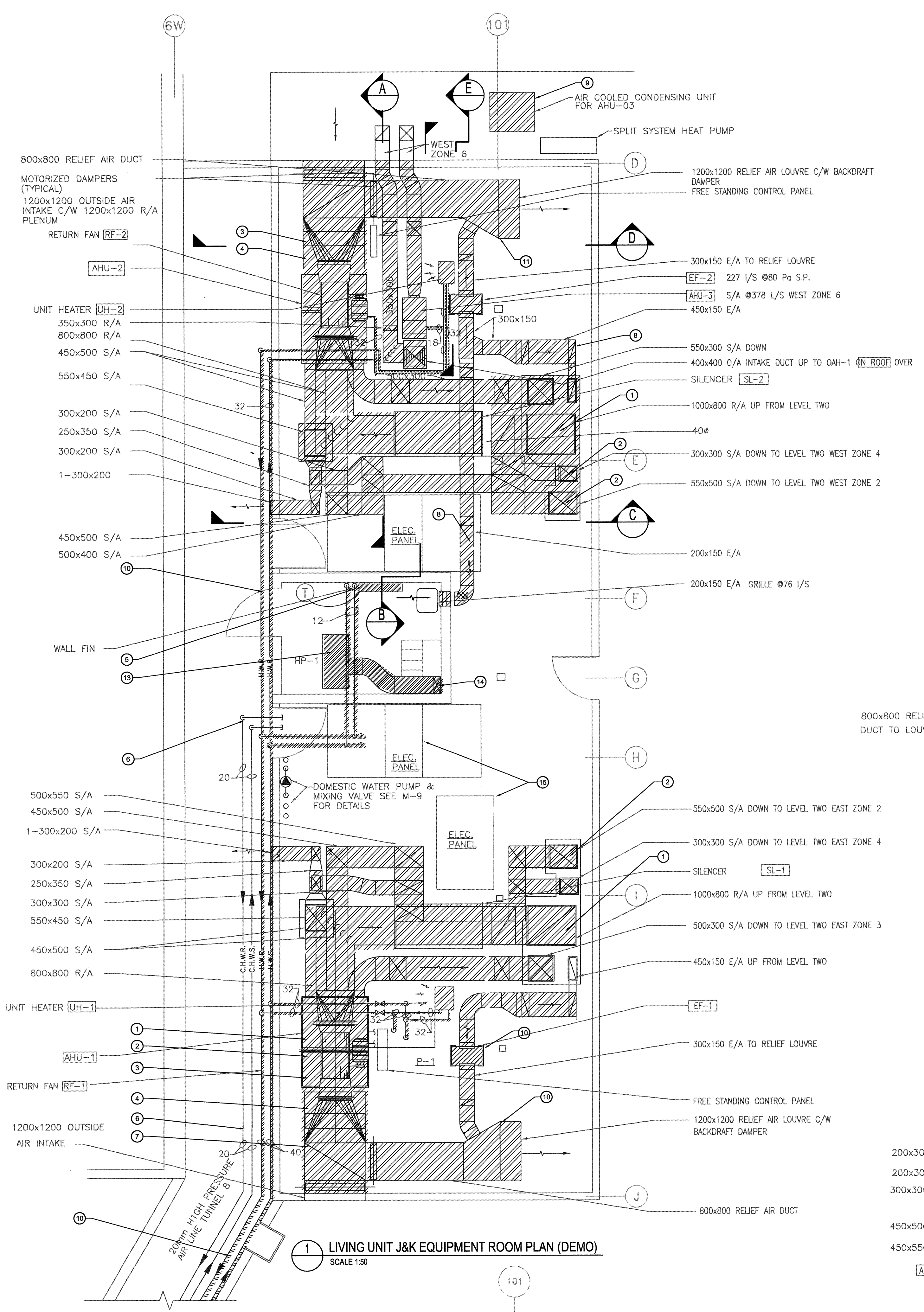
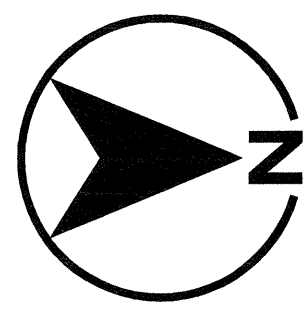
**AGASSIZ, BC  
KENT MAXIMUM SECURITY  
INSTITUTION  
MECHANICAL SYSTEM  
UPGRADE FOR CELL BLOCKS  
A through H and J & K**

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**MARVIN NG**  
PWSSC Regional Manager, Architectural and Engineering Services/  
Gestionnaire régional, Services d'architecture et de génie, TPSSC  
**FREETIPAL PAUL**

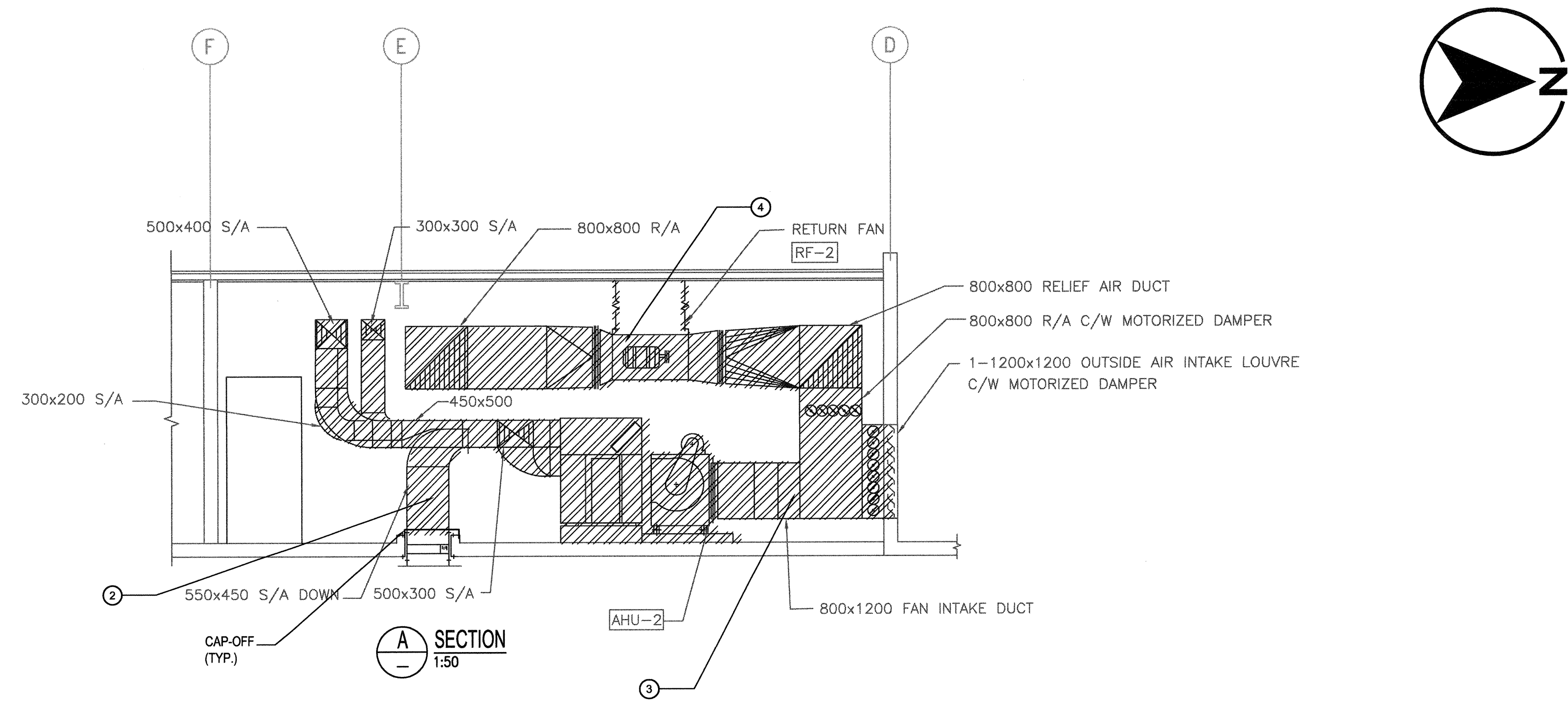
Drawing title/Titre du dessin  
**LIVING UNITS J & K  
MECHANICAL EQUIPMENT  
ROOM (DEMO)**

Project No./No. du projet <b>R.077723.001</b>	Sheet/Feuille <b>M2-01</b>	Revision no./ Lo. Révision no. <b>1</b>
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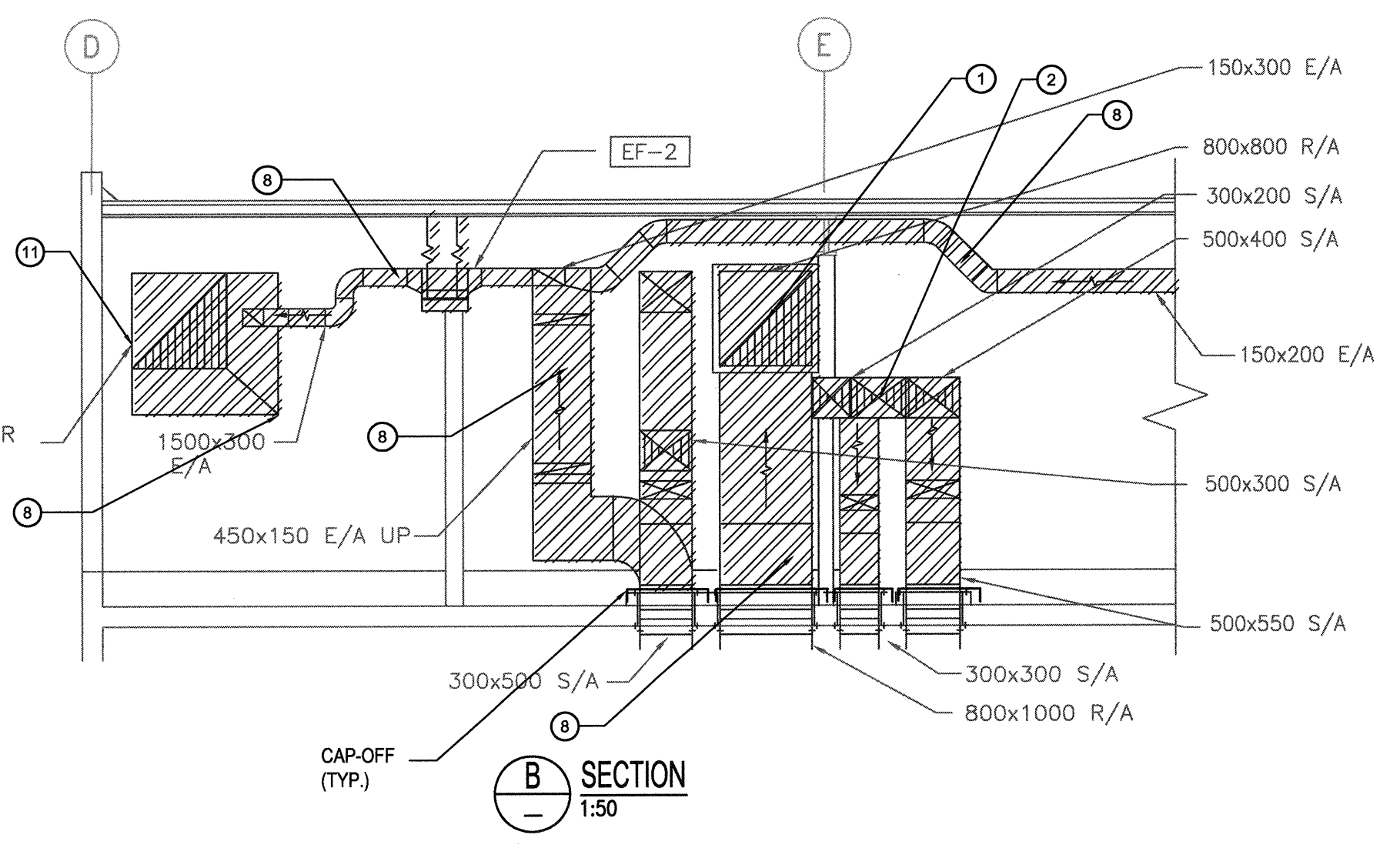


**1 LIVING UNIT J&K EQUIPMENT ROOM PLAN (DEMO)**  
SCALE 1:50

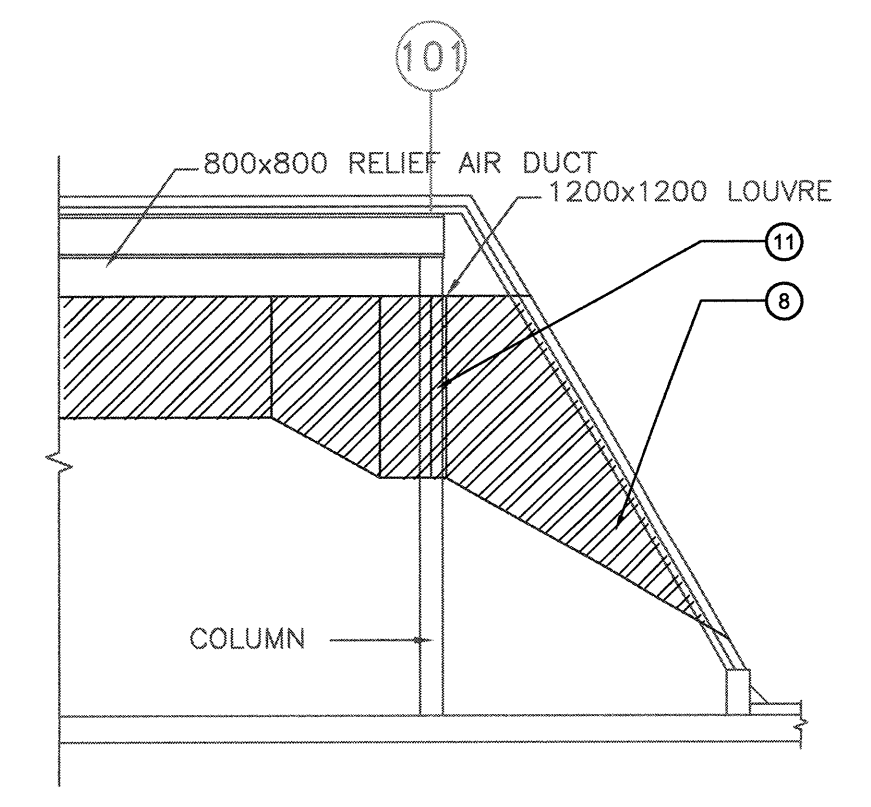
**2 CONTROL POST 122 (GROUND LEVEL) - DUCTING PLAN (DEMO)**  
SCALE 1:50



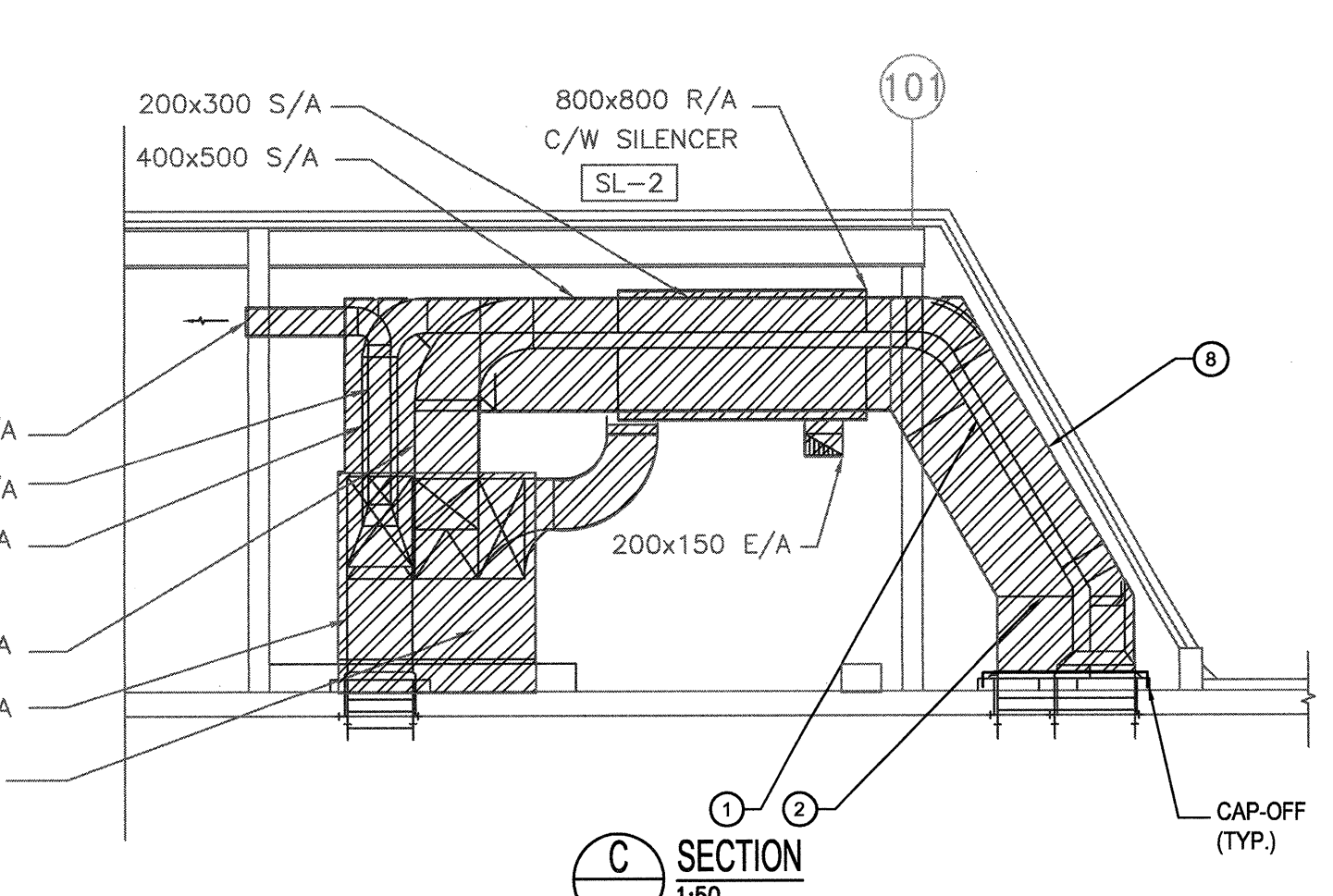
**A SECTION**  
SCALE 1:50



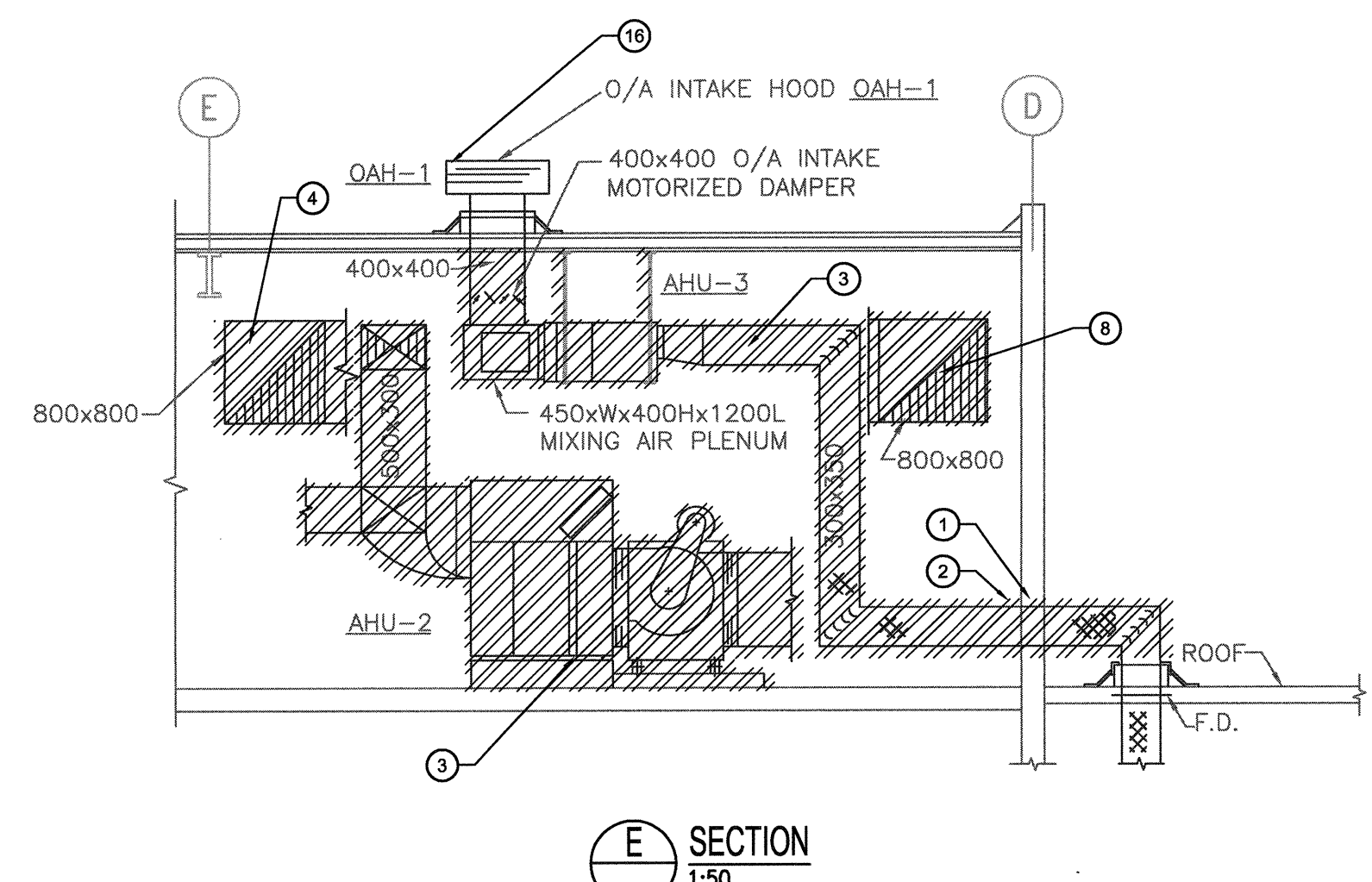
**B SECTION**  
SCALE 1:50



**D SECTION**  
SCALE 1:50



**C SECTION**  
SCALE 1:50



**E SECTION**  
SCALE 1:50

**GENERAL NOTES:**

- ALL EXISTING SUPPLY, EXHAUST, AND RETURN DUCTWORK INCLUDING DUCT RISERS TO BE DEMOLISHED.
- COORDINATE REMOVAL OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL DIVISION.
- DEMOLISH ALL PNEUMATIC CONTROLS IN MECHANICAL ROOMS.
- ALL EXISTING HOT WATER PIPING, VALVES AND CONTROL IN MECHANICAL ROOM TO BE DEMOLISHED.
- MAKE GOOD OF ALL DAMAGED WALL OPENINGS. MATCH EXISTING FINISH.
- ALL EXISTING FIRE DAMPER TO REMAIN.

- REMOVE ALL BELOW SENSORS AND HAND OVER TO CONTROL CONTRACTOR:  
- MIX AIR TEMP. SENSORS  
- HOT DECK TEMP. SENSOR  
- SUPPLY AIR TEMP. SENSOR  
- RETURN AIR TEMP. SENSOR  
ALSO REFER TO SPECIFICATION SECTION DIV 25 FOR ADDITIONAL REQUIREMENT.

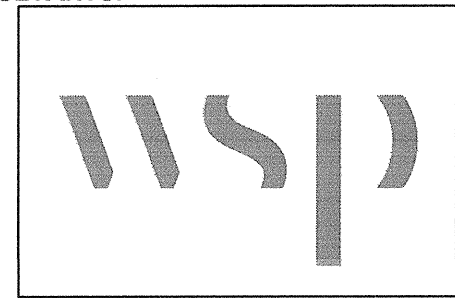
**KEYNOTES:**

- RETURN DUCTS TO BE DEMOLISHED DOWN TO FLOOR LEVEL. RETAIN FIRE DAMPERS.
- SUPPLY DUCTS TO BE DEMOLISHED DOWN TO FLOOR LEVEL. RETAIN FIRE DAMPERS.
- SUPPLY DUCTS & EQUIPMENT TO BE DEMOLISHED.
- RETURN DUCTS & EQUIPMENT TO BE DEMOLISHED.
- DEMOLISH EXISTING WALL FIN AND ALL CONTROL.
- CHILLED WATER SUPPLY & RETURN PIPES ARE NOT IN SCOPE.
- CONTROL & ELECTRICAL PANELS ARE NOT IN SCOPE.
- DEMOLISH EXHAUST DUCT.
- DEMOLISH EXISTING CONDENSING UNIT.
- DEMOLISH HWS&R ALL WAY FROM NORTH MECH. ROOM.
- DEMOLISH LOUVER.
- N/A
- DEMOLISH HP UNIT. SEE PHOTO 3 IN M2-02.
- DEMOLISH SUPPLY DUCT DOWN TO CONTROL POST IN GROUND LEVEL. SEE PHOTO 1&2 IN M2-02.
- PROVIDE DUST PROTECTION FOR COMMUNICATION PANEL AND UPS PANEL DURING DEMOLITION AND CONSTRUCTION.
- EXISTING O/A INTAKE AIR TO REMAIN.





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PROJECT #151-05897-02

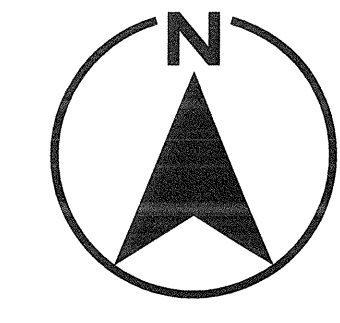
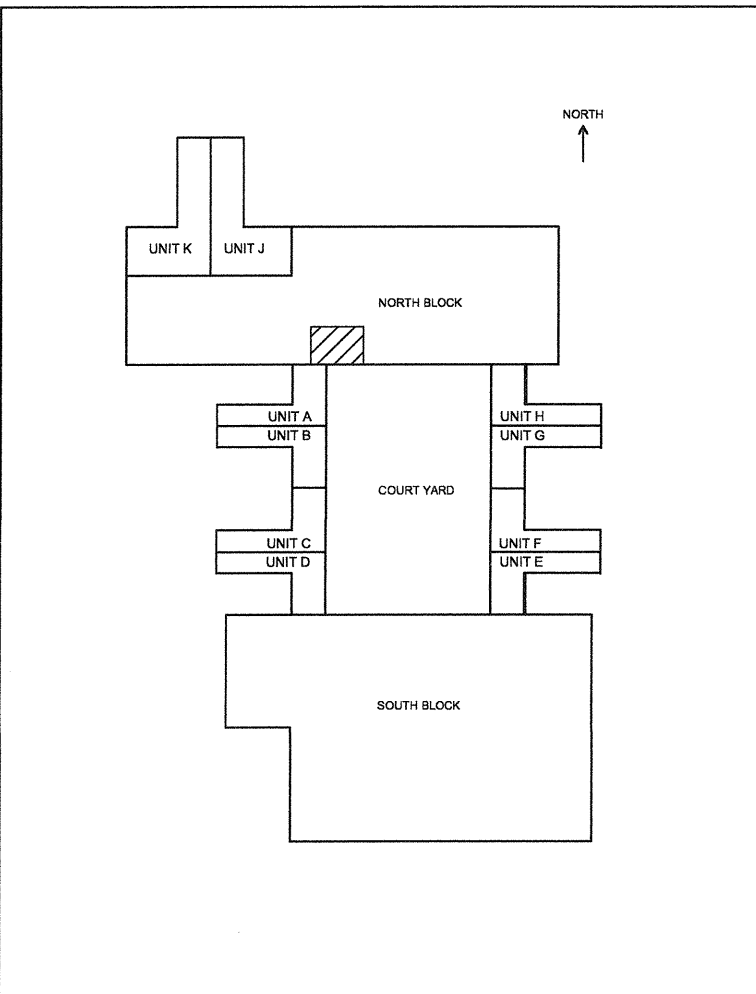


PHOTO-1  
DEMOLISH DUCT AND GRILLES



PHOTO-2  
DEMOLISH DUCT RISER (FROM EQUIPMENT ROOM LEVEL TO CONTROL POST IN GROUND LEVEL.)



PHOTO-3  
DEMOLISH THIS UNIT

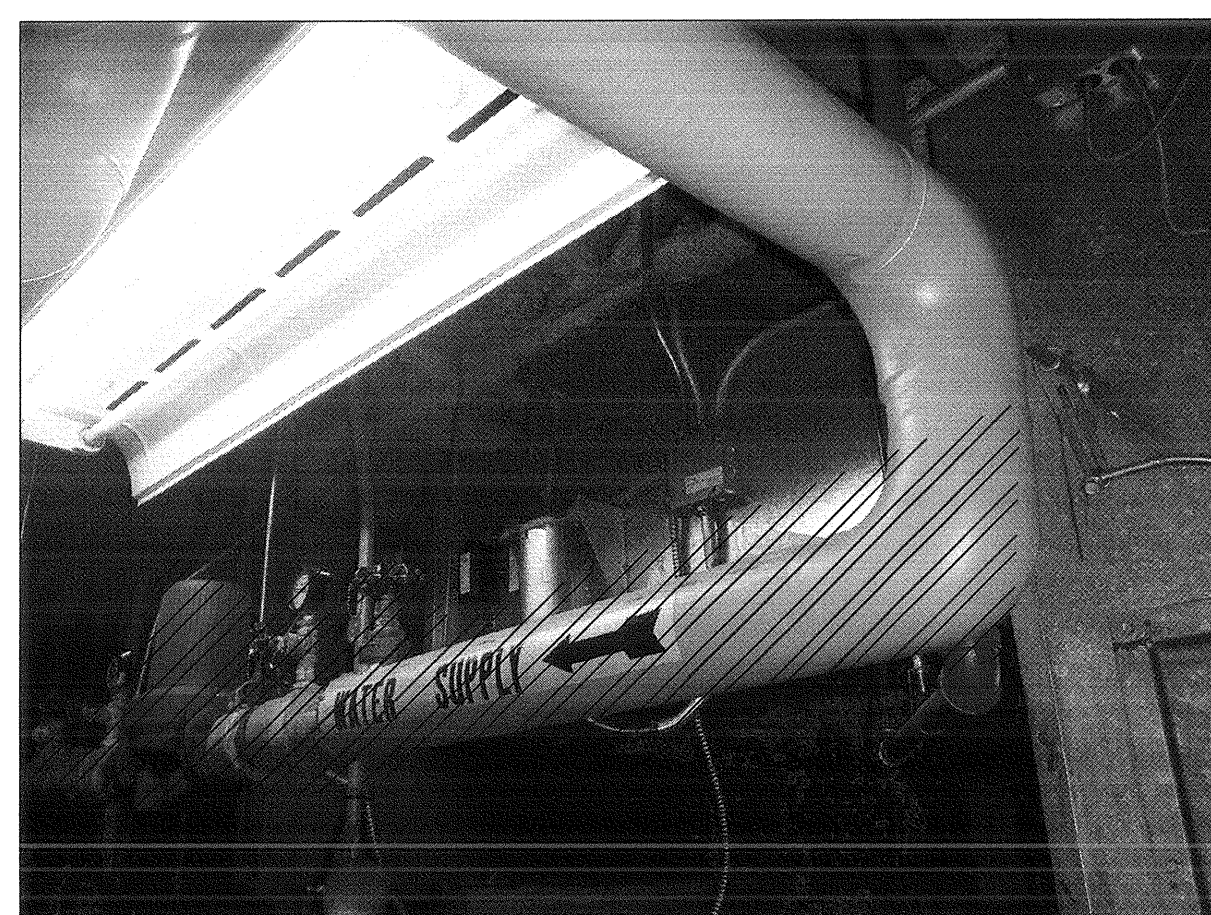
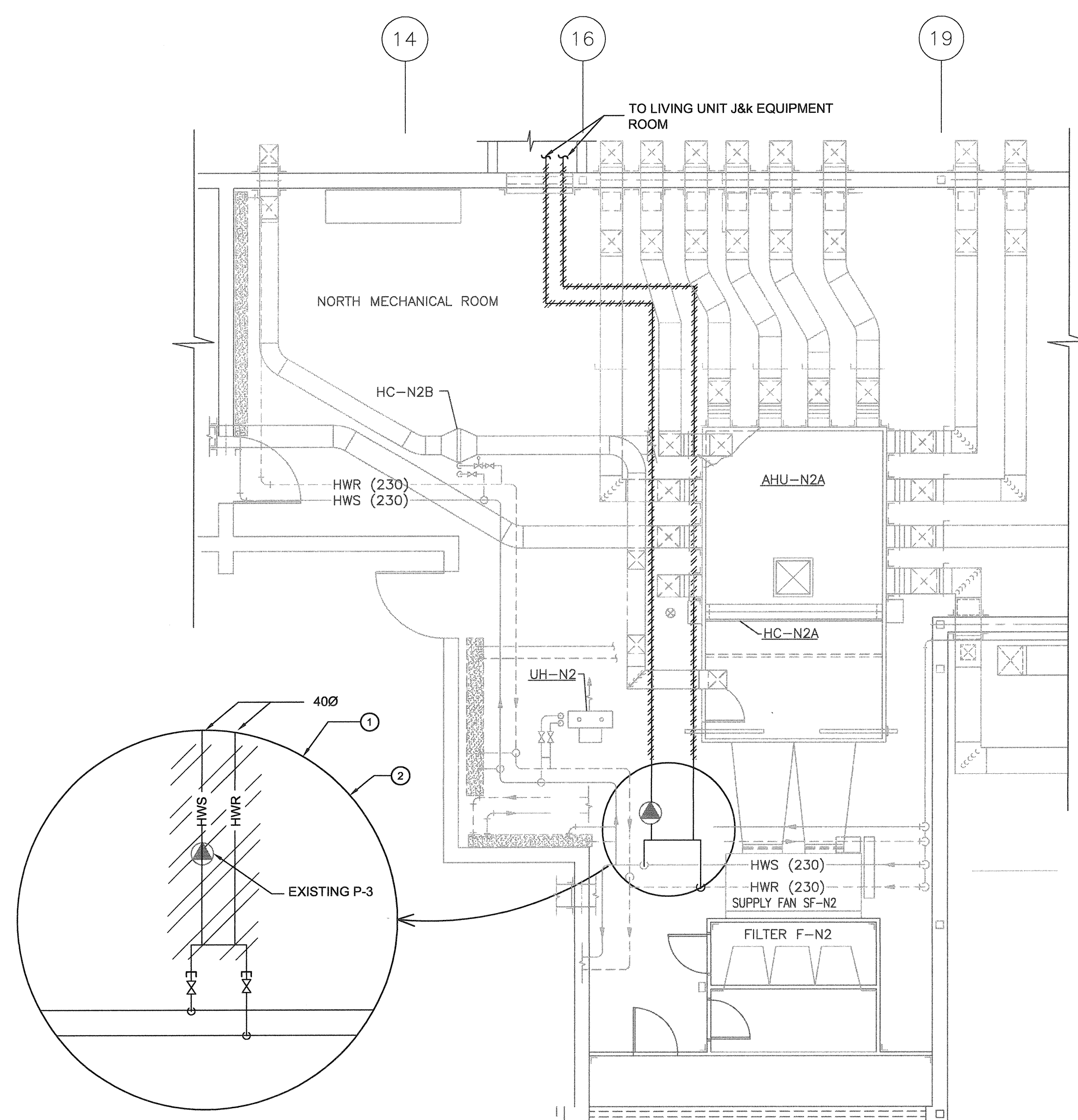


PHOTO-4  
EXISTING PUMP P-3



1 LIVING UNIT J AND K - PUMP AND HYDRONIC PIPING PLAN IN NORTH MECHANICAL ROOM (DEMO)  
1:50

KEY NOTES

- ① DEMOLISH EXISTING PUMP P-3 & ALL ASSOCIATED VALVES (PHOTO-1).
- ② DEMOLISH EXISTING HWS&R FROM NORTH MECHANICAL ROOM ALL WAY TO J&K EQUIPMENT ROOM.



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KENT MAXIMUM SECURITY INSTITUTION  
MECHANICAL SYSTEM UPGRADE FOR CELL BLOCKS A through H and J & K**

Consultant Signature Box Only

Designed by/Concept par  
**NK/FH**  
Drawn by/Dessiné par  
**MY/ML**  
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PWGSC, Regional Manager, Architectural and Engineering Services /  
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**PREETIPAL PAUL**

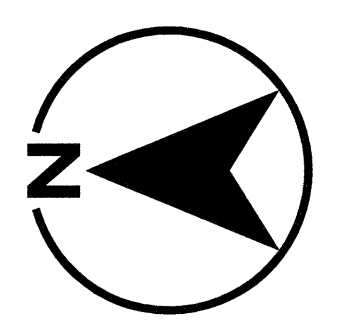
Drawing title/Titre du dessin  
**LIVING UNITS J & K  
HYDRONIC SYSTEM IN  
NORTH MECHANICAL ROOM  
(DEMO)**

Project No./No. du projet <b>R.077723.001</b>	Sheet/feuille <b>M2-02</b> 10 OF 53	Revision no./ La Révision no. <b>1</b>
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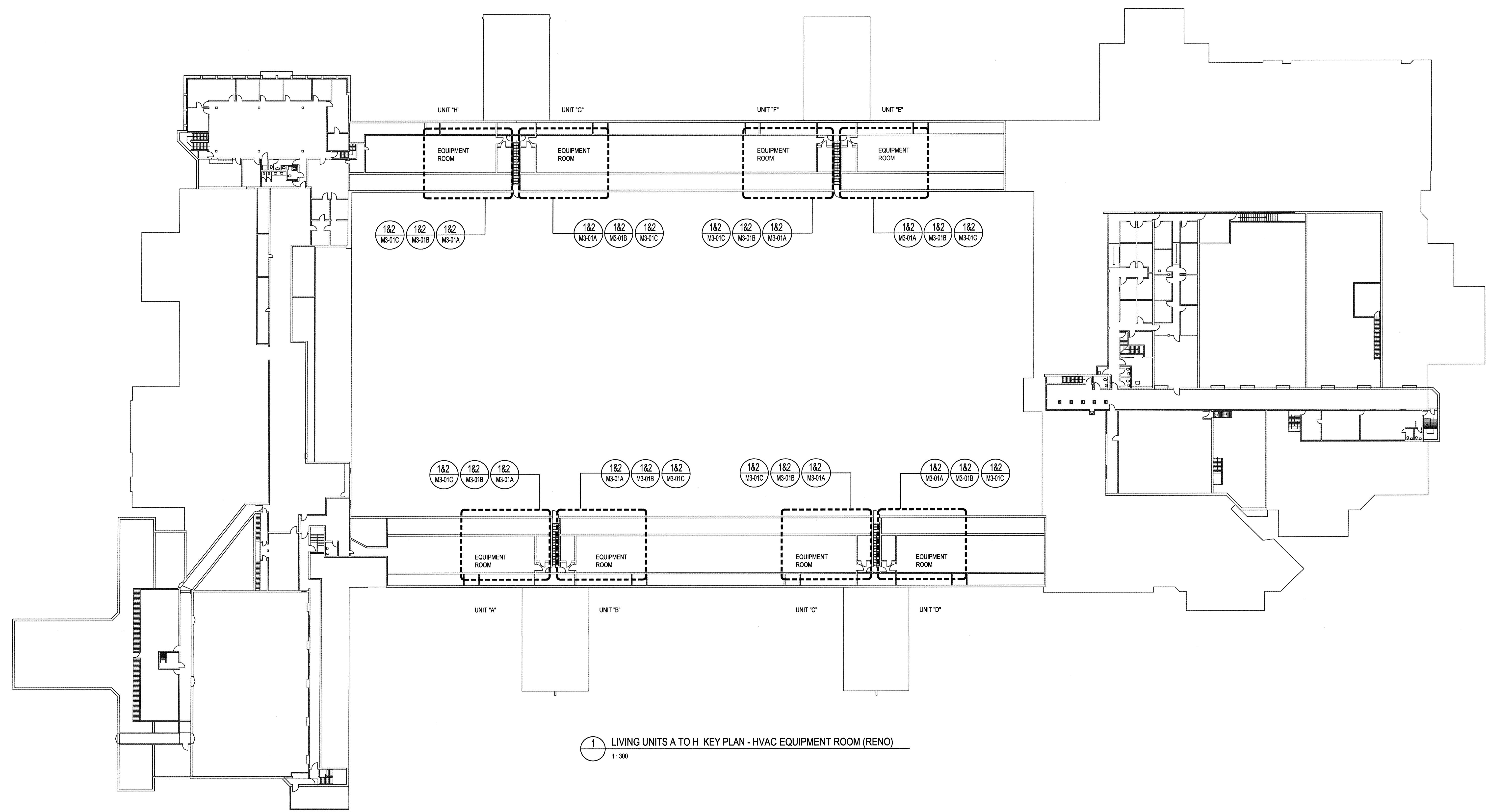
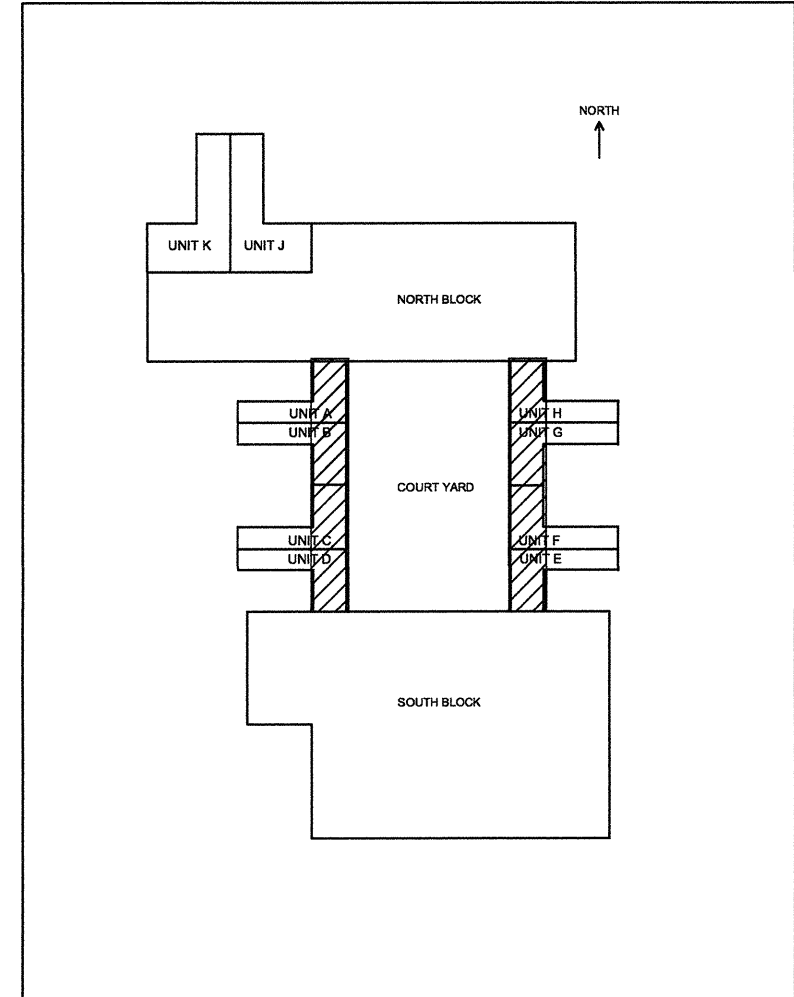




CONSULTANTS:



PROJECT #151-05897-02



1 LIVING UNITS A TO H KEY PLAN - HVAC EQUIPMENT ROOM (RENO)  
1:300

1	ISSUED FOR TENDER	2017.08.16
Revision/	Description/Description	Date/Date

Client/client  
**CORRECTIONAL SERVICE OF CANADA**

Project title/Titre du projet  
**AGASSIZ, BC  
KENT MAXIMUM SECURITY  
INSTITUTION  
MECHANICAL SYSTEM  
UPGRADE FOR CELL BLOCKS  
A through H and J & K**

Consultant Signature Box Only

Designed by/Concept par  
**NK/FH**

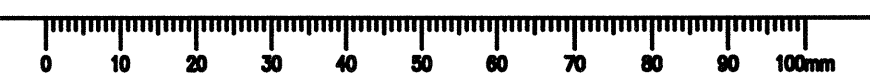
Drawn by/Dessiné par  
**MY/ML**

PWSSC Project Manager/Administrateur de Projets TPSSC  
**MARVIN NG**

PWSSC Regional Manager, Architectural and Engineering Services/  
Gestionnaire régionale, Services d'architecture et de génie, TPSSC  
**PREETIPAL PAUL**

Drawing title/Titre du dessin  
**LIVING UNITS A TO H  
KEY PLAN  
MECHANICAL EQUIPMENT  
ROOM (RENO)**

Project No./No. du projet <b>R.07723.001</b>	Sheet/Feuille <b>M3-00</b>	Revision no./ La Révision no. <b>1</b>
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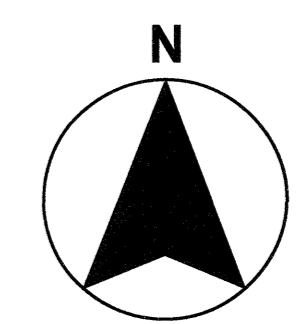
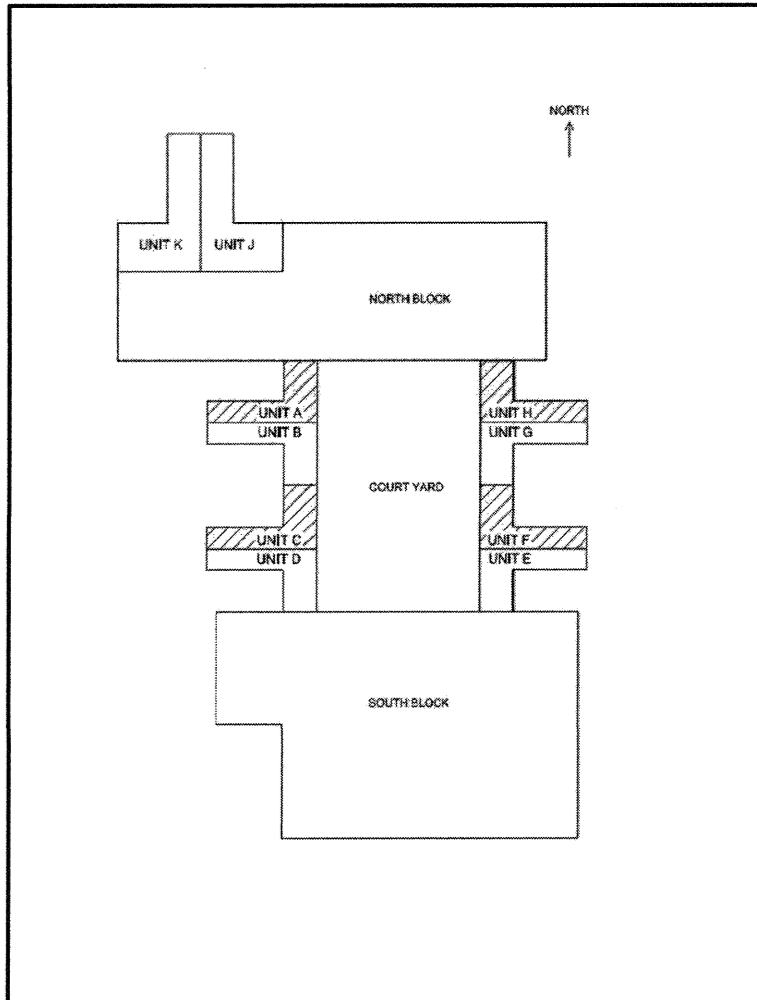




CONSULTANTS:



PROJECT #151-05897-02

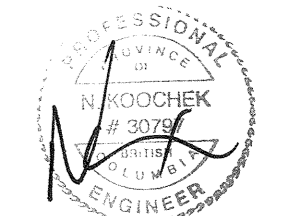


KEYNOTES:

- 1 EXISTING COMMUNICATION PANEL.
- 2 EXISTING MCC PANEL. PROTECT FROM DUST AND DAMAGE DURING DEMOLITION AND CONSTRUCTION.
- 3 OCC PANEL. TO REMAIN. PROTECT FROM DUST AND DAMAGE DURING DEMOLITION AND CONSTRUCTION.
- 4 EXISTING LOUVER & MOTORIZED DAMPER ARE TO BE REMOVED TO FACILITATE THE MOVING IN/OFF OF MECHANICAL EQUIPMENT. REPLACE WITH NEW LOUVER AND NEW MOTORIZED DAMPERS UPON COMPLETION OF MOVE. SEE (7).
- 5 NEW EXHAUST FAN COMPLETE WITH CURB-CAP ADAPTER TO BE INSTALLED ON EXISTING CURB. CONNECT NEW EXHAUST FAN TO EXISTING DUCTWORK.
- 6 MAIN OPENING (1500X1250) FOR EQUIPMENT MOVE IN/OUT.
- 7 PROVIDE 2 NEW MOTORIZED DAMPERS: UPPER: 1500X750 WITH DUCT PLenum LOWER: 1500X750 RELIEF DAMPER
- 8 FOR HOUSEKEEPING PAD. REFER TO STRUCTURAL DRAWINGS.
- 9 PROVIDE NEW MOTORIZED DAMPER.

GENERAL NOTES:

1. PROVIDE NEW DUCT ACCESS PANEL FOR EXISTING FIRE DAMPER IN DUCT RISERS.
2. AVOID INSTALLING NEW WATER PIPING ABOVE EXISTING COMMUNICATION PANEL AND MCC PANEL.
3. PROVIDE NEW ACCESS DOOR IN NEW DUCT FOR EXISTING FIRE DAMPERS.
4. ADJUST EXISTING SPRINKLER HEAD LOCATIONS TO SUIT NEW DUCTING LAY OUTS.



AUG 16 2017

1	ISSUED FOR TENDER	2017.08.16
Revision/	Description	Date/Date
Revision		

Client/client

**CORRECTIONAL SERVICE OF CANADA**

Project title/Titre du projet  
**AGASSIZ, BC  
KENT MAXIMUM SECURITY  
INSTITUTION**

**MECHANICAL SYSTEM  
UPGRADE FOR CELL BLOCKS  
A through H and J & K**

Consultant Signature Box Only

Designed by/Concept par  
**NK/FH**

Drawn by/Dessiné par  
**MY**

PWSSC Project Manager/Administrateur de Projets TPSSC  
**MARVIN NG**

PWSSC Regional Manager, Architectural and Engineering Services/  
Gestionnaire régional, Services d'architectural et de génie, TPSSC  
**PREETIPAL PAUL**

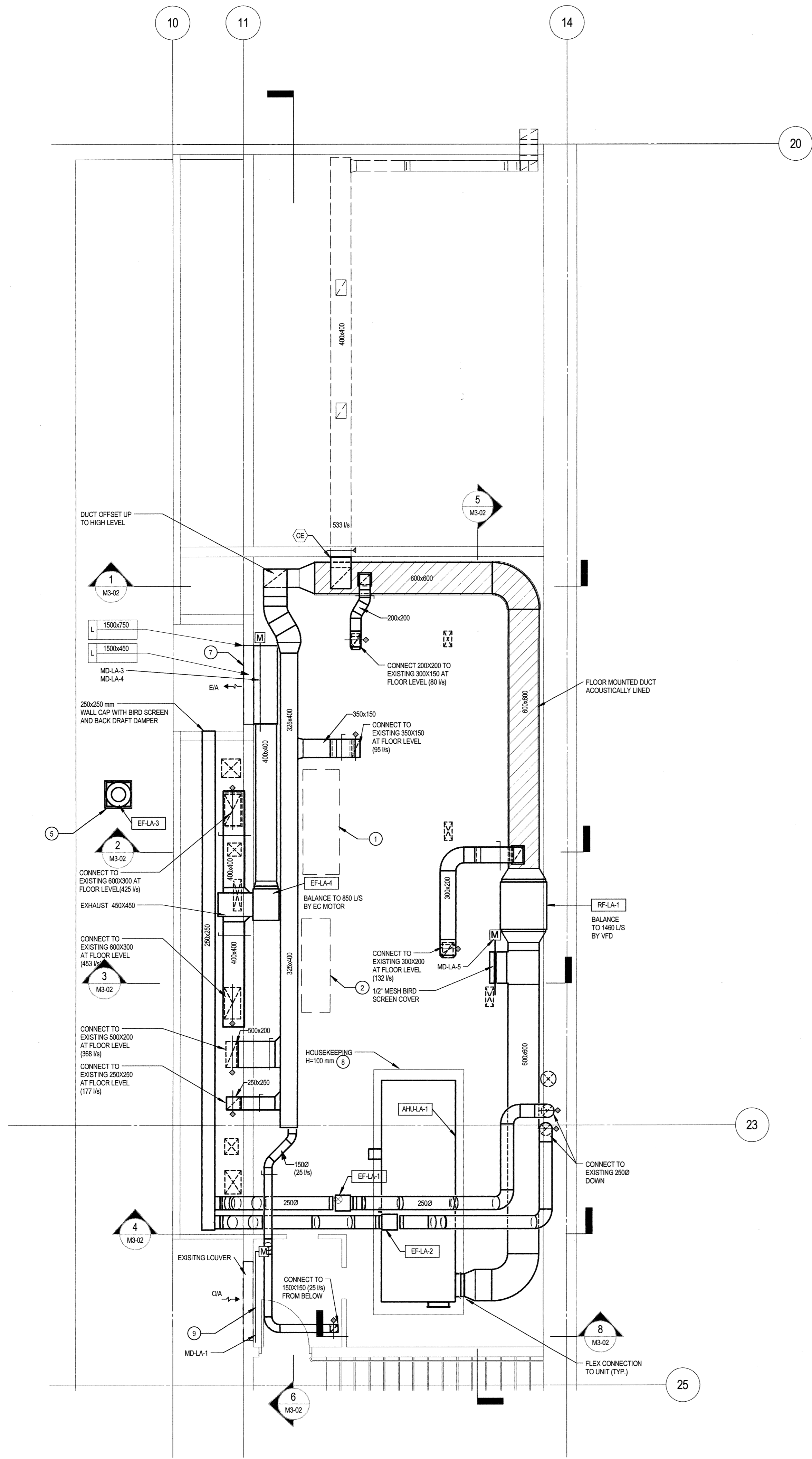
Drawing title/Titre du dessin

**LIVING UNITS A, C, E, G MECHANICAL  
EQUIPMENT ROOM - HVAC PLAN  
(RENO)**

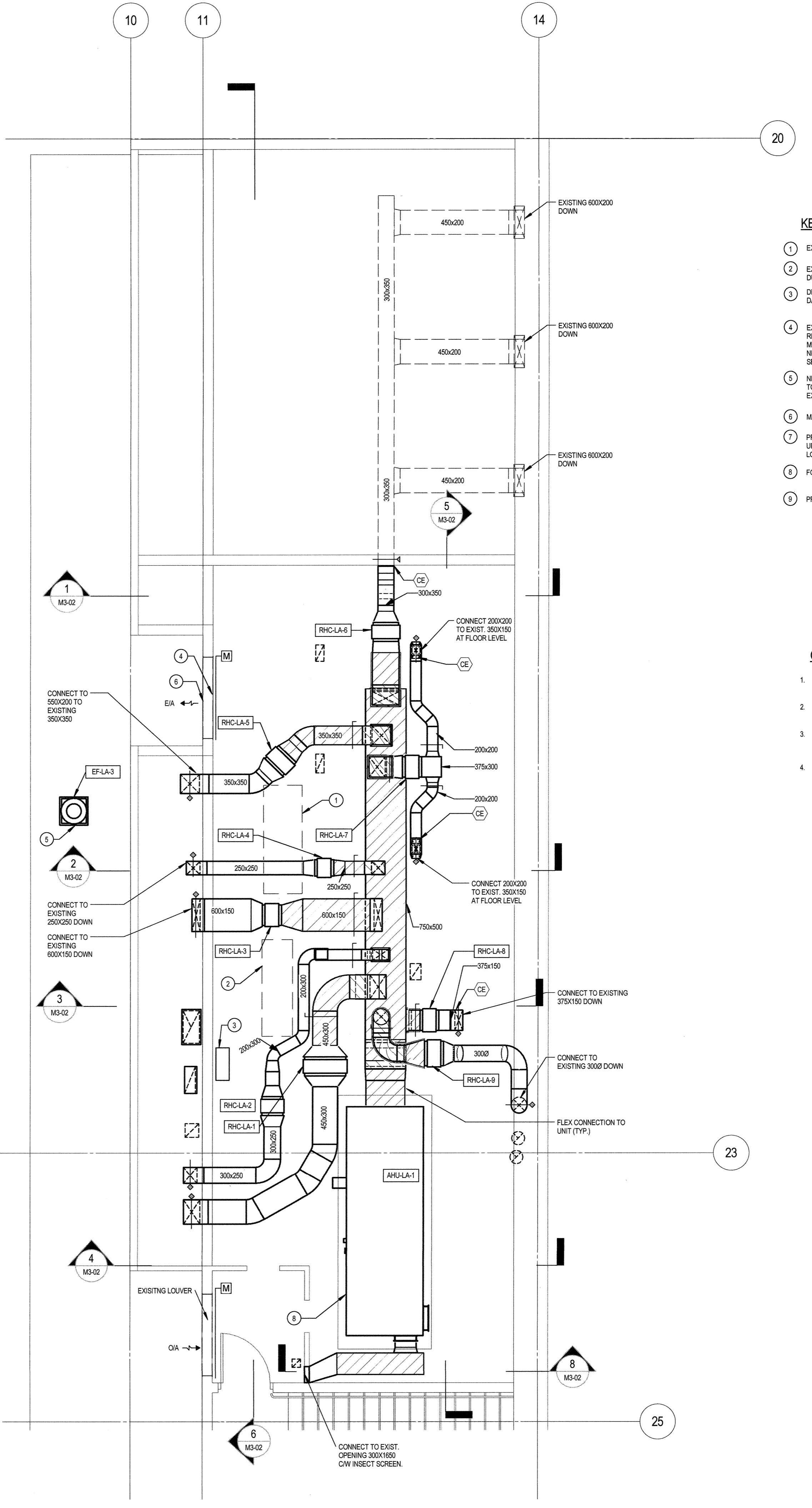
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**R.077723.001**

Sheet/Feuille  
**M3-01A**

Revision no./  
Lo  
Révisio  
n no.  
**1**



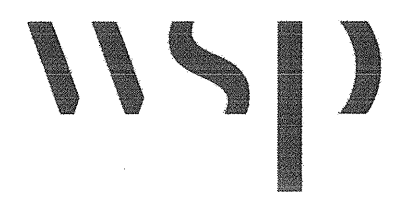
1 EQUIPMENT ROOM PLAN (RETURN AIR SYSTEM)  
1:50  
UNIT A, C, E, G



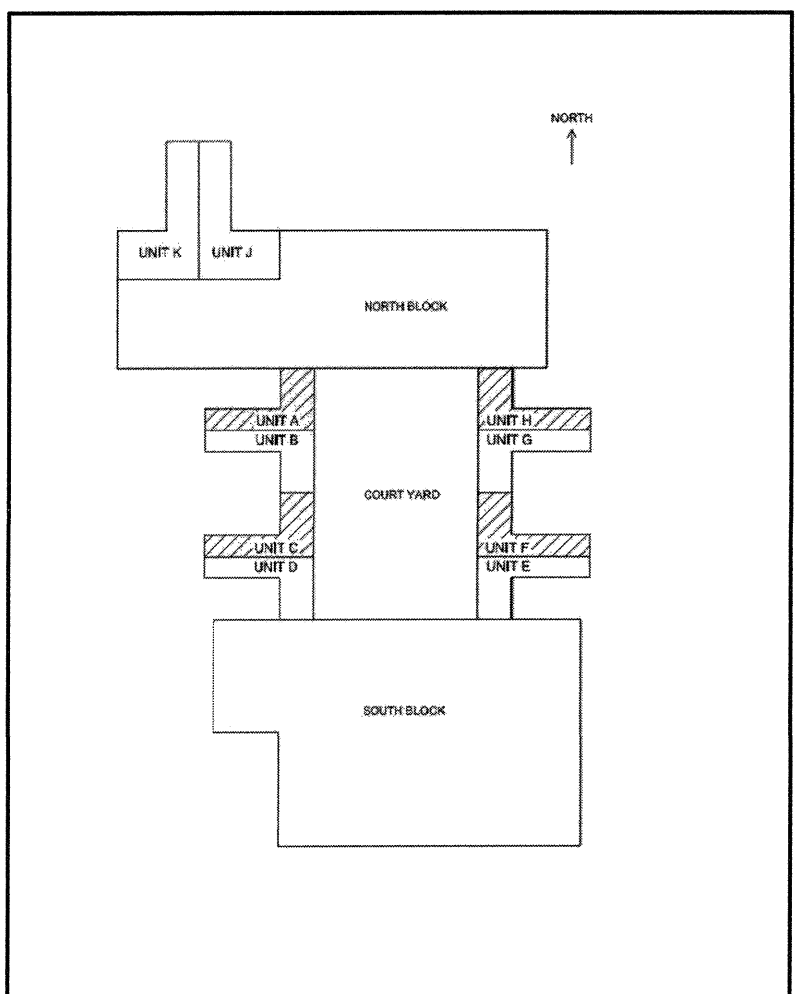
2 EQUIPMENT ROOM PLAN (SUPPLY AIR SYSTEM)  
1:50  
UNIT A, C, E, G



CONSULTANTS:



PROJECT #151-05897-02



KEYNOTES:

- 1 PROVIDE 2 NEW MOTORIZED DAMPERS: UPPER: 1500x450 WITH DUCT FLEXUM LOWER: 1500X750 RELIEF DAMPER
- 2 EXISTING MCC PANEL PROTECT FROM DUST & DAMAGE DURING DEMOLITION AND CONSTRUCTION.
- 3 DDC PANEL TO REMAIN PROTECT FROM DUST AND DAMAGE DURING DEMOLITION AND CONSTRUCTION.
- 4 EXISTING LOUVER & RELIEF DAMPER ARE TO BE REMOVED TO FACILITATE THE MOVE IN/OUT OF MECHANICAL EQUIPMENT. REPLACE WITH NEW MOTORIZED DAMPERS UPON COMPLETION OF MOVE. SEE (1)
- 5 NEW EXHAUST FAN COMPLETE WITH CURB-CAP ADAPTER TO BE INSTALLED ON EXISTING CURB. CONNECT NEW EXHAUST FAN TO EXISTING DUCTWORK.
- 6 MAIN OPENING (1550X1250) FOR EQUIPMENT MOVE IN/OUT.
- 7 FOR HOUSEKEEPING PAD, REFER TO STRUCTURAL DRAWINGS.
- 8 PROVIDE NEW MOTORIZED DAMPER.

GENERAL NOTES:

1. PROVIDE NEW DUCT ACCESS PANEL FOR EXISTING FIRE DAMPER IN DUCT RISERS.
2. AVOID INSTALLING NEW WATER PIPING ABOVE EXISTING COMMUNICATIONS PANEL AND MCC PANEL.
3. PROVIDE NEW ACCESS DOOR IN NEW DUCT FOR EXISTING FIRE DAMPERS.
4. ADJUST EXISTING SPRINKLER HEAD LOCATIONS TO SUIT NEW DUCTING LAY OUTS.



AUG 16 2017

1	ISSUED FOR TENDER	2017.08.16
Revision/	Description/Description	Date/Date
Revision		

Client/client

**CORRECTIONAL SERVICE OF CANADA**

Project title/Titre du projet  
**AGASSIZ, BC KENT MAXIMUM SECURITY INSTITUTION**

**MECHANICAL SYSTEM UPGRADE FOR CELL BLOCKS A through H and J & K**

Consultant Signature Box Only

Designed by/Concept par  
**NK/FH**

Drawn by/Dessiné par  
**MY**

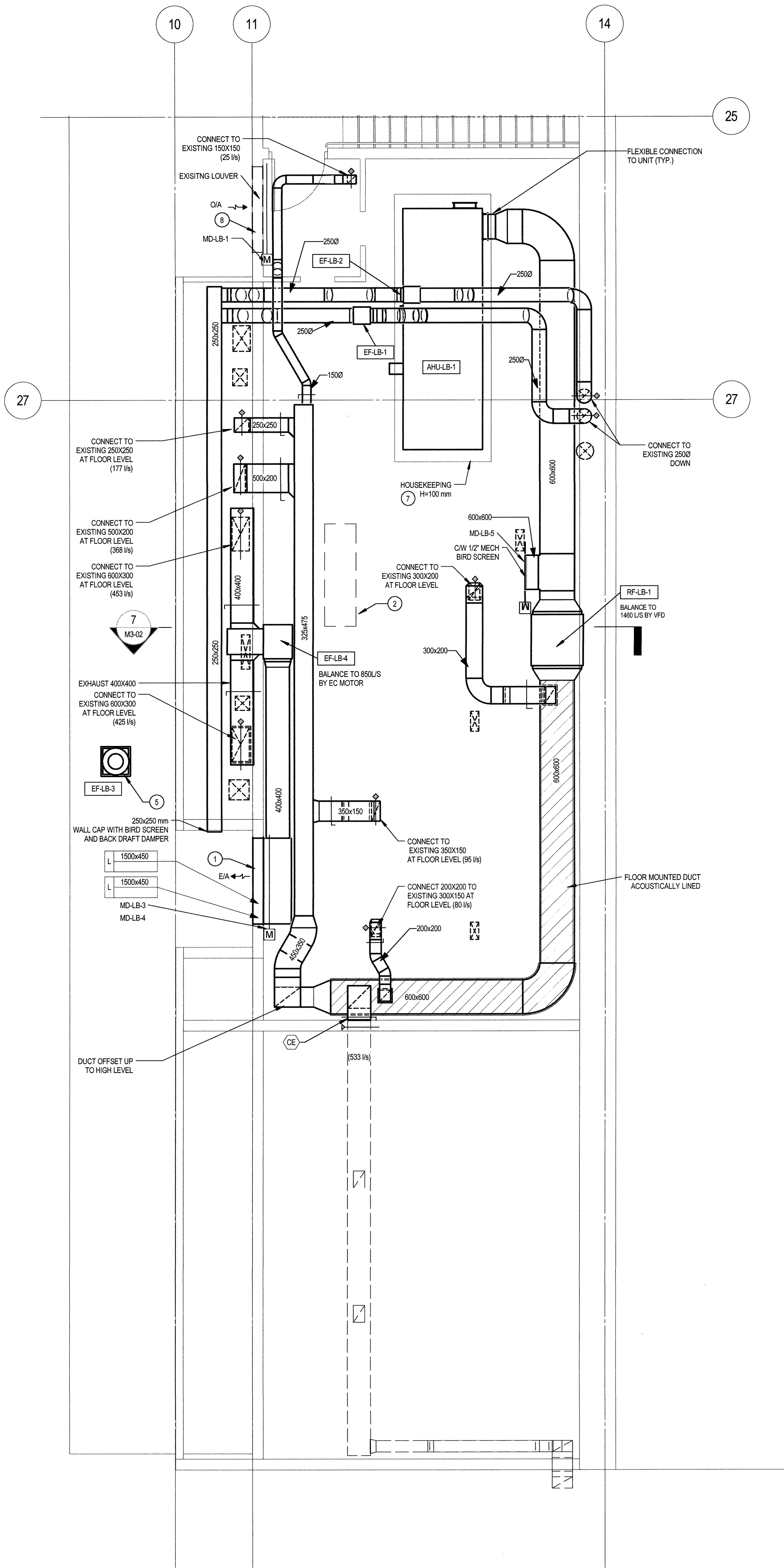
PWSC Project Manager/Administrateur de Projets TPSGC  
**MARVIN NG**

PWSC, Regional Manager, Architectural and Engineering Services, Gestionnaire régional, Services d'architectural et de génie, TPSGC  
**PREETPAL PAUL**

Drawing title/Titre du dessin

**LIVING UNITS B, D, F, H MECHANICAL EQUIPMENT ROOM - HVAC PLAN (RENO)**

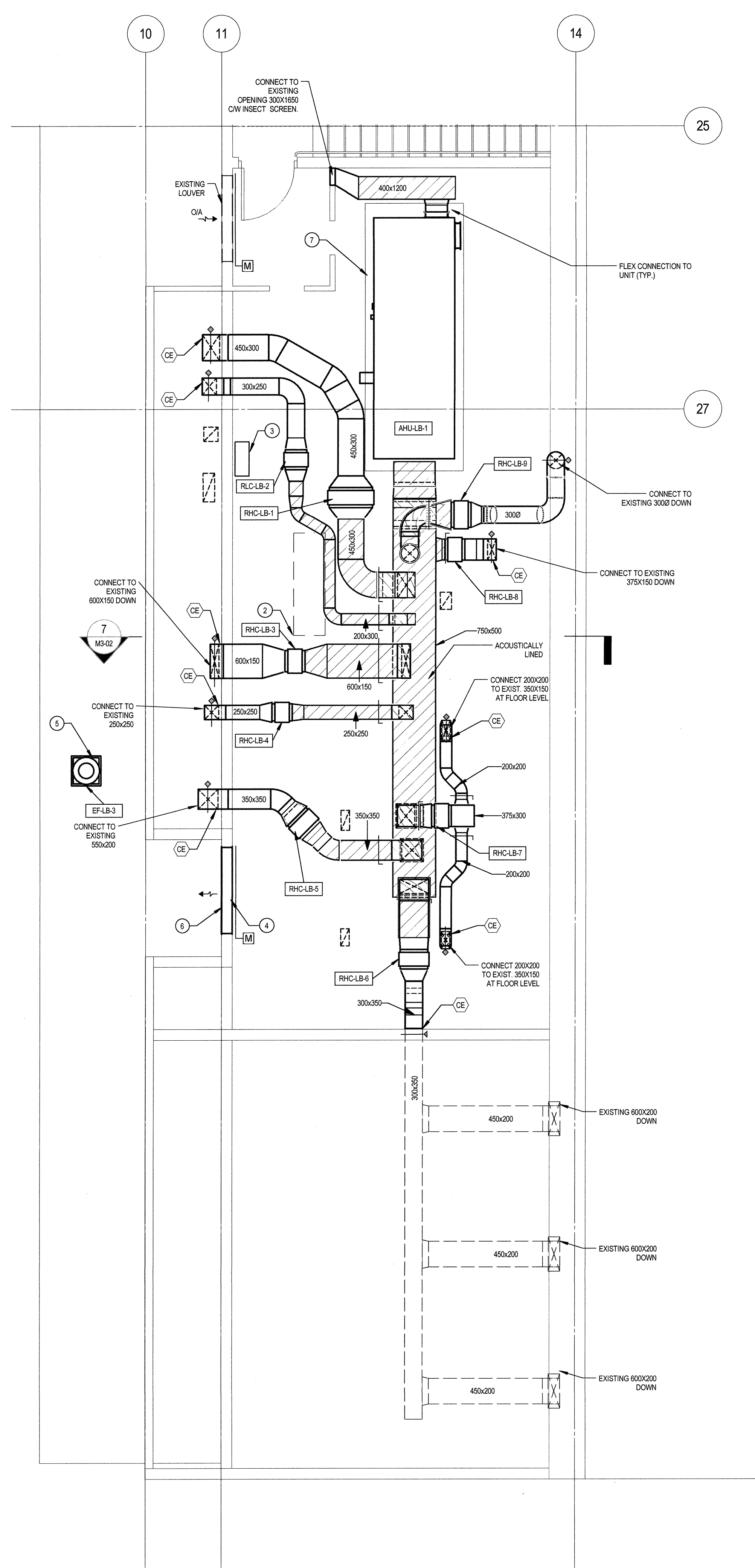
Project No./No. du projet	Sheet/Feuille	Revision no./
<b>R.077723.001</b>	<b>M3-01B</b>	Lo
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		n
		no. <b>1</b>



**1 EQUIPMENT ROOM PLAN (RETURN AIR SYSTEM)**

M3-02 1:50

UNITS B, D, F, H



**2 EQUIPMENT ROOM PLAN (SUPPLY AIR SYSTEM)**

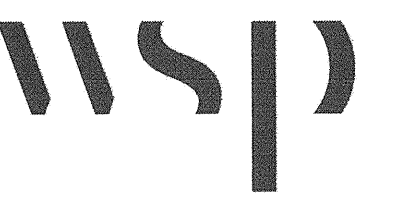
M3-02 1:50

UNITS B, D, F, H

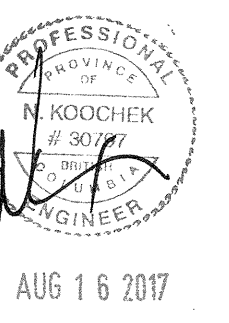
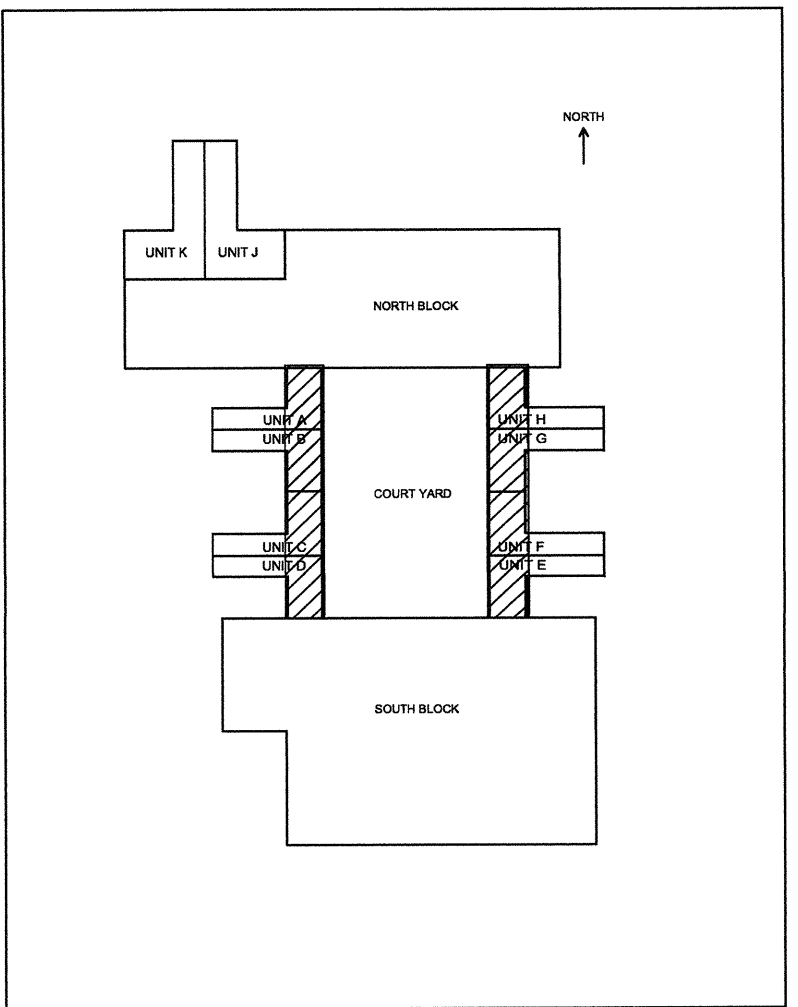




CONSULTANTS:



PROJECT #151-05897-02



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Revision/	Description/Description	Date/Date
Client/client		

**CORRECTIONAL SERVICE OF CANADA**

**AGASSIZ, BC  
KENT MAXIMUM SECURITY  
INSTITUTION  
MECHANICAL SYSTEM  
UPGRADE FOR CELL BLOCKS  
A through H and J & K**

Consultant Signature Box Only

Designed by/Concept par

NK/FH

Drawn by/Dessiné par

MY/ML

PWSSC Project Manager/Administrateur de Projets TPSGC

MARVIN NG

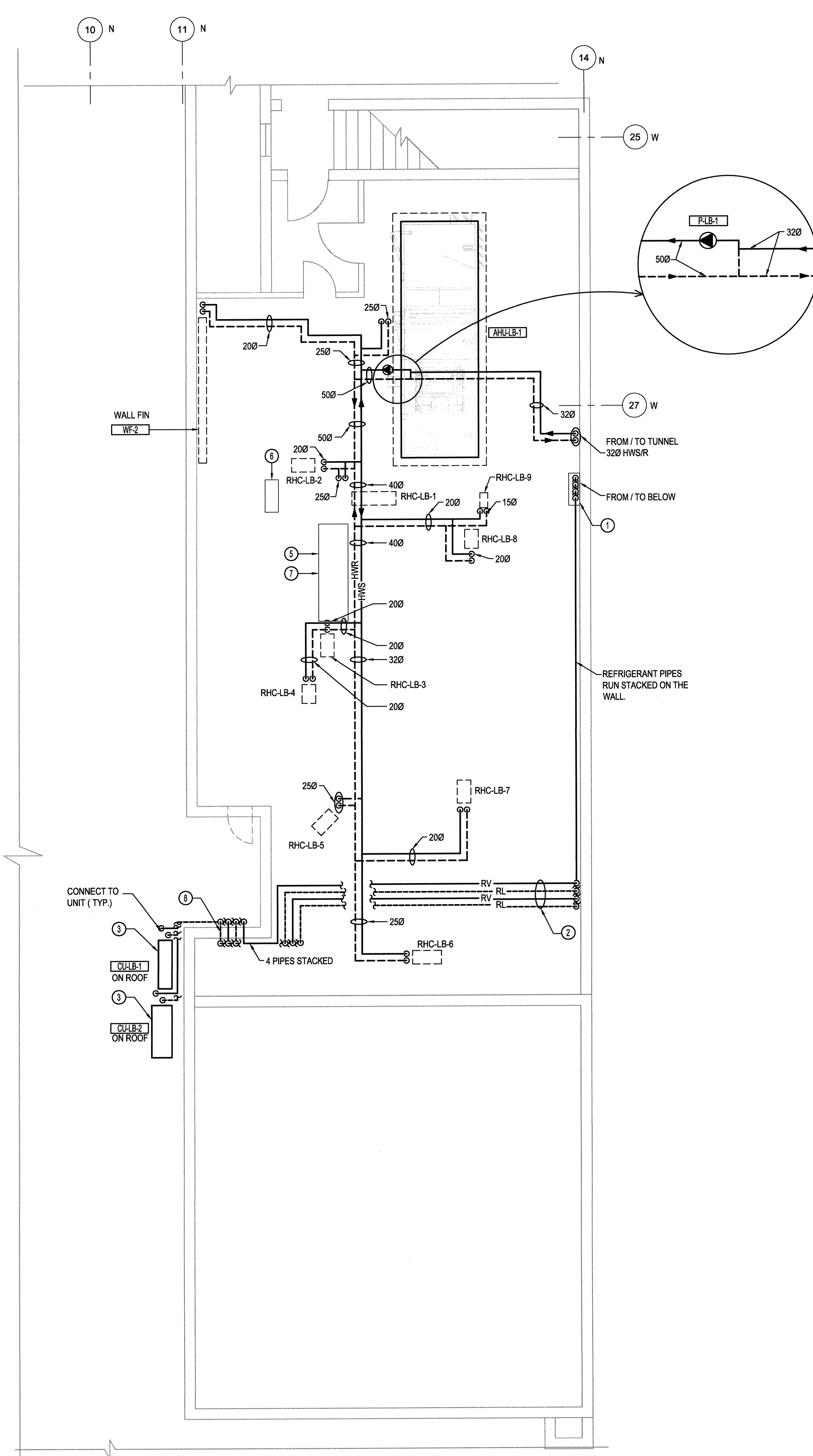
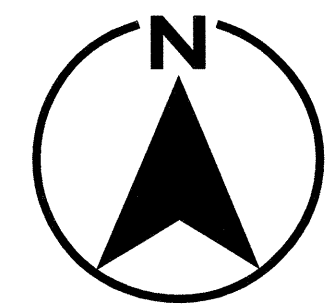
PWSSC, Regional Manager, Architectural and Engineering Services/  
Gestionnaire régional, Services d'architecture et de génie, TPSGC

PREETIPAL PAUL

Drawing title/Titre du dessin

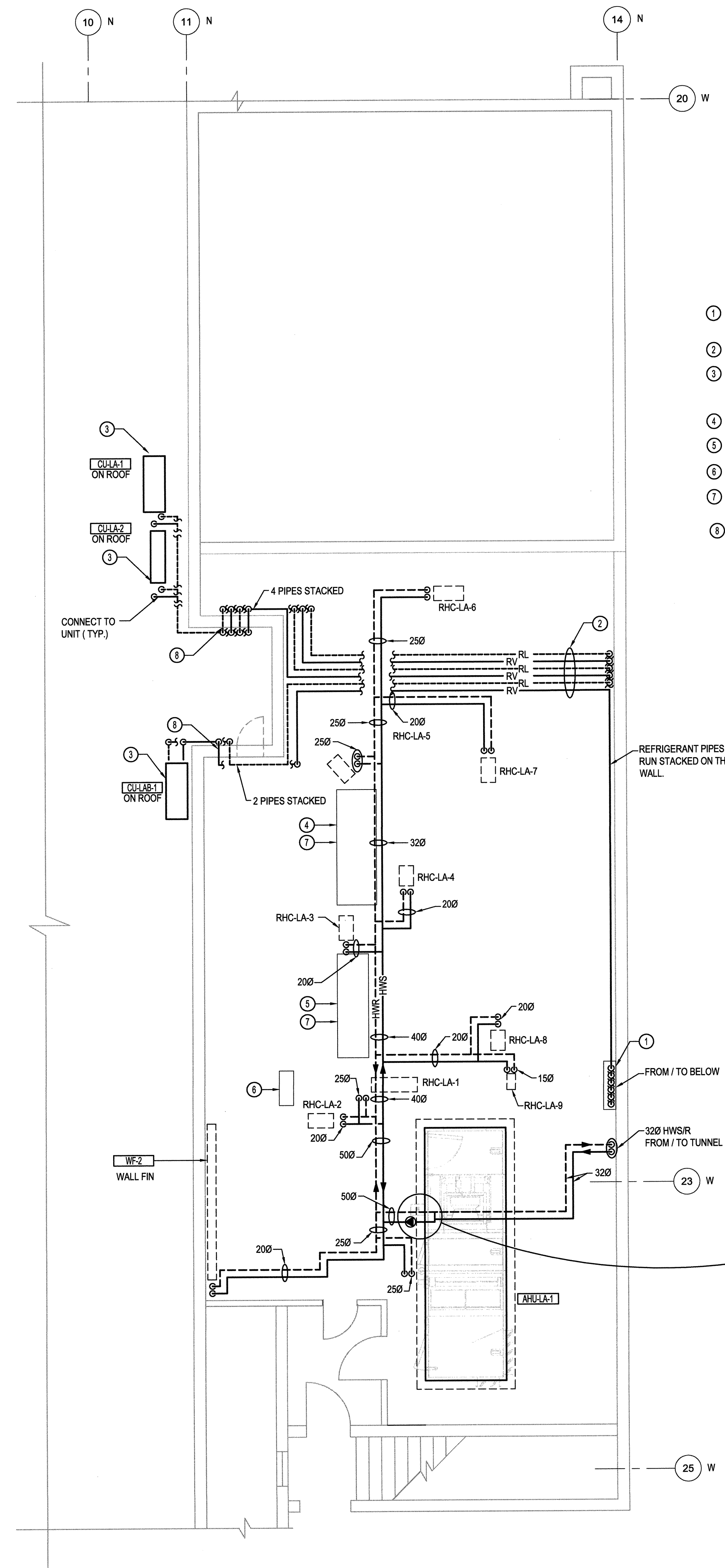
**LIVING UNITS A TO H  
MECHANICAL EQUIPMENT ROOM -  
HYDRONIC PLAN (RENO)**

Project No./No. du projet	Sheet/Feuille	Revision no./ Lo Révision no.
R.077723.001	M3-01C	1
14 OF 53		



1 EQUIPMENT ROOM PLAN - HYDRONIC SYSTEM (RENO)  
SCALE: 1:50

TYPICAL FOR LIVING  
UNITS IN BLOCK B, D, F, H



2 EQUIPMENT ROOM PLAN - HYDRONIC SYSTEM (RENO)  
SCALE: 1:50

TYPICAL FOR LIVING  
UNITS IN BLOCK A, C, E, G

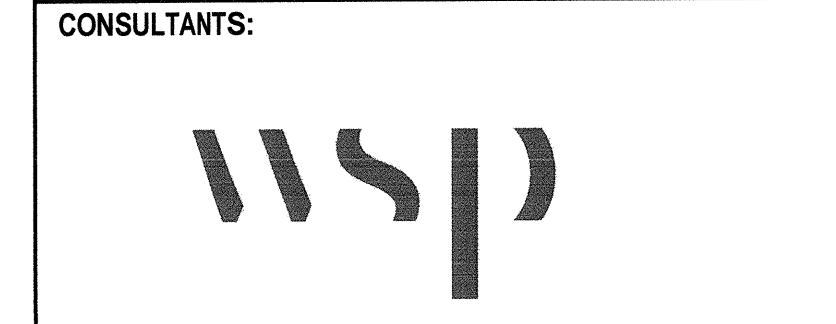
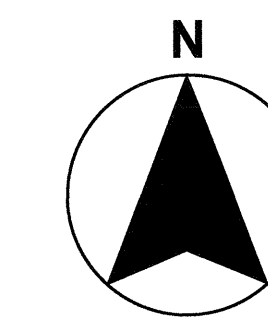
**GENERAL NOTE:**

1-THE PIPING ON THIS DRAWING ARE SHOWING THE GENERAL ROUTES AND CONNECTIONS. ALLOW FOR MODIFICATIONS IN RELATION TO THE DUCT WORK.

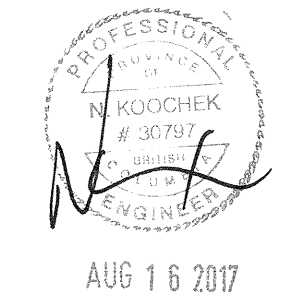
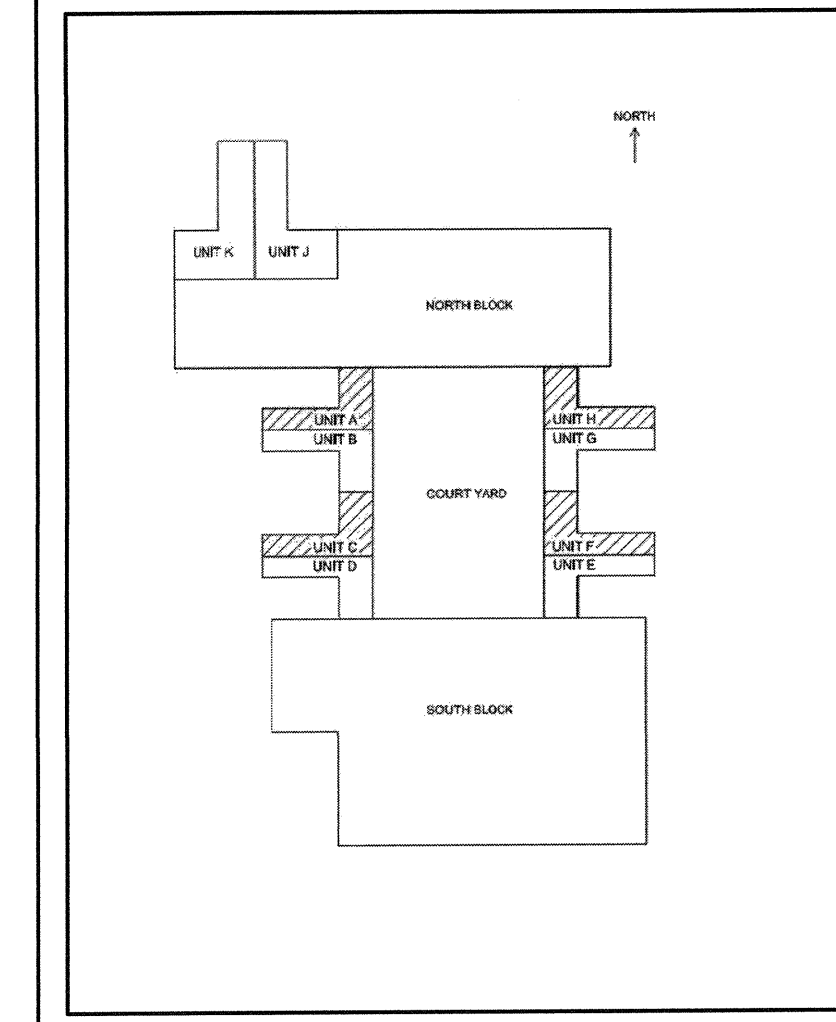
**KEY NOTES:**

- 1 FOR PIPING PENETRATING THE FLOOR, SEE ARCH. DETAILS.
- 2 FOLLOW ROOF SLOPE.
- 3 NEW CONDENSING UNITS TO BE MOUNTED ON NEW ROOF CURB. REFER TO ARCHITECTURAL DRAWING FOR DETAIL.
- 4 EXISTING COMMUNICATION PANEL.
- 5 EXISTING MCC PANEL.
- 6 EXISTING DDC PANEL.
- 7 AVOID INSTALLING NEW WATER PIPING ABOVE EXISTING MCC PANEL.
- 8 FOR PIPING PENETRATING THE WALL, SEE ARCH. DETAILS.





PROJECT #151-05897-02



1	ISSUED FOR TENDER	2017.08.16
Revision/	Description/Description	Date/Date

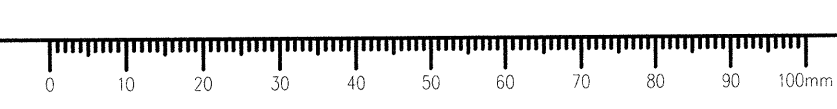
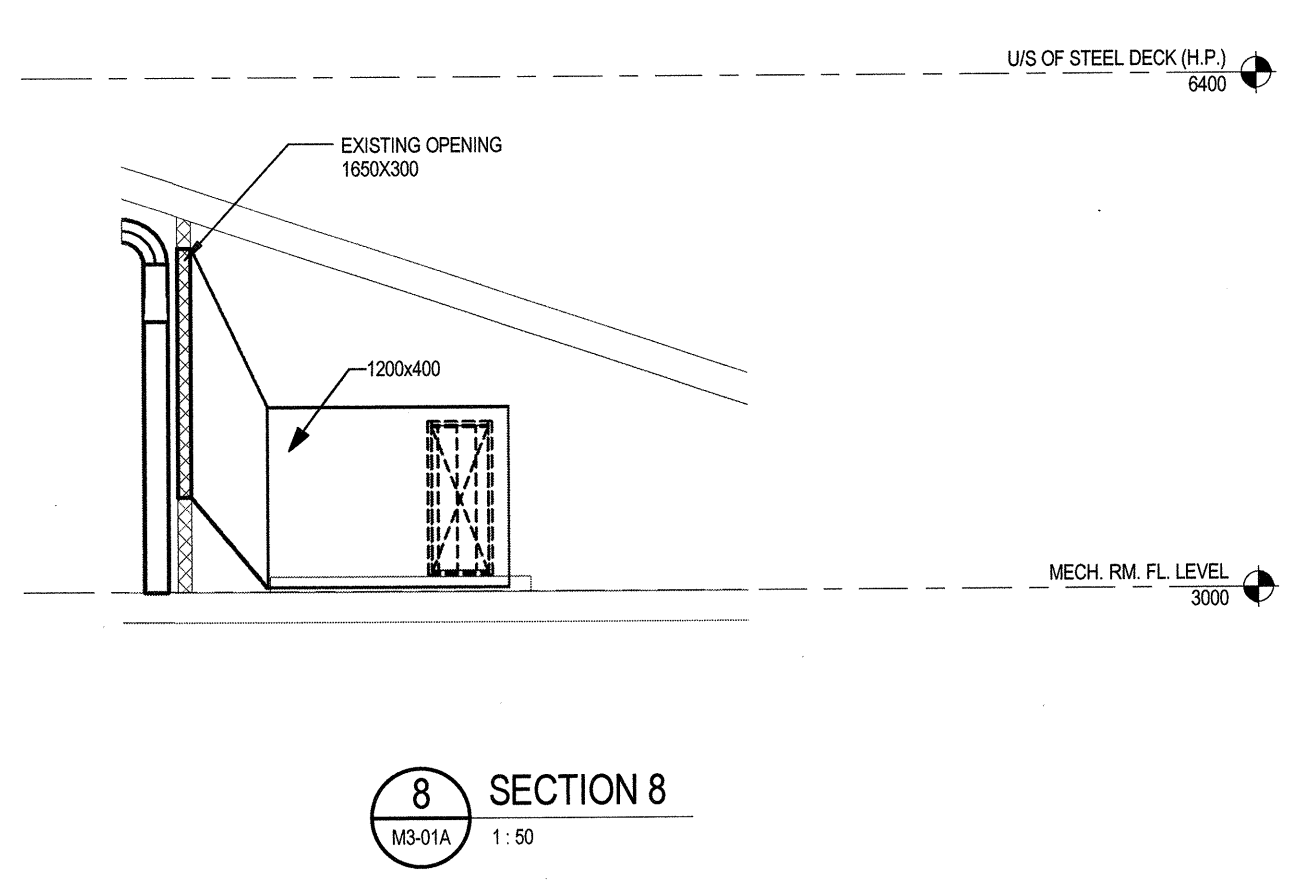
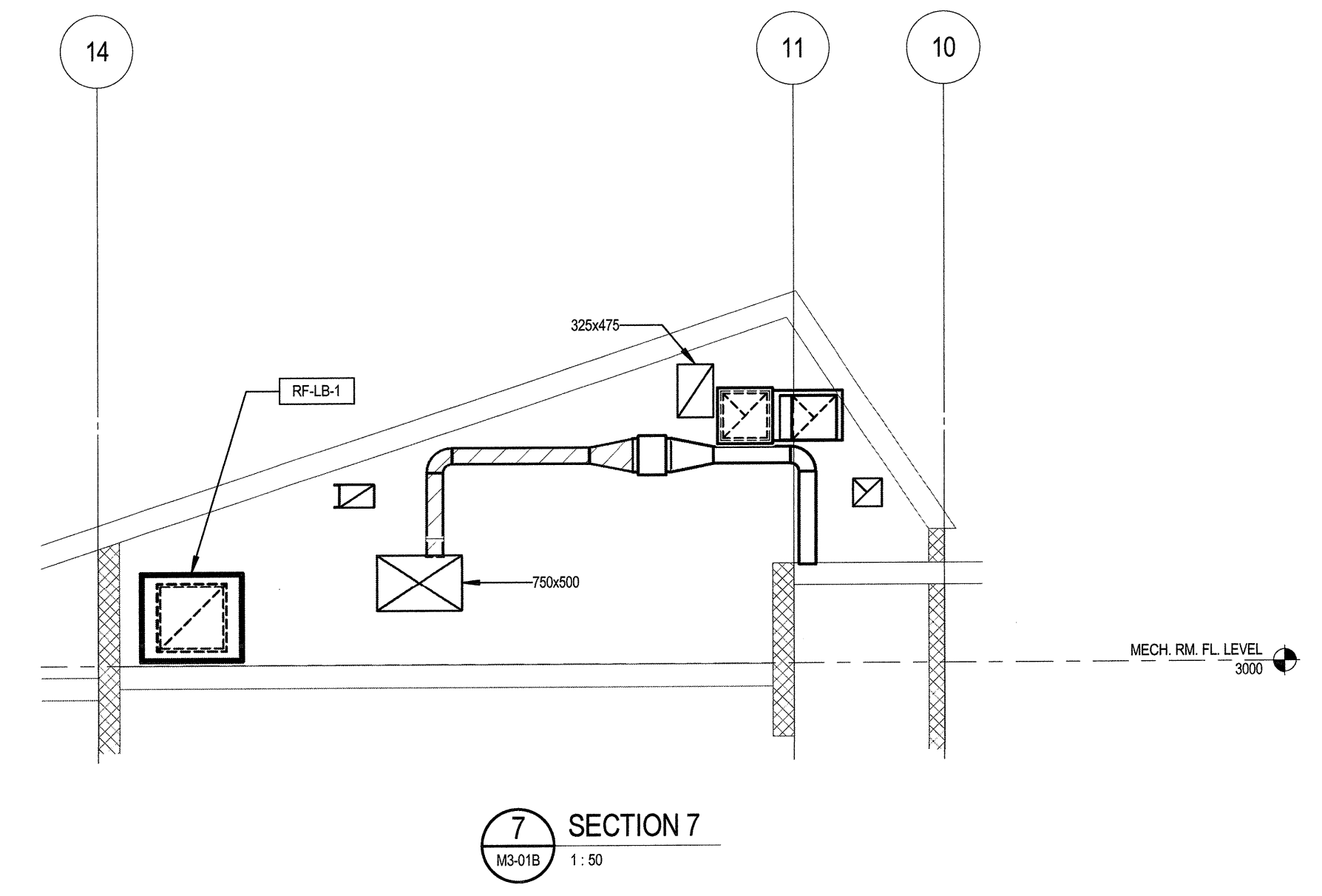
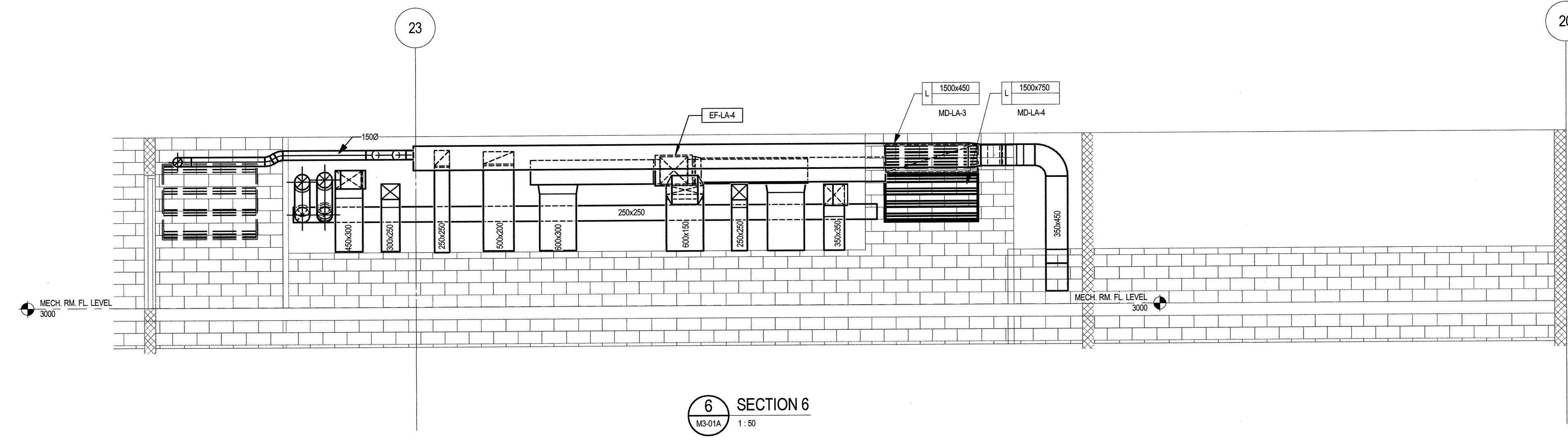
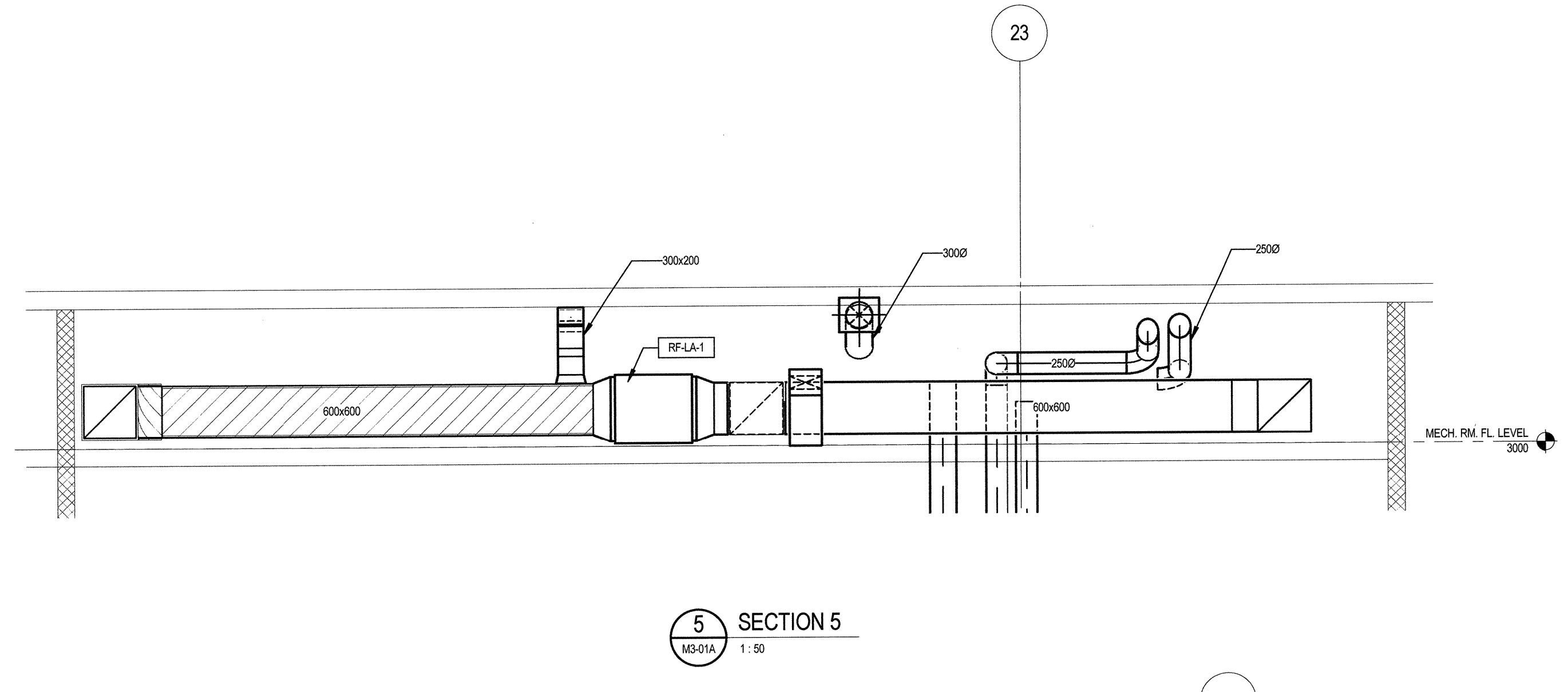
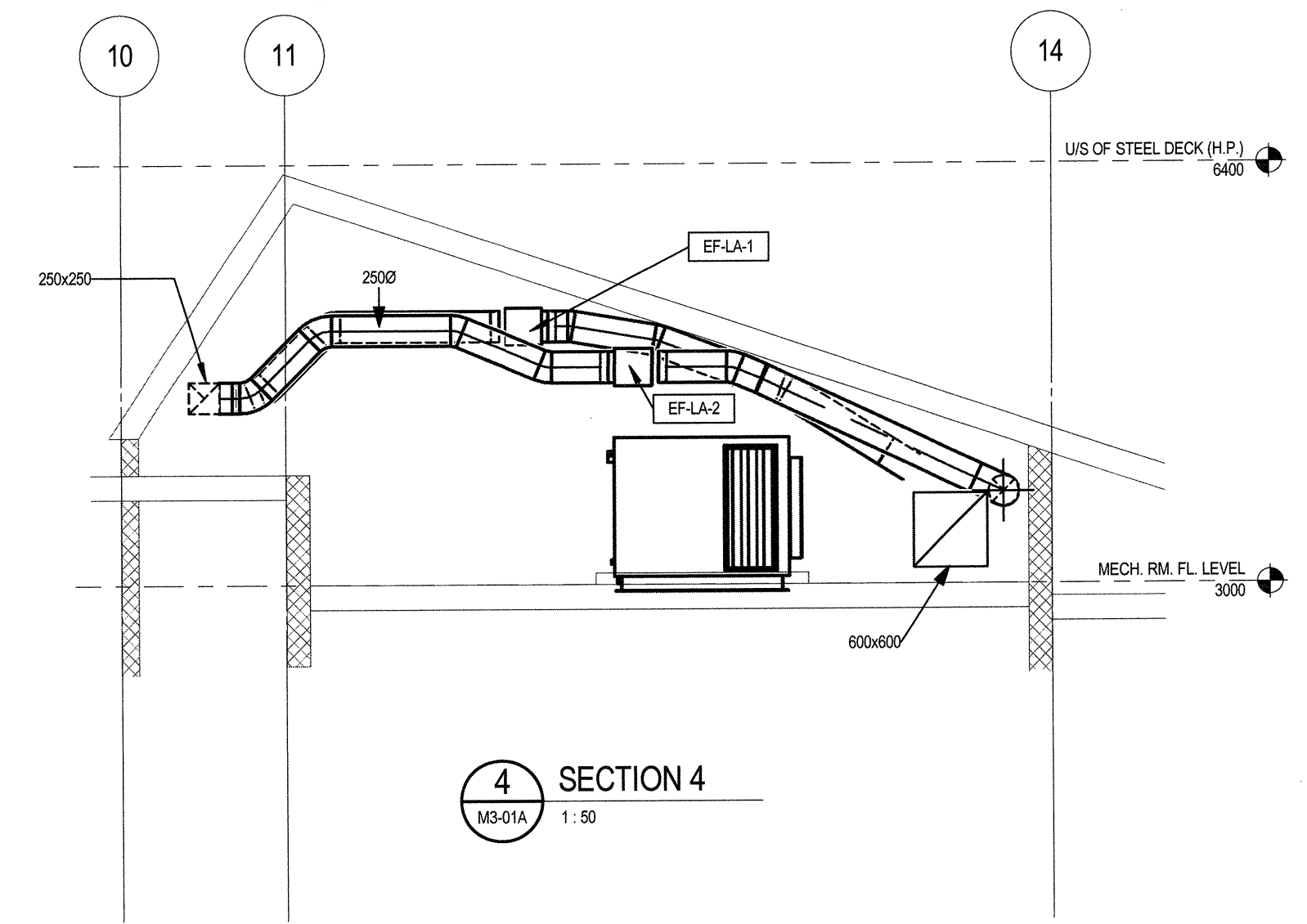
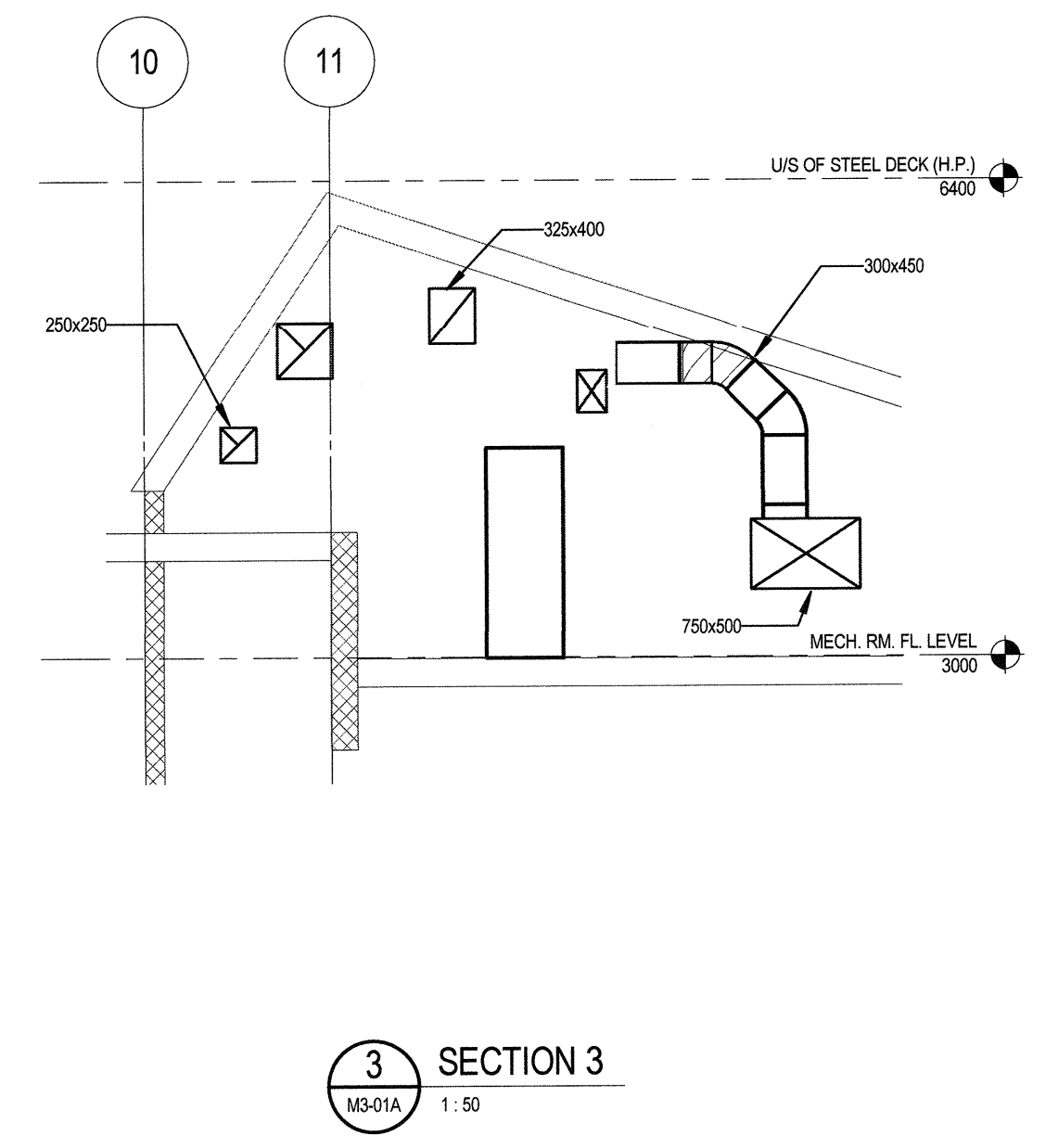
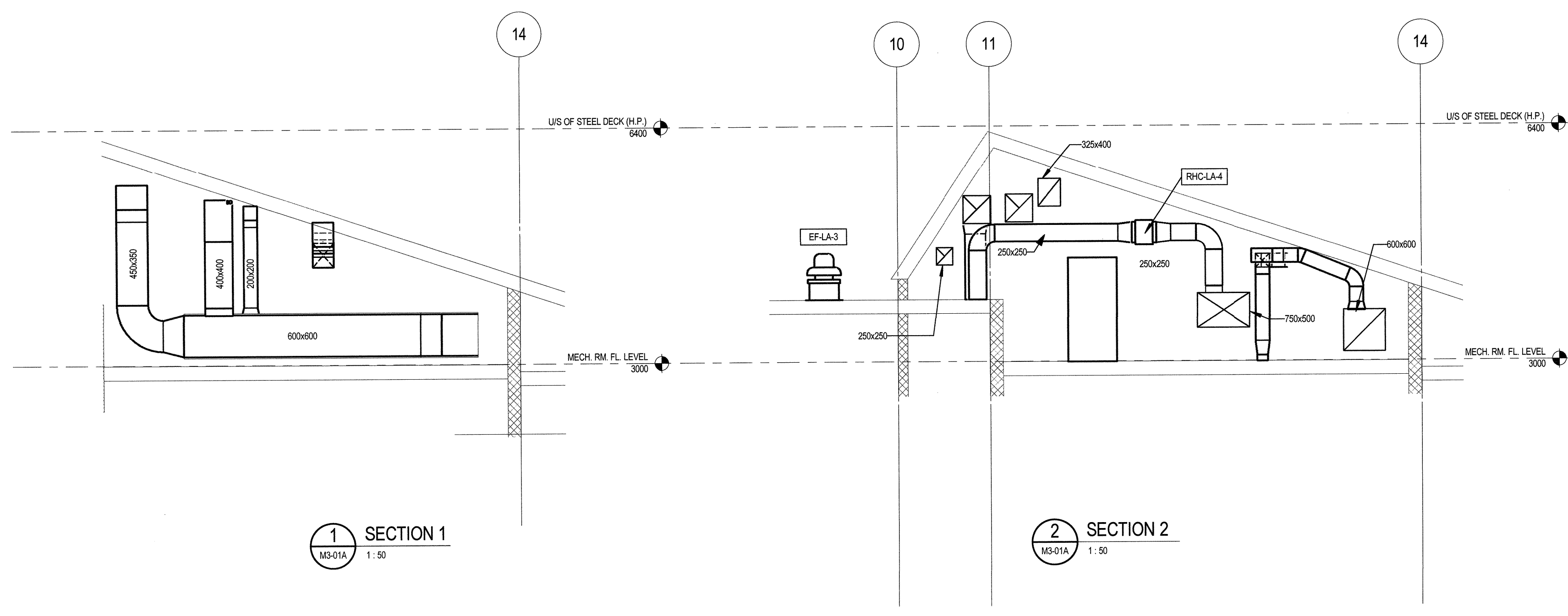
Client/Client  
**CORRECTIONAL SERVICE OF CANADA**

Project title/Titre du projet  
**AGASSIZ, BC KENT MAXIMUM SECURITY INSTITUTION**  
**MECHANICAL SYSTEM UPGRADE FOR CELL BLOCKS A through H and J & K**

Consultant Signature Box Only  
 Designed by/Concept par  
**NK/FH**  
 Drawn by/Dessiné par  
**MY**  
 PWGSC Project Manager/Administrateur de Projets TPSSC  
**MARVIN NG**  
 PWGSC Regional Manager, Architectural and Engineering Services /  
 Gestionnaire régionale, Services d'architecture et de génie, TPSSC  
**PREETIPAL PAUL**

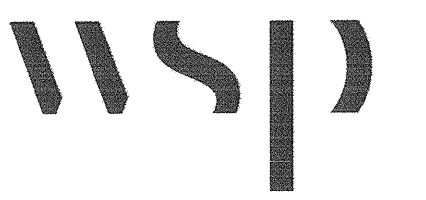
Drawing title/Titre du dessin  
**LIVING UNITS A TO H MECHANICAL EQUIPMENT ROOM - SECTIONS (RENO)**

Project No./No. du projet <b>R.077723.001</b>	Sheet/Fauille <b>M3-02</b> 15 OF 53	Revision no./ La Révisio n no. <b>1</b>
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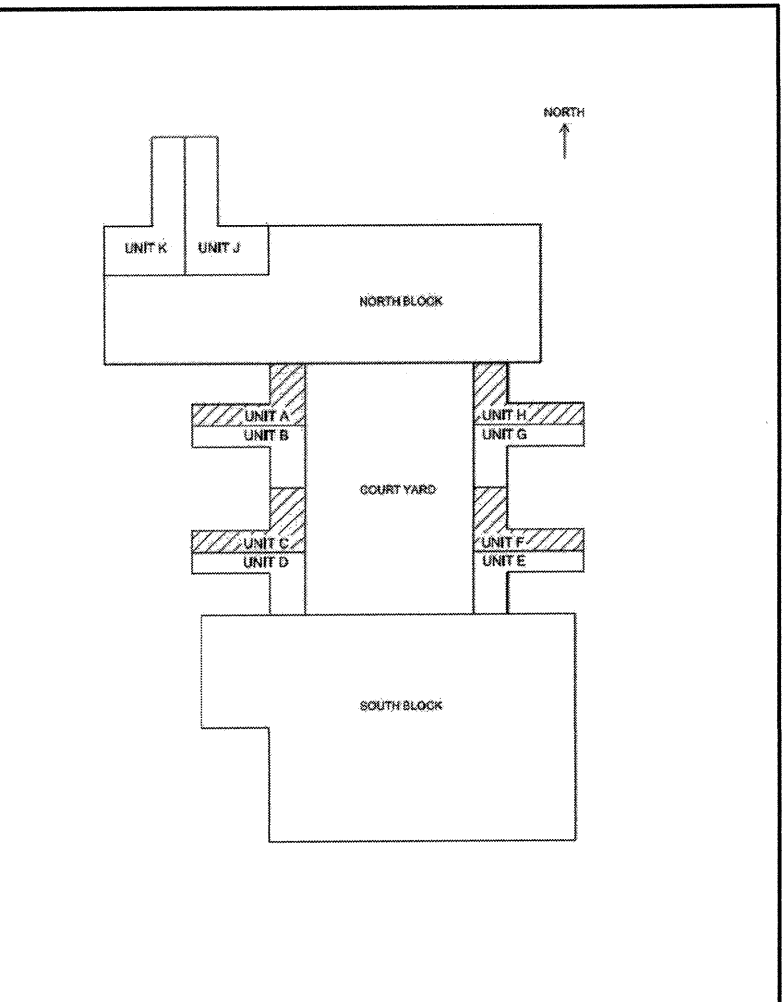




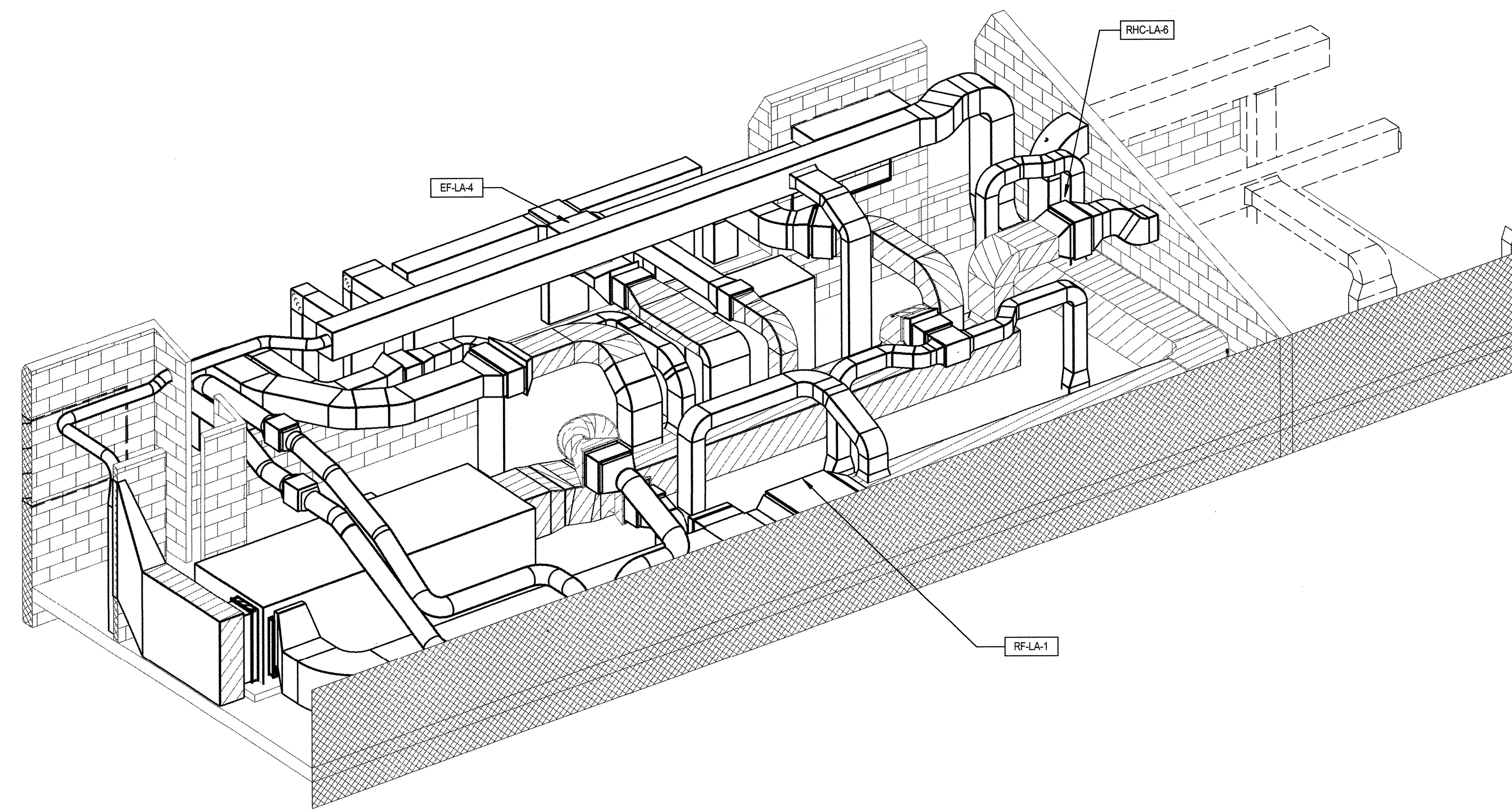
CONSULTANTS:



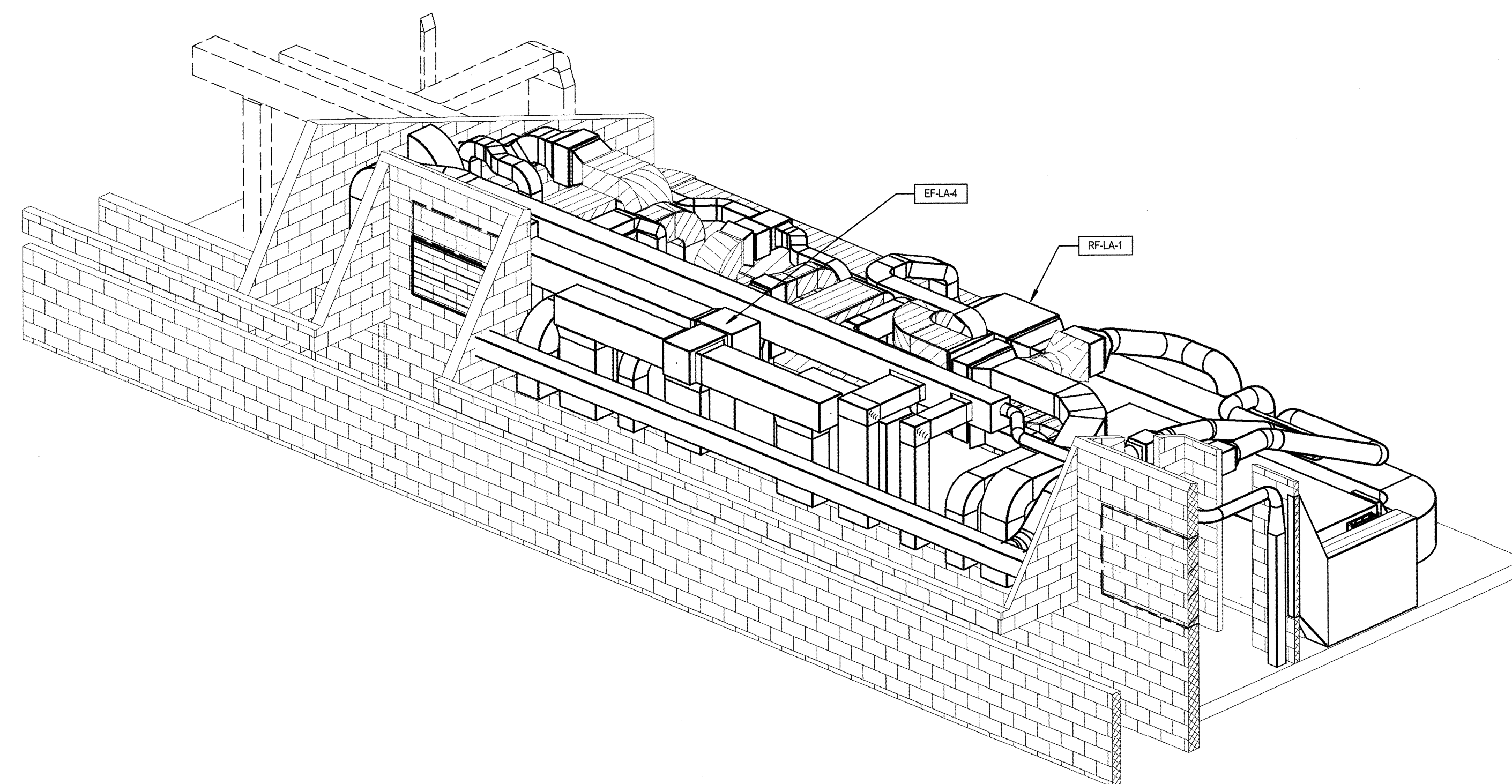
PROJECT #151-05897-02



PROFESSIONAL ENGINEER  
 AUG 16 2017



1 MECHANICAL 3D VIEW 1



2 MECHANICAL 3D VIEW 2

1	ISSUED FOR TENDER	2017.08.16
Revision/Revisión	Description/Description	Date/Date

Client/Client  
**CORRECTIONAL SERVICE OF CANADA**

Project title/Titre du projet  
**AGASSIZ, BC KENT MAXIMUM SECURITY INSTITUTION**  
**MECHANICAL SYSTEM UPGRADE FOR CELL BLOCKS A through H and J & K**

Consultant Signature Box Only  
 Designed by/Concept par  
**NGFH**  
 Drawn by/Dessiné par  
**MY**  
 PWSC Project Manager/Administrateur de Projets TPSGC  
**MARVIN NG**  
 PWSC, Regional Manager, Architectural and Engineering Services/  
 gestionnaire régionale, Services d'architecture et de génie, TPSGC  
**PREETIPAL PAUL**

Drawing title/Titre du dessin  
**LIVING UNITS A TO H MECHANICAL EQUIPMENT ROOM - 3D VIEW PLAN (RENO)**

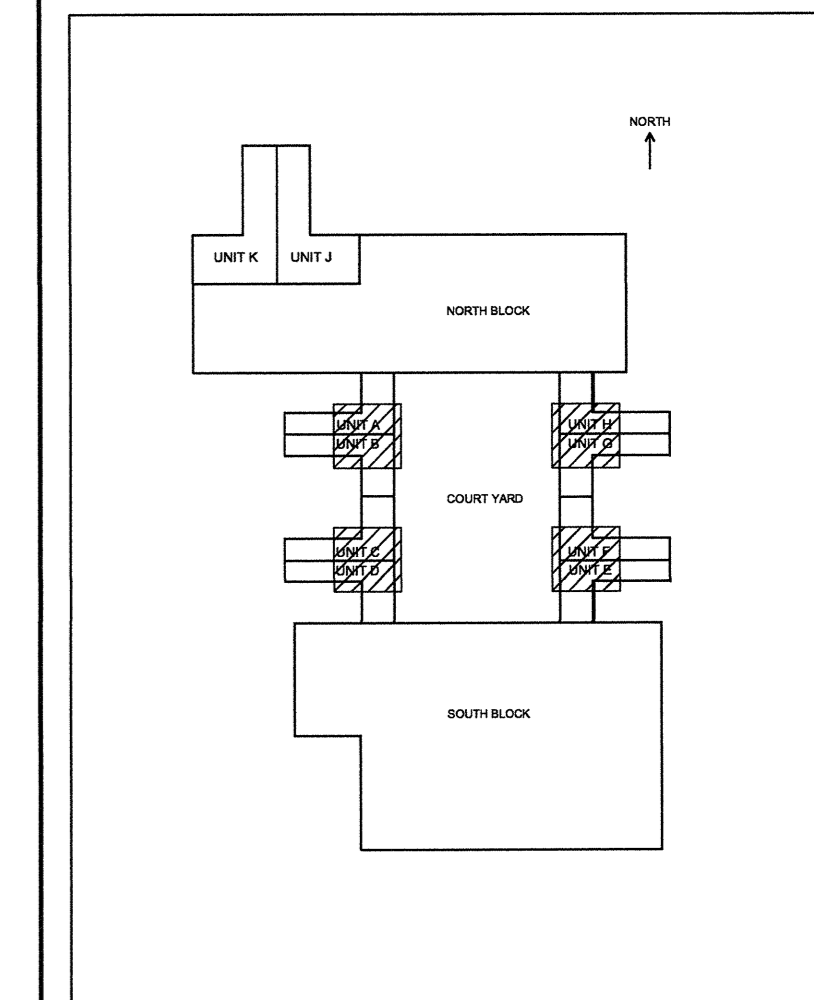
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CONSULTANTS:



PROJECT #151-05897-02



AUG 15 2017

1	ISSUED FOR TENDER	2017.08.16
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Revision/Revisé: Description/Description Date/Date

Client/client  
**CORRECTIONAL SERVICE OF CANADA**

Project title/Titre du projet  
**AGASSIZ, BC  
KENT MAXIMUM SECURITY  
INSTITUTION  
MECHANICAL SYSTEM  
UPGRADE FOR CELL BLOCKS  
A through H and J & K**

Consultant Signature Box Only

Designed by/Concept par  
**NK/FH**

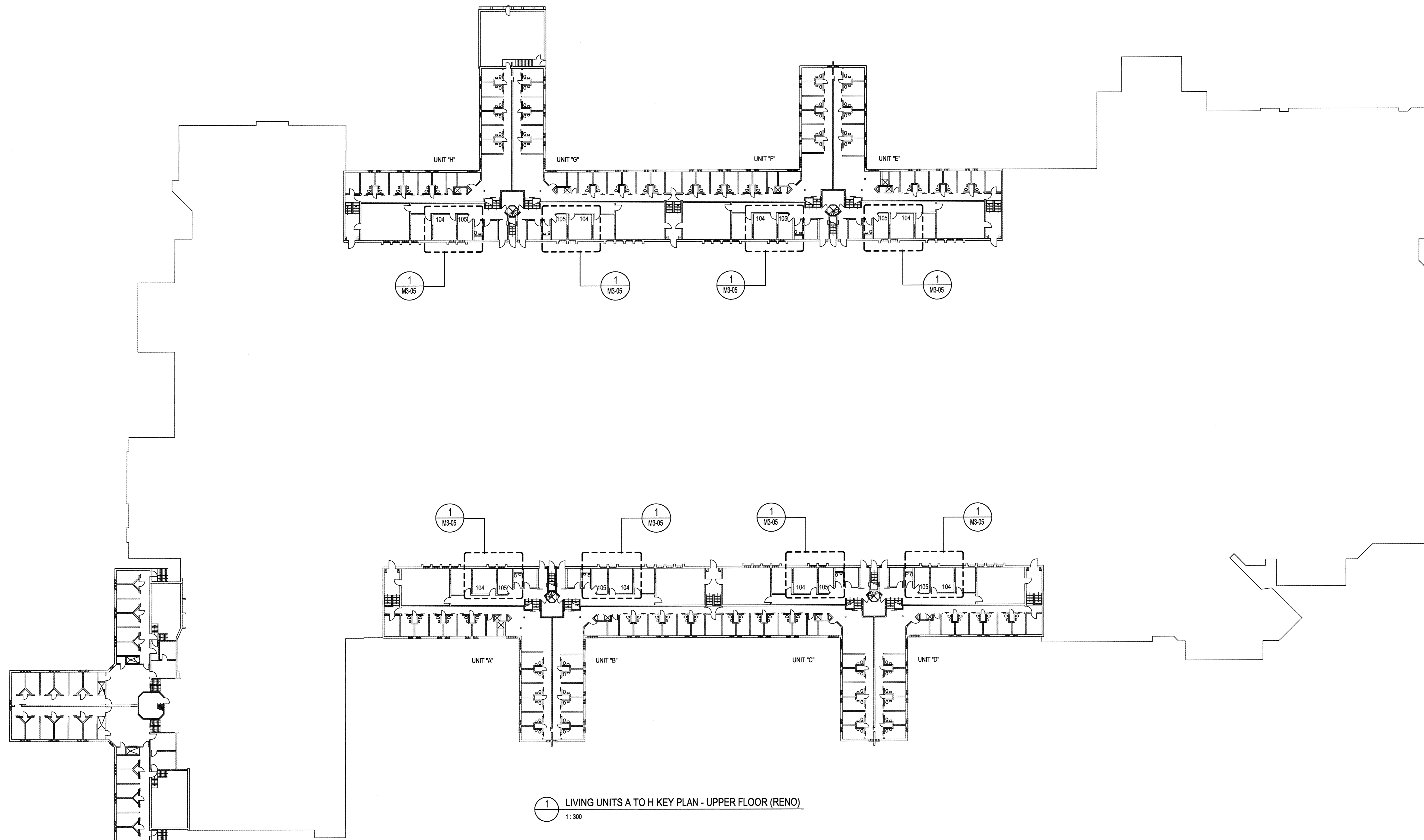
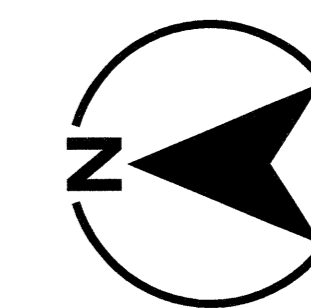
Drawn by/Dessiné par  
**MY/ML**

PWSSC Project Manager/Administrateur de Projets TPSSC  
**MARVIN NG**

PWSSC Regional Manager, Architectural and Engineering Services / Gestionnaire régionale, Services d'architecture et de génie, TPSSC  
**PREETIPAL PAUL**

Drawing title/Titre du dessin  
**LIVING UNIT A TO H  
KEY PLAN  
UPPER FLOOR LEVEL  
(RENO)**

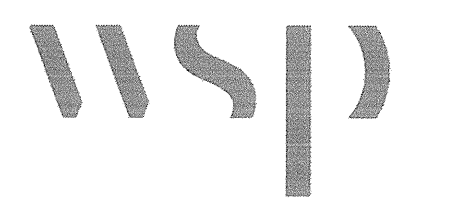
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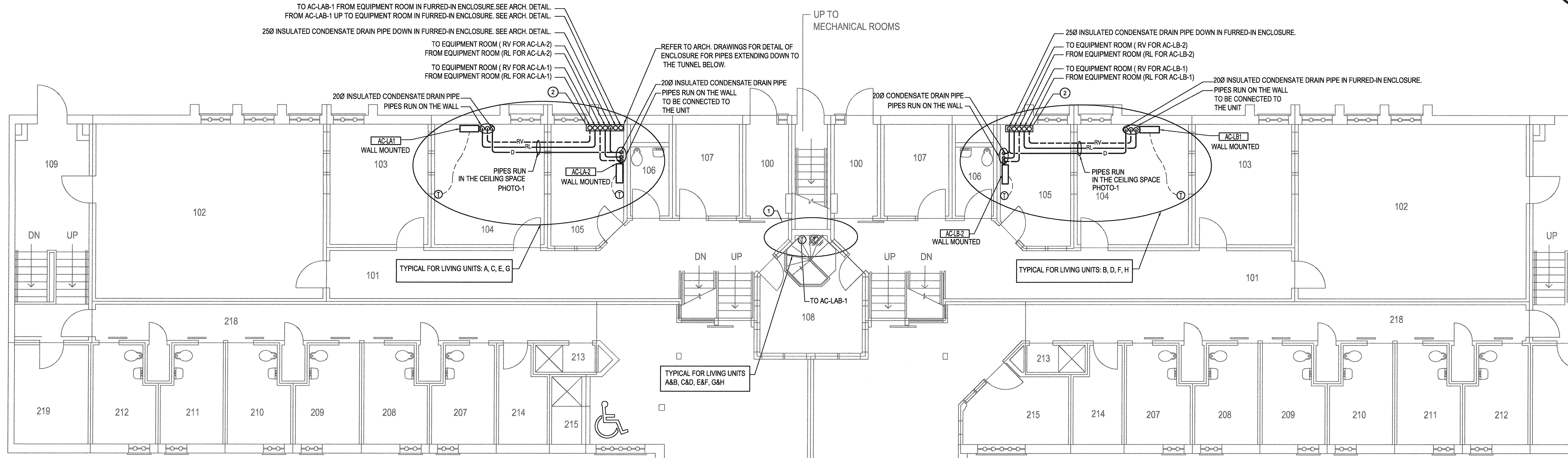
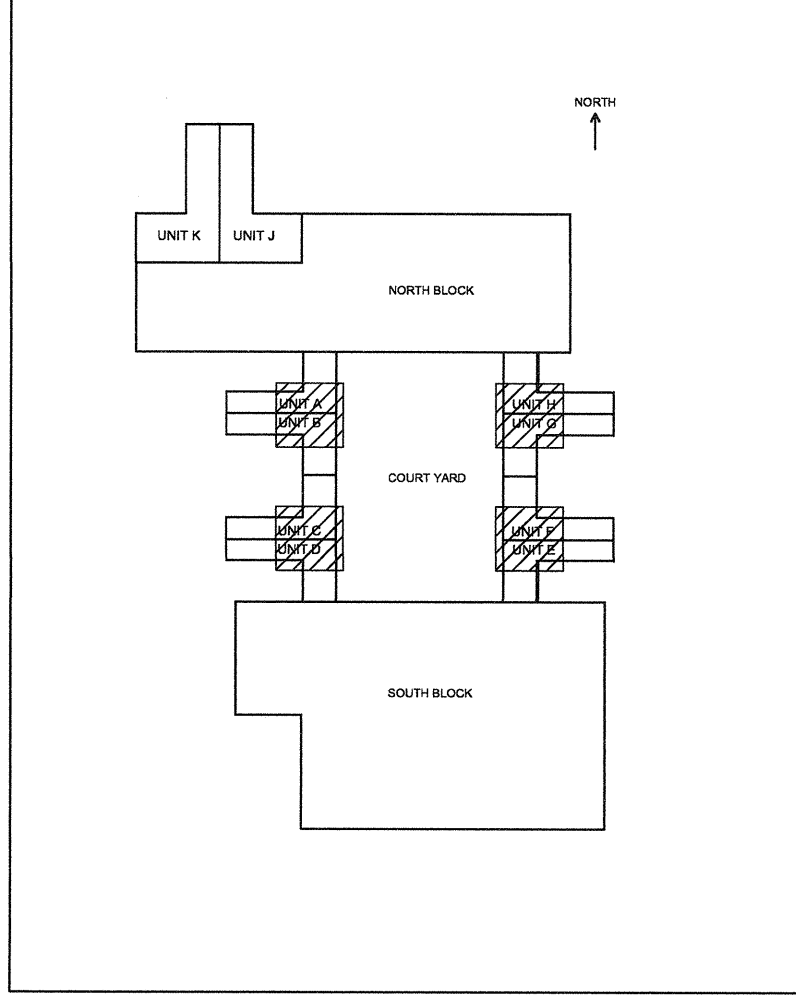
1 LIVING UNITS A TO H KEY PLAN - UPPER FLOOR (RENO)  
1:300



CONSULTANTS:

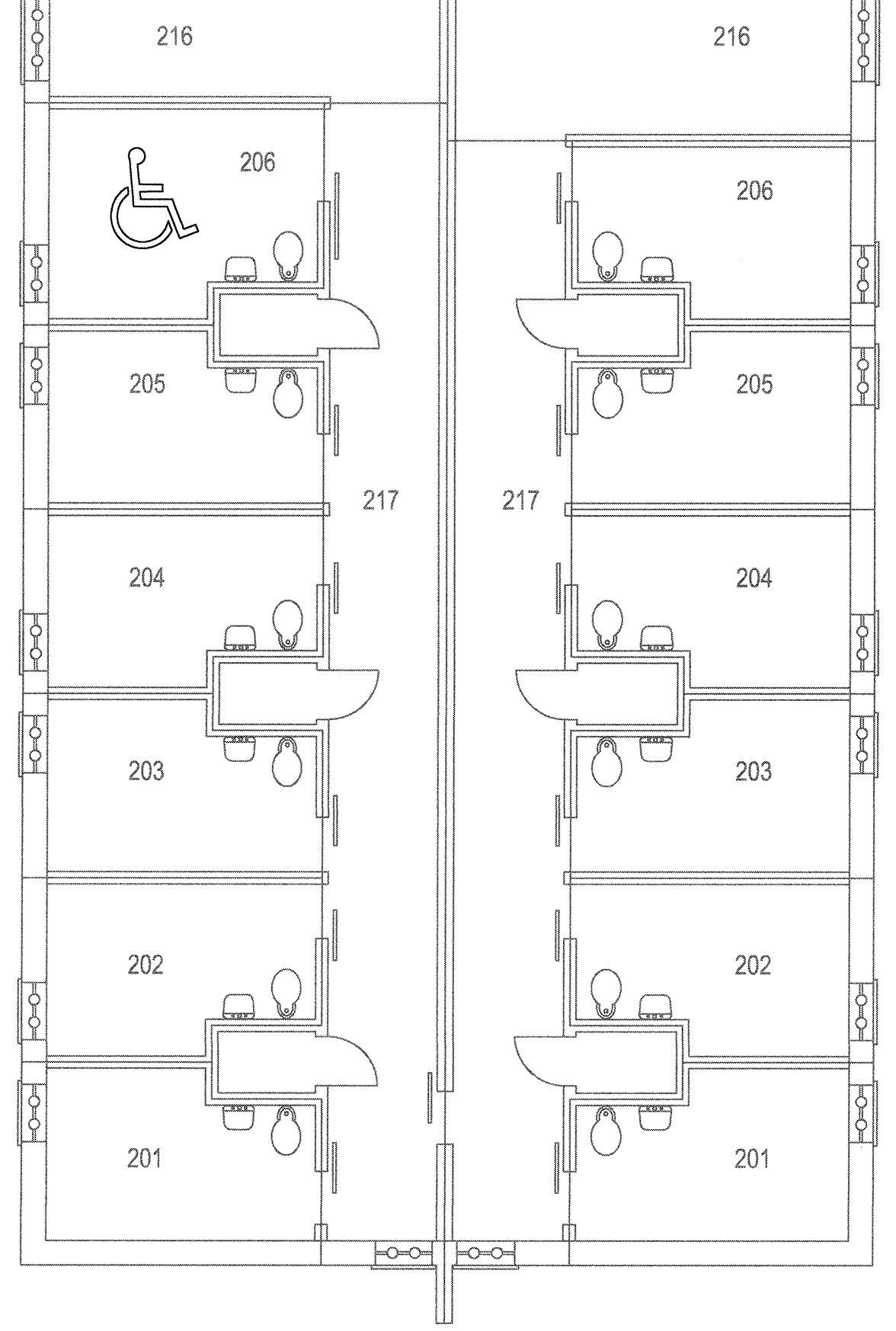


PROJECT #151-05897-02



Unit A	
Living Unit A - Upper Floor	
Rm. #	Name
100	Vestibule
101	Corridor
102	Assembly / Recreation
103	Common Room
104	IPO Office
105	Living Unit Office
106	Staff Washroom
107	Kitchenette
108	Security Control
109	Fire Escape
201	Cell
202	Cell
203	Cell
204	Cell
205	Cell
206	B.F. Cell
207	Cell
208	Cell
209	Cell
210	Cell
211	Cell
212	Cell
213	Showers
214	Janitor Room
215	B.F. Shower
216	Common Area
217	Corridor West
218	Corridor North
219	Storage
	Service Stairs

UNIT "A"



UNIT "B"

Unit B	
Living Unit B - Upper Floor	
Rm. #	Name
100	Vestibule
101	Corridor
102	Assembly / Recreation
103	Common Room
104	IPO Office
105	Living Unit Office
106	Staff Washroom
107	Kitchenette
109	Fire Escape
201	Cell
202	Cell
203	Cell
204	Cell
205	B.F. Cell
206	Cell
207	Cell
208	Cell
209	Cell
210	Cell
211	Cell
212	Cell
213	Showers
214	Janitor Room
215	Laundry
216	Common Area
217	Corridor West
218	Corridor North
219	Storage

KEYNOTES:

- 1 DEMOLISH THE EXISTING T-STAT AND PROVIDE NEW. INSTALL AT THE SAME LEVEL AS THE EXISTING.
- 2 FOR PIPING PENETRATING THE FLOOR REFER TO ARCHITECTURAL DETAILS.

GENERAL NOTES:

- 1. MAKE GOOD OF ALL DAMAGED CEILING AND WALL MATCH EXISTING FINISH.

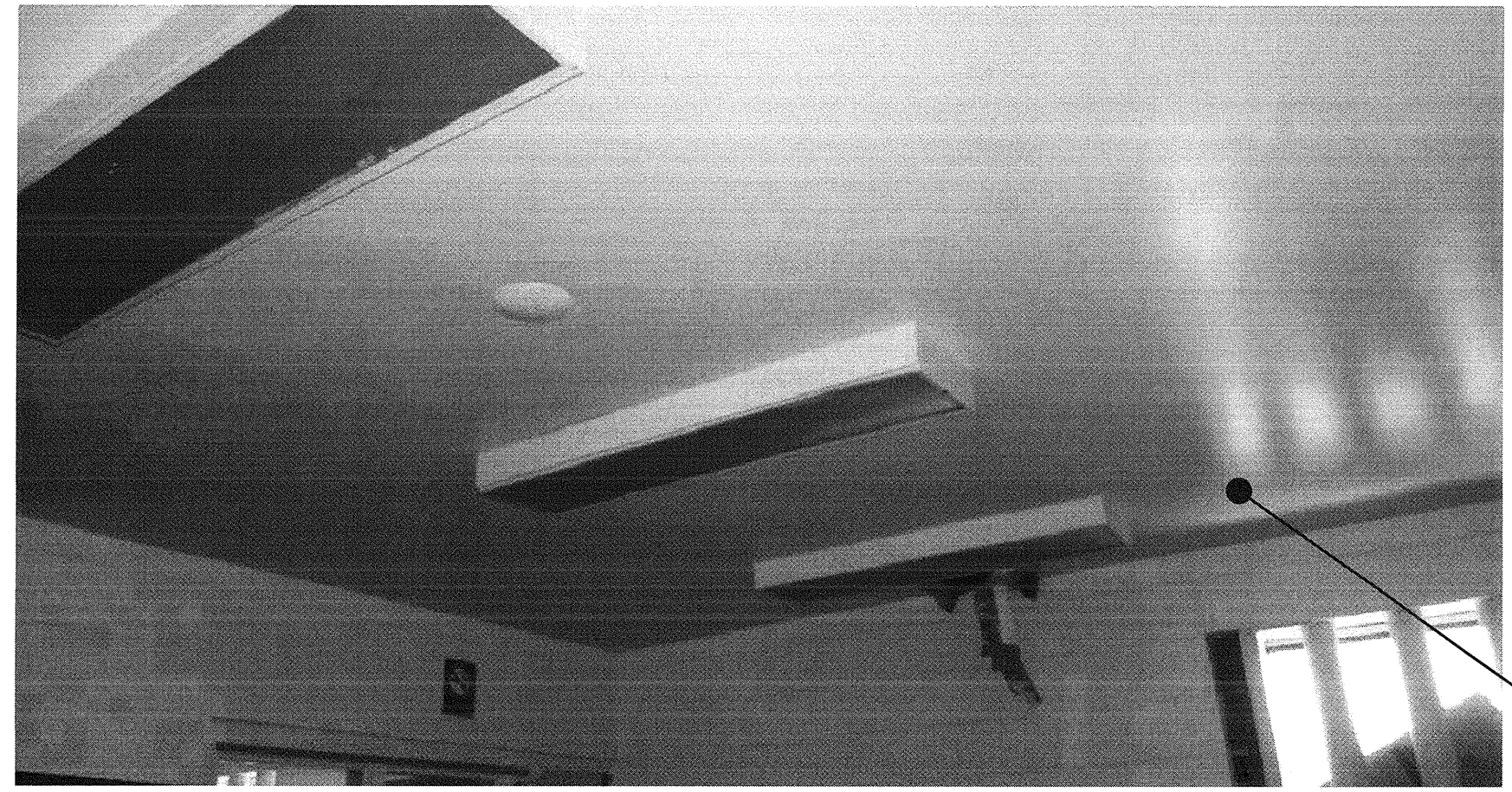


PHOTO-1

RUN REFRIGERANT PIPE IN THIS CEILING SPACE. REFER TO ARCHITECTURAL DRAWINGS FOR DETAIL.

1 LIVING UNIT - UPPER FLOOR PLAN (RENO)  
1:125 FOR LIVING UNITS A&B, C&D, E&F, G&H



*[Signature]*  
AUG 16 2017

1	ISSUED FOR TENDER	2017.08.16
Revision/Revisions	Description/Description	Date/Date

Client/Client  
**CORRECTIONAL SERVICE OF CANADA**

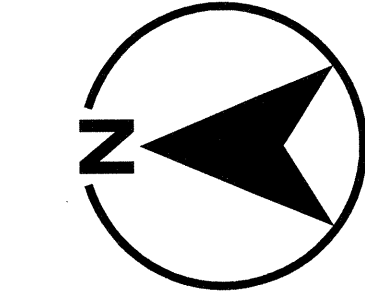
Project title/Titre du projet  
**AGASSIZ, BC  
KENT MAXIMUM SECURITY INSTITUTION  
MECHANICAL SYSTEM UPGRADE FOR CELL BLOCKS A through H and J & K**

Consultant Signature Box Only  
Designed by/Concept par  
**NK/FH**  
Drawn by/Dessiné par  
**MY/ML**  
PWGSC Project Manager/Administrateur de Projets TPSGC  
**MARVIN NG**  
PWGSC, Regional Manager, Architectural and Engineering Services /  
Gestionnaire Régional, Services d'architecture et de génie, TPSGC  
**PREETIPAL PAUL**

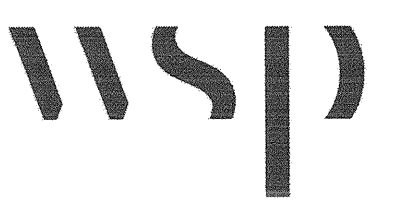
Drawing title/Titre du dessin  
**LIVING UNITS A TO H  
UPPER FLOOR PLAN  
(RENO)**

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
<b>R.077723.001</b>	<b>M3-05</b>	<b>1</b>
		18 OF 53

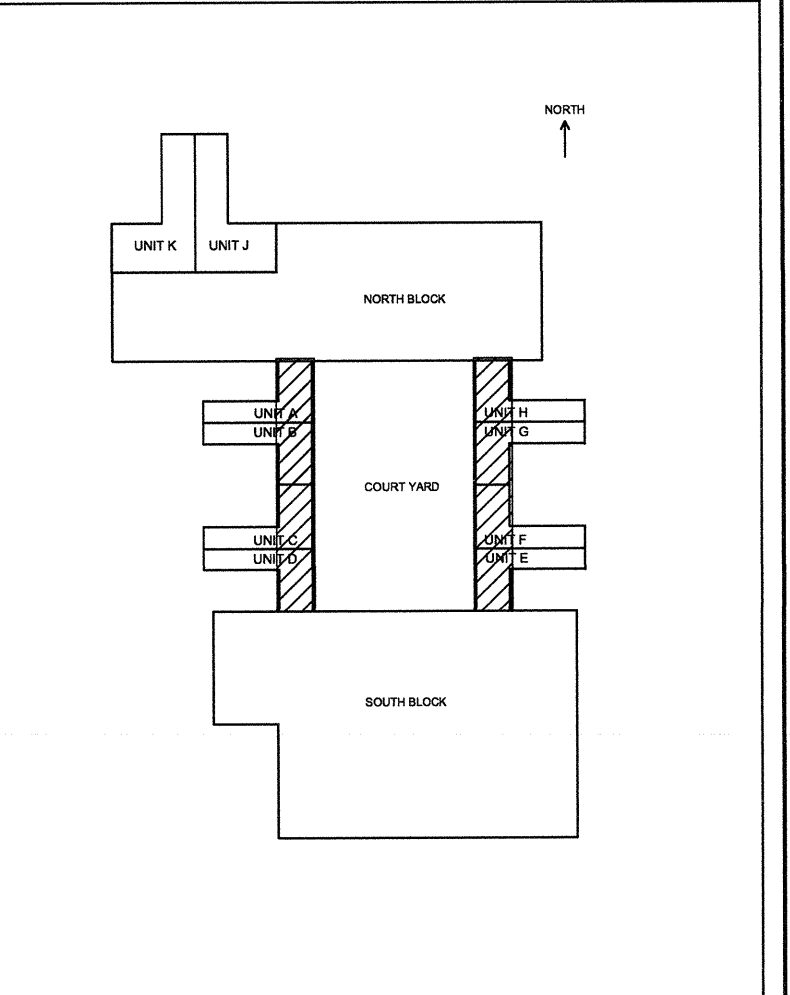




CONSULTANTS:



PROJECT #151-05897-02



1	ISSUED FOR TENDER	2017.08.16
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Client/client

**CORRECTIONAL SERVICE OF CANADA**

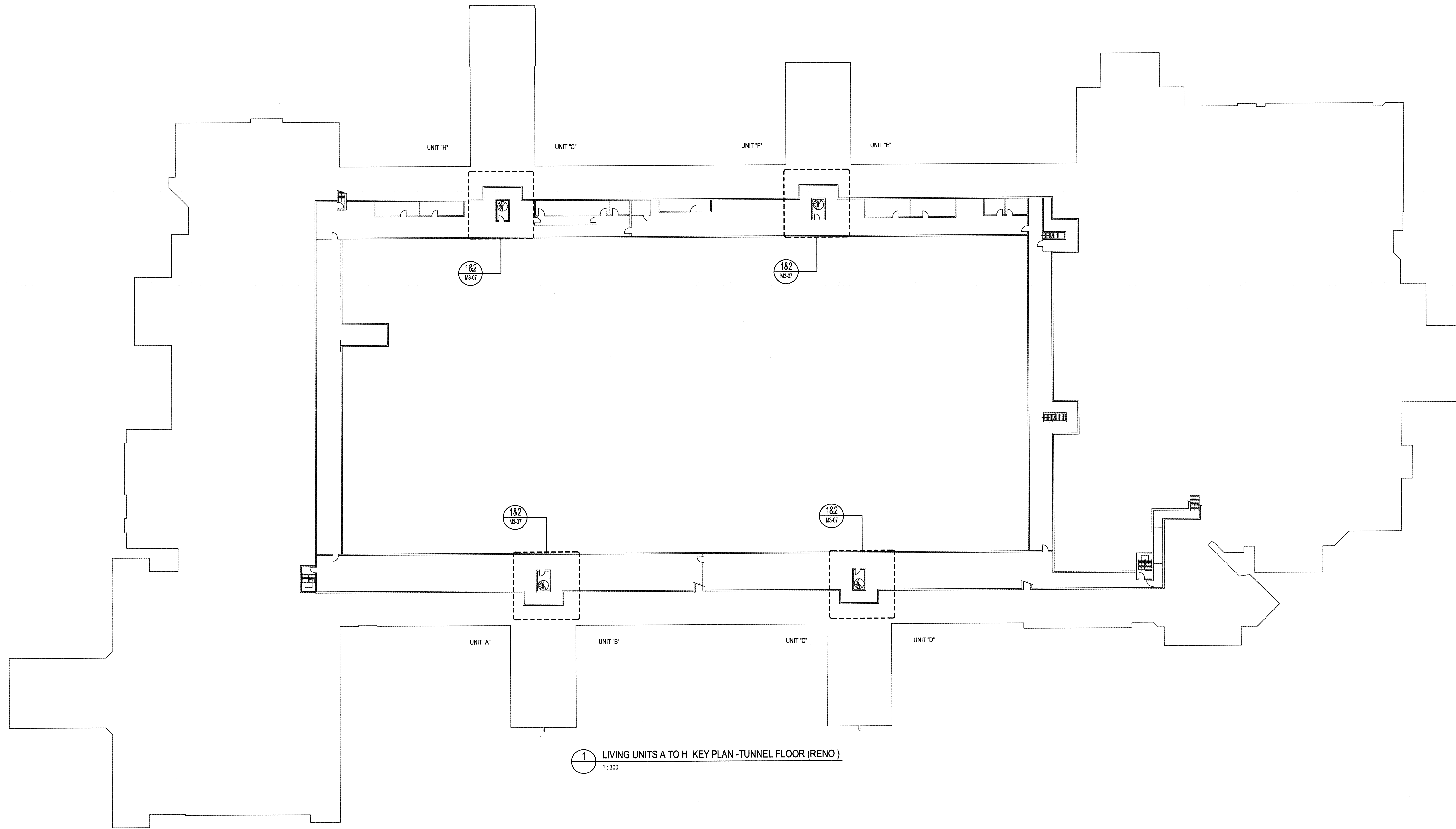
Project title/Titre du projet  
**AGASSIZ, BC  
 KENT MAXIMUM SECURITY  
 INSTITUTION  
 MECHANICAL SYSTEM  
 UPGRADE FOR CELL BLOCKS  
 A through H and J & K**

Consultant Signature Box Only

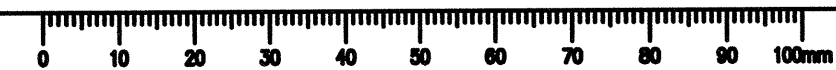
Designed by/Concept par  
**NK/FH**  
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**MY/ML**  
 PWSSC Project Manager/Administrateur de Projets TPSSC  
**MARVIN NG**  
 PWSSC Regional Manager, Architectural and Engineering Services/  
 Gestionnaire régionale, Services d'architecture et de génie, TPSSC  
**PREETIPAL PAUL**

Drawing title/Titre du dessin  
**LIVING UNITS A TO H  
 KEY PLAN  
 TUNNEL LEVEL  
 (RENO)**

Project No./No. du projet <b>R.077723.001</b>	Sheet/Fauille <b>M3-06</b>	Revision no./ Le Révision no. <b>1</b>
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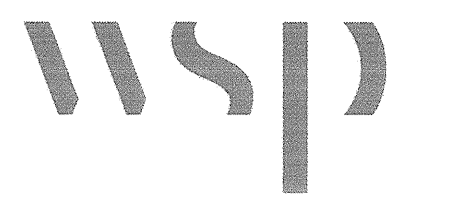


1 LIVING UNITS A TO H KEY PLAN -TUNNEL FLOOR (RENO)  
 1:300

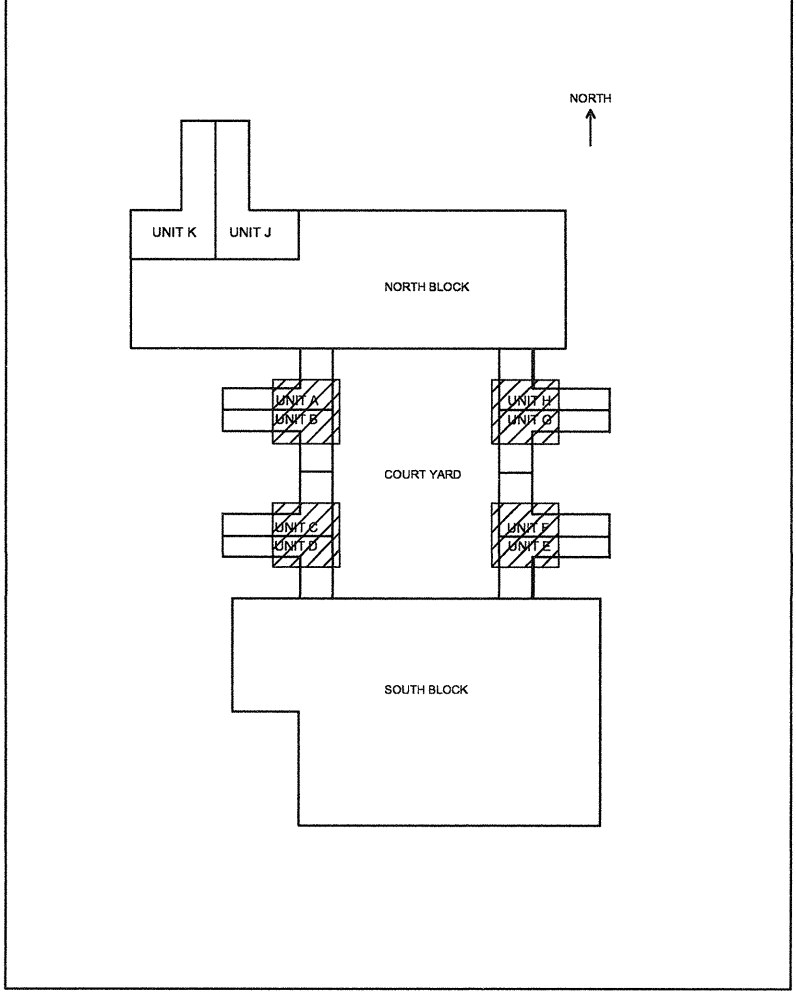




CONSULTANTS:



PROJECT #151-05897-02



1	ISSUED FOR TENDER	2017.08.16
Revision/ Révision	Description/Description	Date/Date

Client/Client: **CORRECTIONAL SERVICE OF CANADA**

Project Title/Titre du projet: **AGASSIZ, BC KENT MAXIMUM SECURITY INSTITUTION MECHANICAL SYSTEM UPGRADE FOR CELL BLOCKS A through H and J & K**

Consultant Signature Box Only

Designed by/Concept par: **NK/FH**

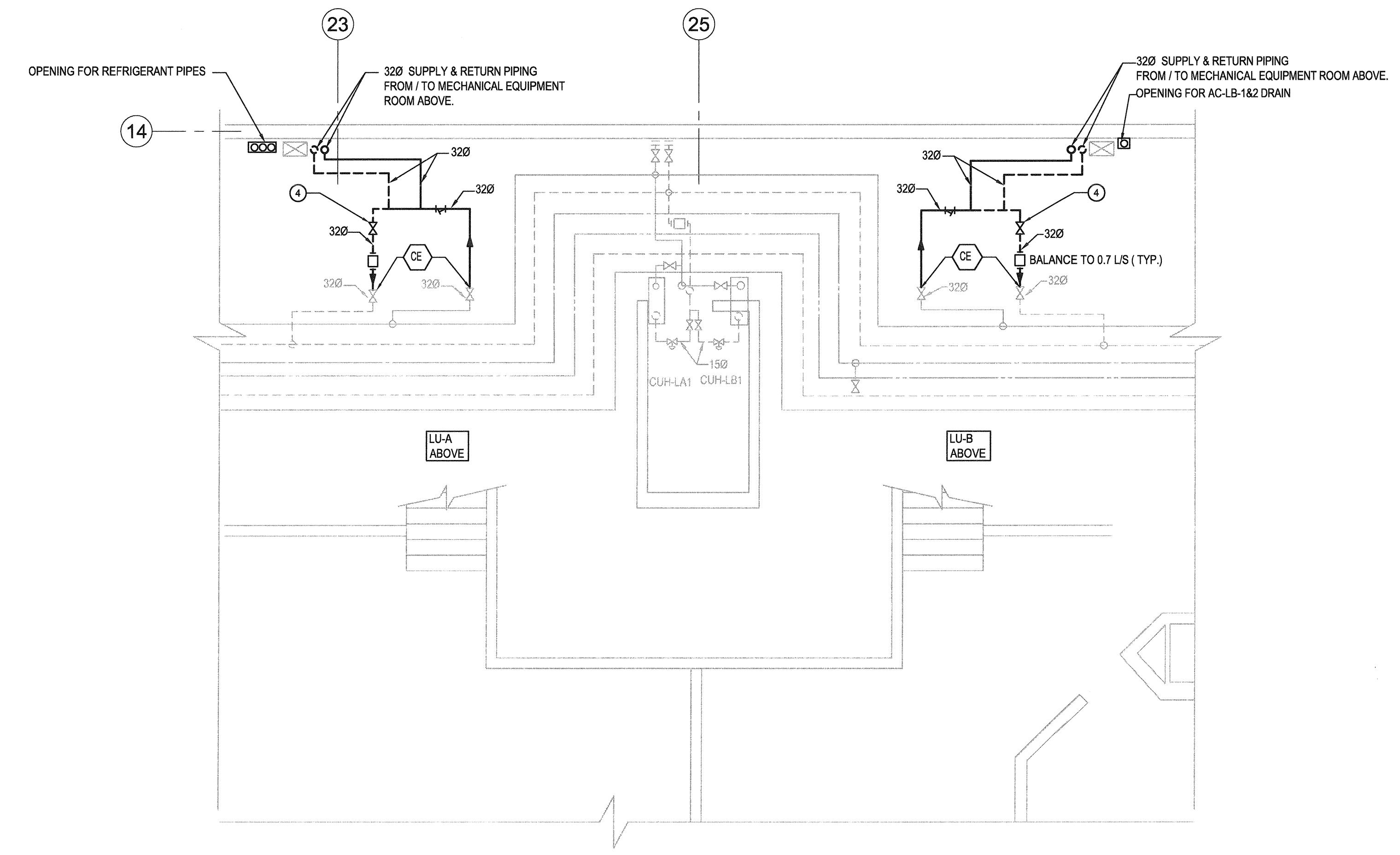
Drawn by/Dessiné par: **MY/ML**

PWOSC Project Manager/Administrateur de Projets TPSCG: **MARVIN NG**

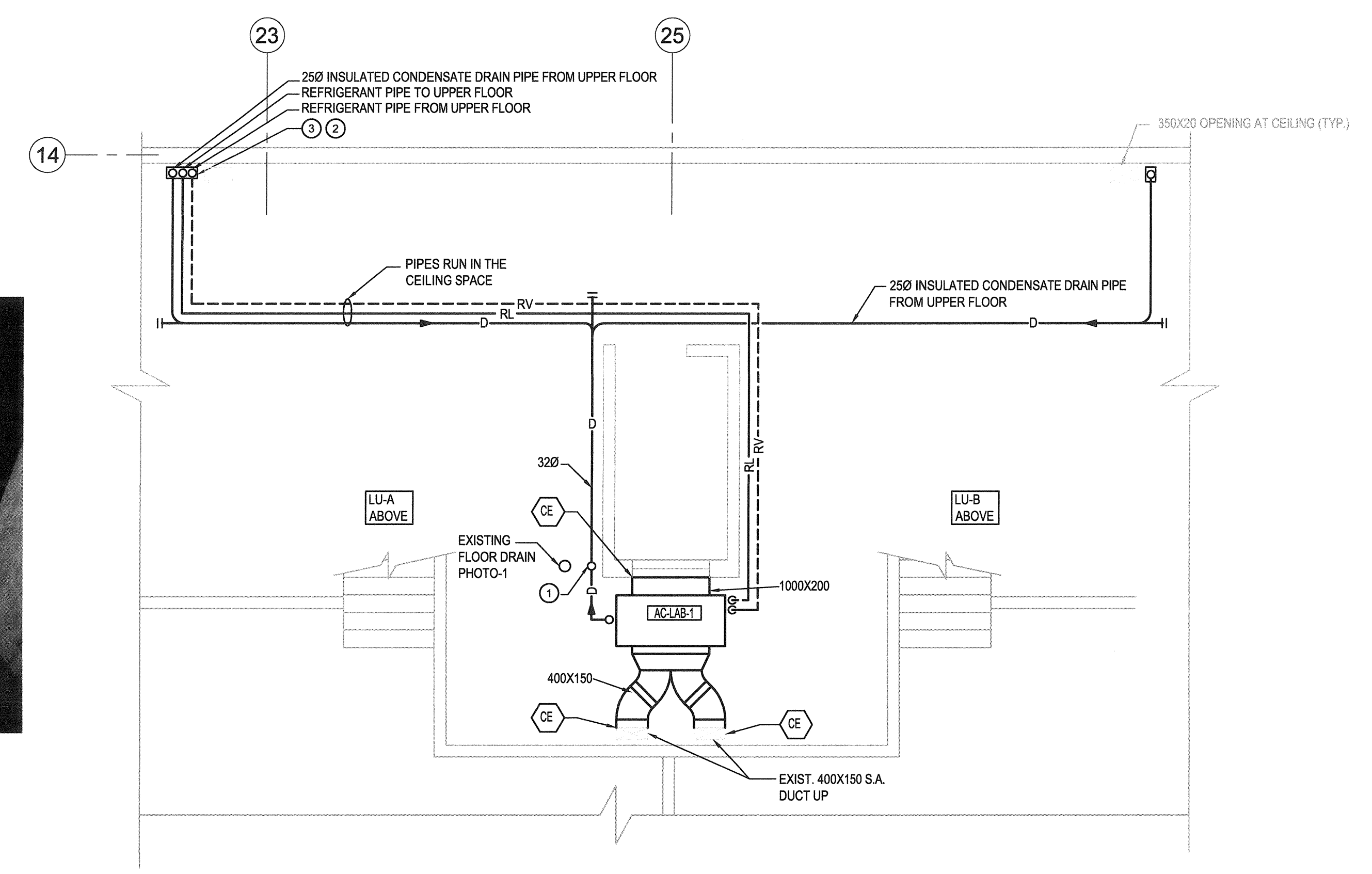
Project Architect/Architecte: **PREETIPAL PAUL**

Drawing Title/Titre du dessin: **LIVING UNITS A TO H TUNNEL PLAN (RENO)**

Project No./No. du projet: <b>R.077723.001</b>	Sheet/Feuille: <b>M3-07</b>	Revision no./La Révision no.: <b>1</b>
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1 LIVING UNIT - TUNNEL FLOOR PLAN SHOWING NEW HYDRONIC BRIDGE AND PIPING BRANCH FOR EQUIPMENT ROOM ABOVE (RENO)  
1:50 FOR LIVING UNITS A&B, C&D, E&F, G&H



2 LIVING UNIT - TUNNEL FLOOR PLAN SHOWING NEW AC UNIT AND REFRIGERANT PIPING (RENO)  
1:50 FOR LIVING UNITS A&B (CAD, E&F, G&H)

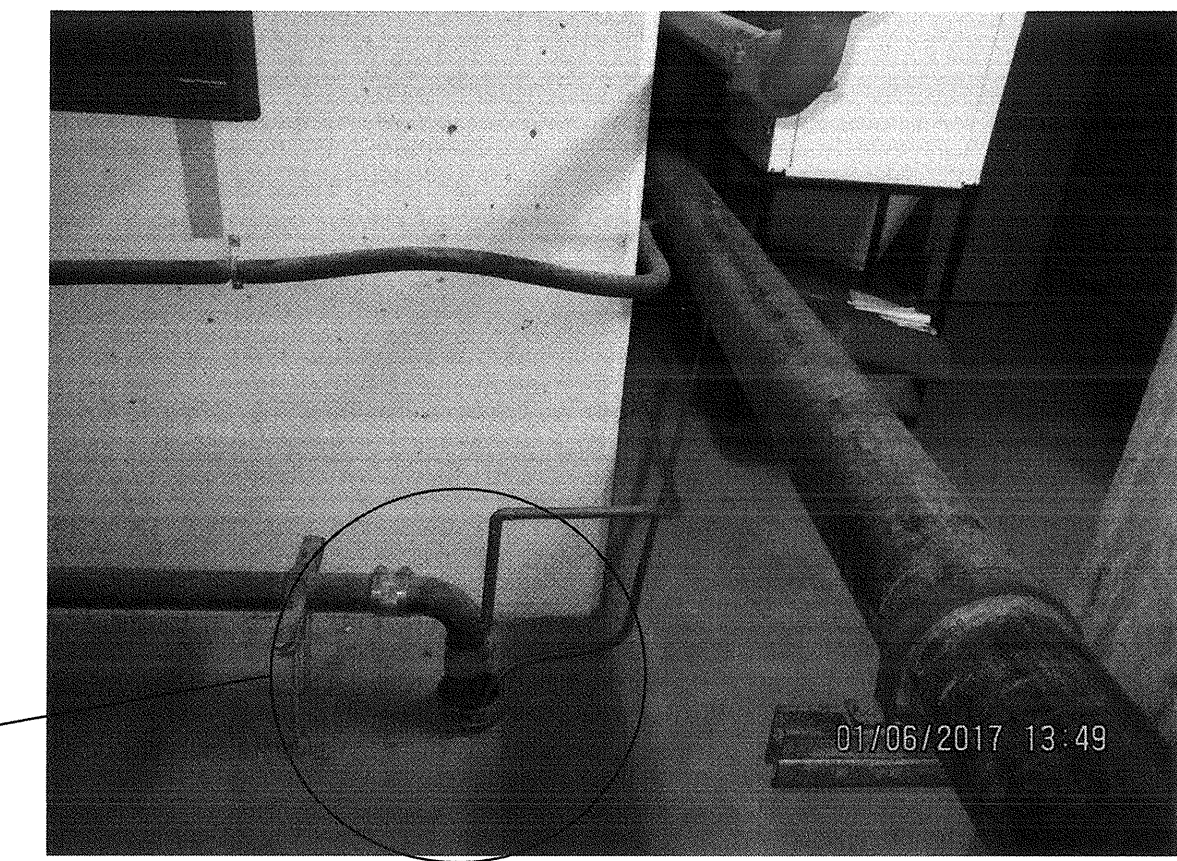


PHOTO-1 SHOWING DRAIN LOCATION

CONDUCT THE AC-LAB-1 DRAIN TO THIS EXISTING DRAIN

GENERAL NOTES:

1. MAKE GOOD OF ALL DAMAGED WALL AND CEILING. MATCH EXISTING FINISH.

KEYNOTES:

- 1 320 CONDENSATE DRAIN PIPE TO EXISTING DRAIN / SANITARY DRAIN. (PHOTO-1)
- 2 FOR PIPE FIRE RATED ENCLOSURE/ PROTECTION REFER TO ARCHITECTURAL DETAILS.
- 3 FILL WITH RATED FIRESTOP AND SEALANT AROUND REFRIGERANT PIPING AT FLOOR SLAB OPENING.
- 4 ADDED FOR EASY REMOVAL OF BALANCING VALVE IN FUTURE.

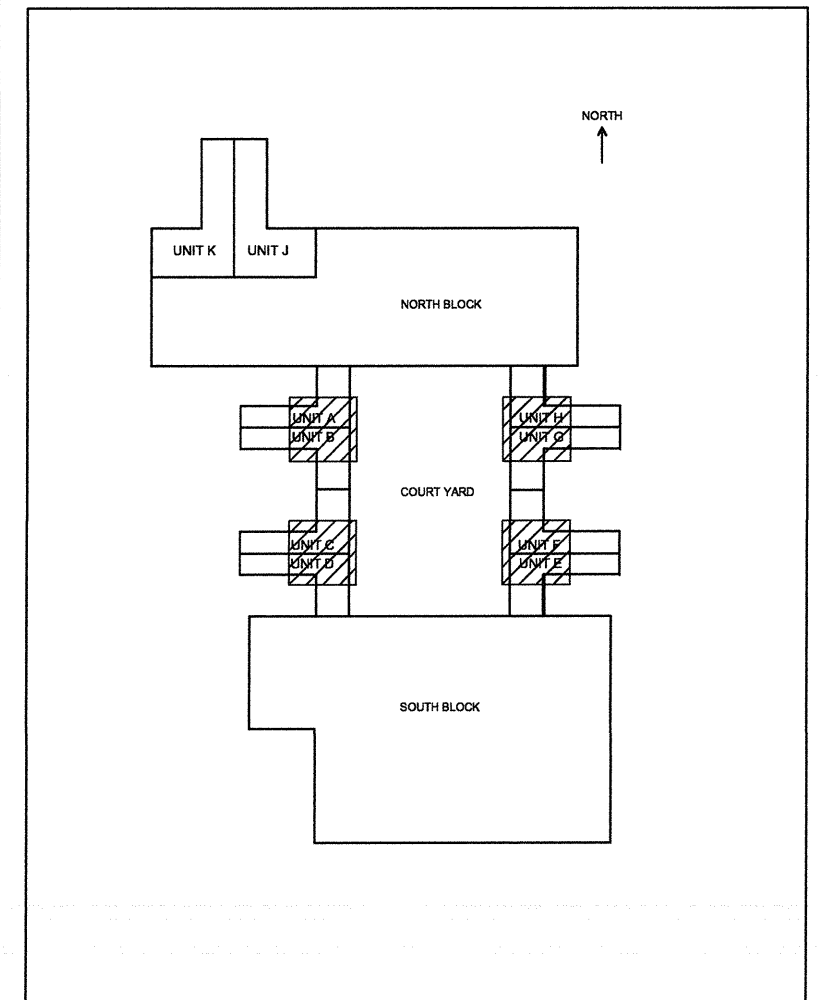




CONSULTANTS:



PROJECT #151-05987-02



1	ISSUED FOR TENDER	2017.08.16
Revision/	Description/Description	Date/Date

Client/client

**CORRECTIONAL SERVICE OF CANADA**

Project title/Titre du projet  
**AGASSIZ, BC  
KENT MAXIMUM SECURITY  
INSTITUTION**  
**MECHANICAL SYSTEM  
UPGRADE FOR CELL BLOCKS  
A through H and J & K**

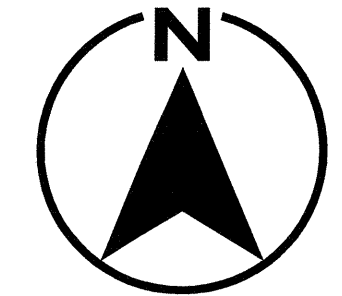
Consultant Signature Box Only

Designed by/Concept par  
**NK/FH**  
Drawn by/Dessiné par  
**MY/ML**  
PWSC Project Manager/Administrateur de Projets TPSGC  
**MARVIN NG**  
PWSC Regional Manager, Architectural and Engineering Services/  
Gestionnaire régionale, Services d'architecture et de génie, TPSGC  
**PREETIPAL PAUL**

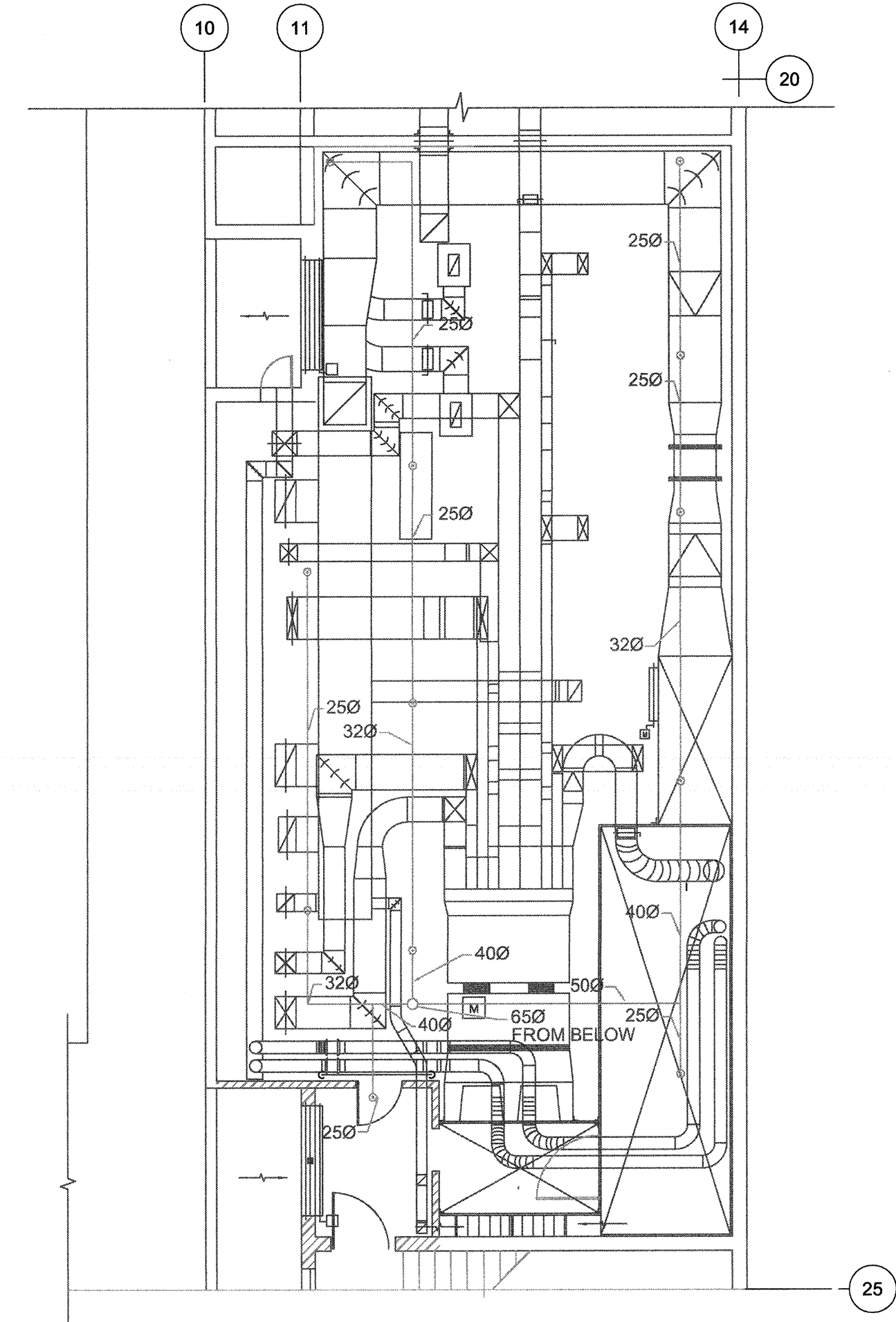
Drawing title/Titre du dessin

**LIVING UNITS A TO H  
AND SEGREGATION UNITS J&K  
SPRINKLER SYSTEM**

Project No./No. du projet	Sheet/Feuille	Revision no./ Lo Révision no.
<b>R.077723.001</b>	<b>M3-08</b>	<b>1</b>

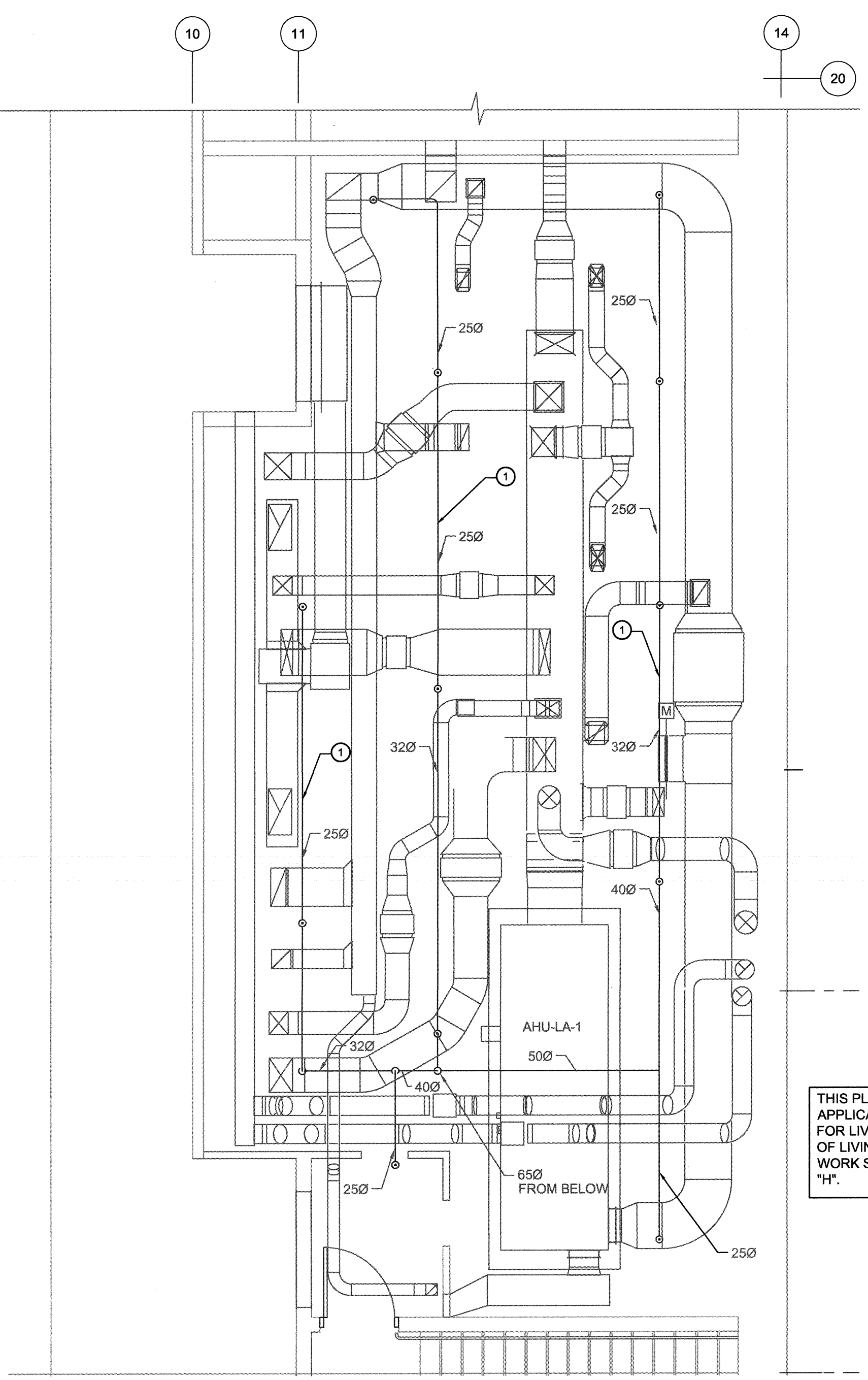


THIS PLAN IS FOR LIVING UNIT "A", AND IS APPLICABLE TO LIVING UNITS C, E & G. PLAN FOR LIVING UNITS B, D, F & H IS MIRROR IMAGE OF LIVING UNIT "A". SPRINKLER SYSTEM WORK SHALL BE FOR ALL LIVING UNITS "A" TO "H".



1 LIVING UNITS A TO H SPRINKLER AND DUCT WORK PLAN - EXISTING  
1:75

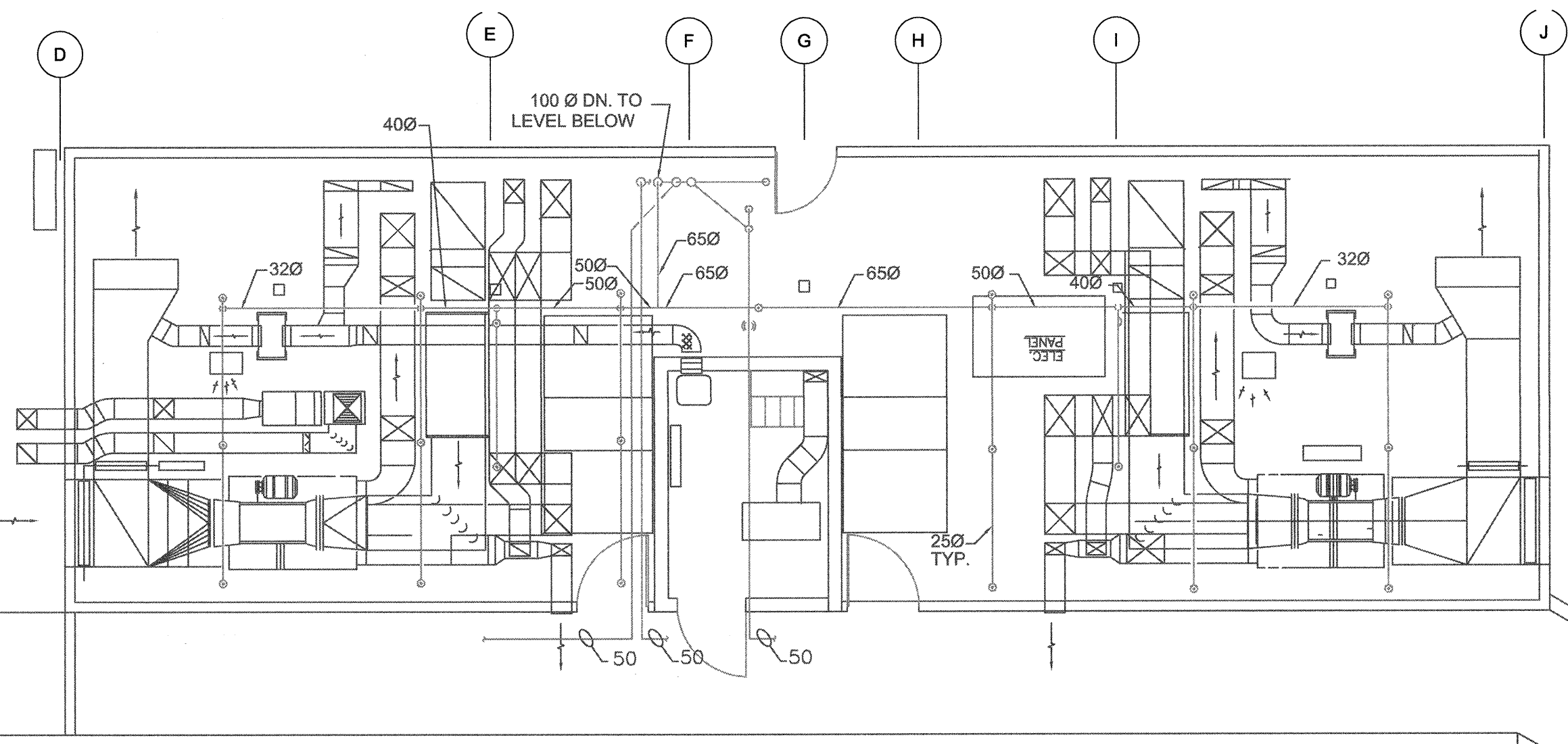
THIS PLAN IS FOR LIVING UNIT "A", AND IS APPLICABLE TO LIVING UNITS C, E & G. PLAN FOR LIVING UNITS B, D, F & H IS MIRROR IMAGE OF LIVING UNIT "A". SPRINKLER SYSTEM WORK SHALL BE FOR ALL LIVING UNITS "A" TO "H".



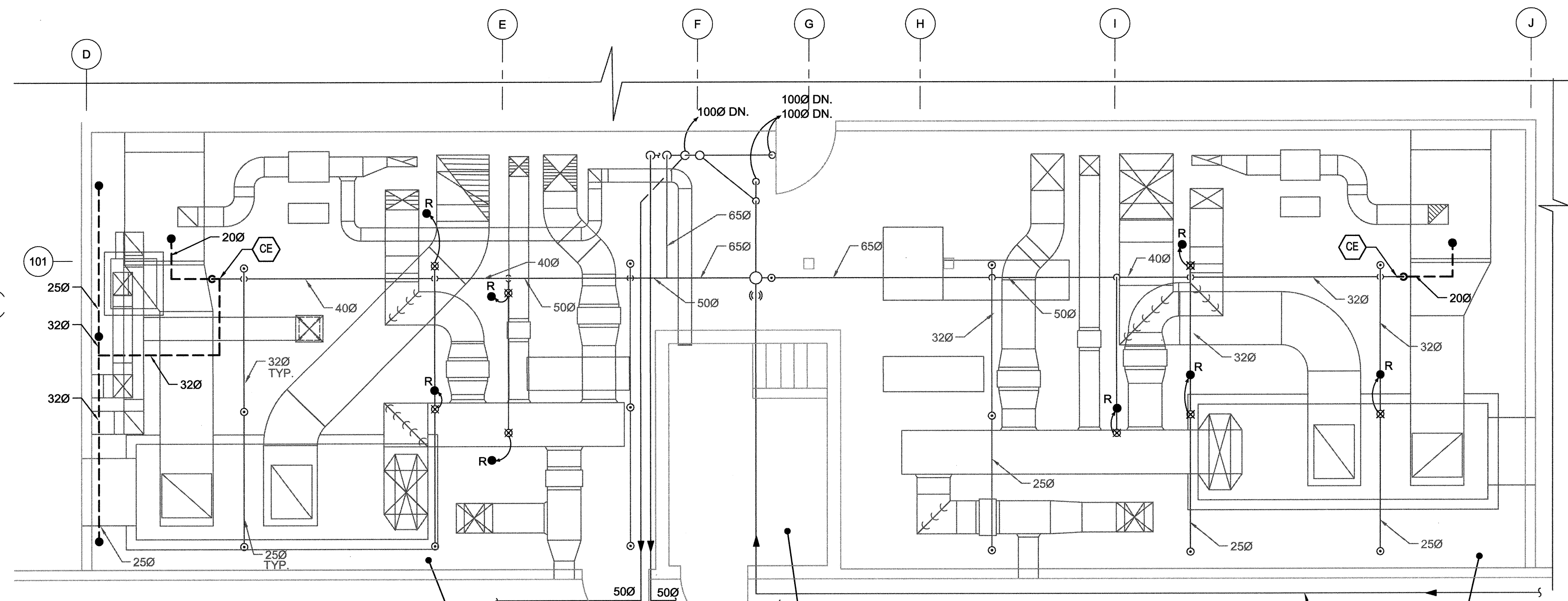
2 LIVING UNITS A TO H SPRINKLER AND DUCT WORK PLAN - NEW  
1:50

**KEYNOTES:**

- 1 ALLOW FOR REMOVAL & REINSTALLATION OF SPRINKLERS SYSTEM PIPING AND SPRINKLER HEADS TO FACILITATE REMOVAL OF EXISTING DUCT WORK & INSTALLATION OF NEW DUCTING SYSTEM. MODIFY EXISTING SPRINKLER SYSTEM TO SUIT NEW DUCTING LAYOUT IN ACCORDANCE WITH NFPA-13 REQUIREMENTS. PROVIDE NEW HEADS. REFER TO SPECIFICATION IN DIVISION 21 FOR THIS WORK.



3 LIVING UNITS J&K SPRINKLER AND DUCT WORK PLAN - EXISTING  
1:75

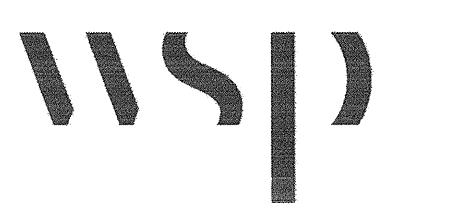


4 LIVING UNITS J & K - SPRINKLER AND DUCT WORK PLAN-NEW  
1:50

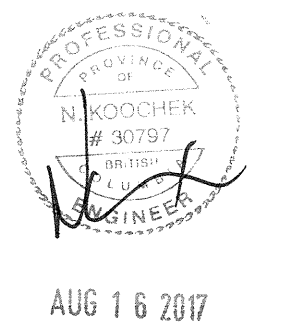
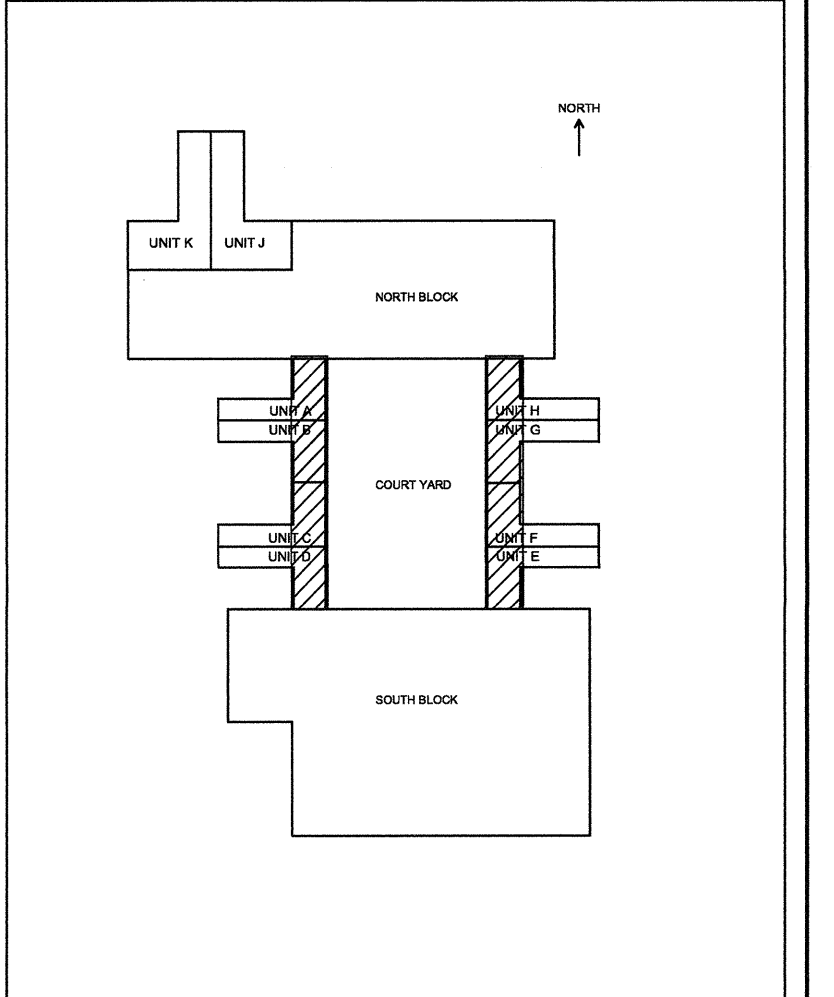




CONSULTANTS:



PROJECT #151-05897-02



1	ISSUED FOR TENDER	2017.08.16
Revision/	Description/Description	Date/Date

Client/client  
**CORRECTIONAL SERVICE OF CANADA**

Project title/Titre du projet  
**AGASSIZ, BC  
KENT MAXIMUM SECURITY INSTITUTION  
MECHANICAL SYSTEM UPGRADE FOR CELL BLOCKS A through H and J & K**

Consultant Signature Box Only

Designed by/Concept par  
**NK/FH**

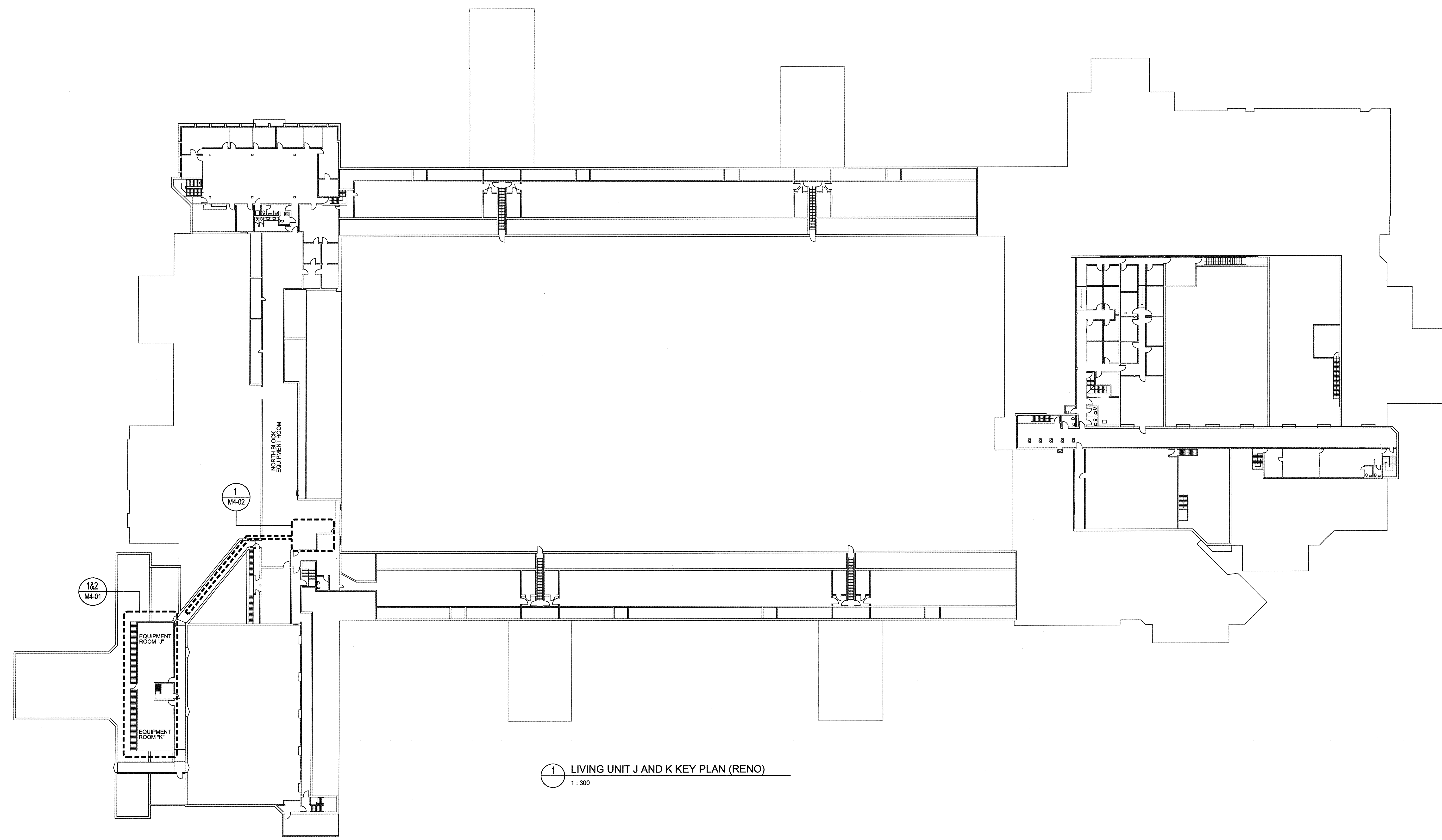
Drawn by/Dessiné par  
**MY/ML**

PWGSC Project Manager/Administrateur de Projets TPSGC  
**MARVIN NG**

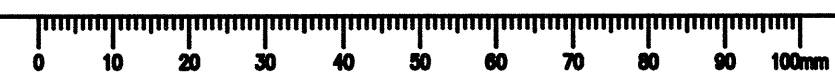
PWGSC, Regional Manager, Architectural and Engineering Services / Gestionnaire Régionale, Services d'architecture et de génie, TPSGC  
**PREETIPAL PAUL**

Drawing title/Titre du dessin  
**LIVING UNITS J & K  
KEY PLAN  
MECHANICAL EQUIPMENT ROOM  
(RENO)**

Project No./No. du projet	Sheet/Feuille	Revision no./ Le Révision no.
<b>R.077723.001</b>	<b>M4-00</b>	<b>1</b>

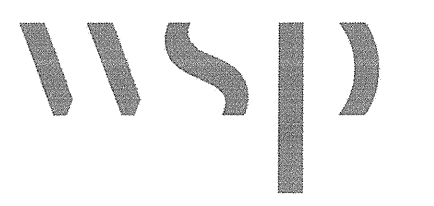


1 LIVING UNIT J AND K KEY PLAN (RENO)  
1:300

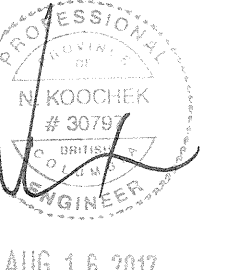
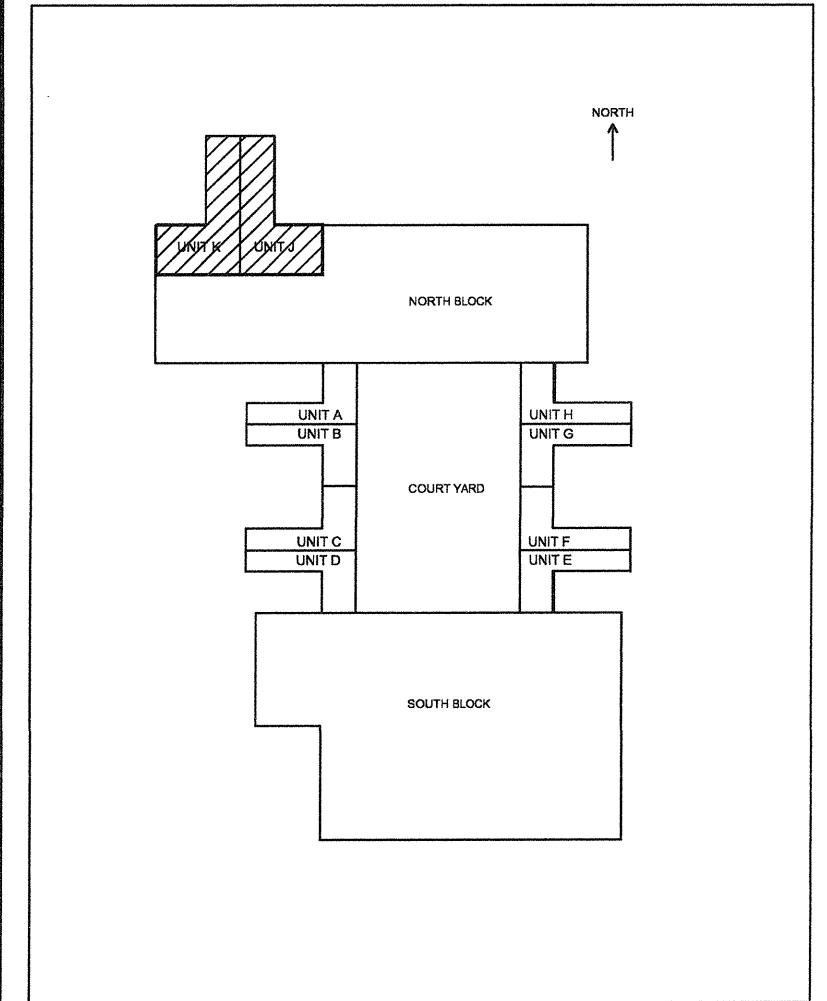




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PROJECT #151-05897-02



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Revision/	Description/Description	Date/Date

**CORRECTIONAL SERVICE OF CANADA**

**AGASSIZ, BC KENT MAXIMUM SECURITY INSTITUTION**

**MECHANICAL SYSTEM UPGRADE FOR CELL BLOCKS A through H and J & K**

Consultant Signature Box Only

Designed by/Concept par: **NK/FH**

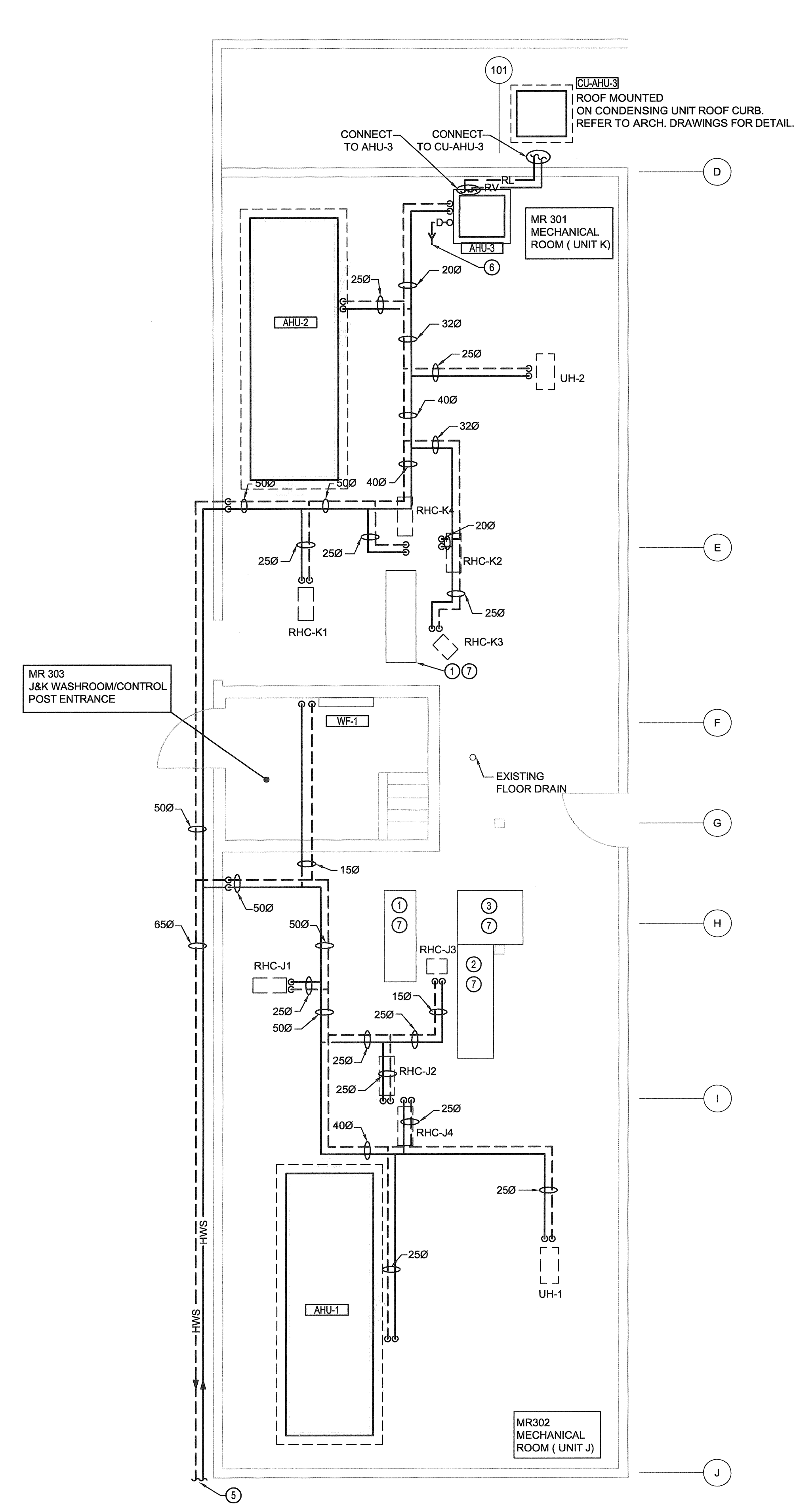
Drawn by/Dessiné par: **MY/ML**

PWGSC Project Manager/Administrateur de Projets: **TPS/GC MARVIN NG**

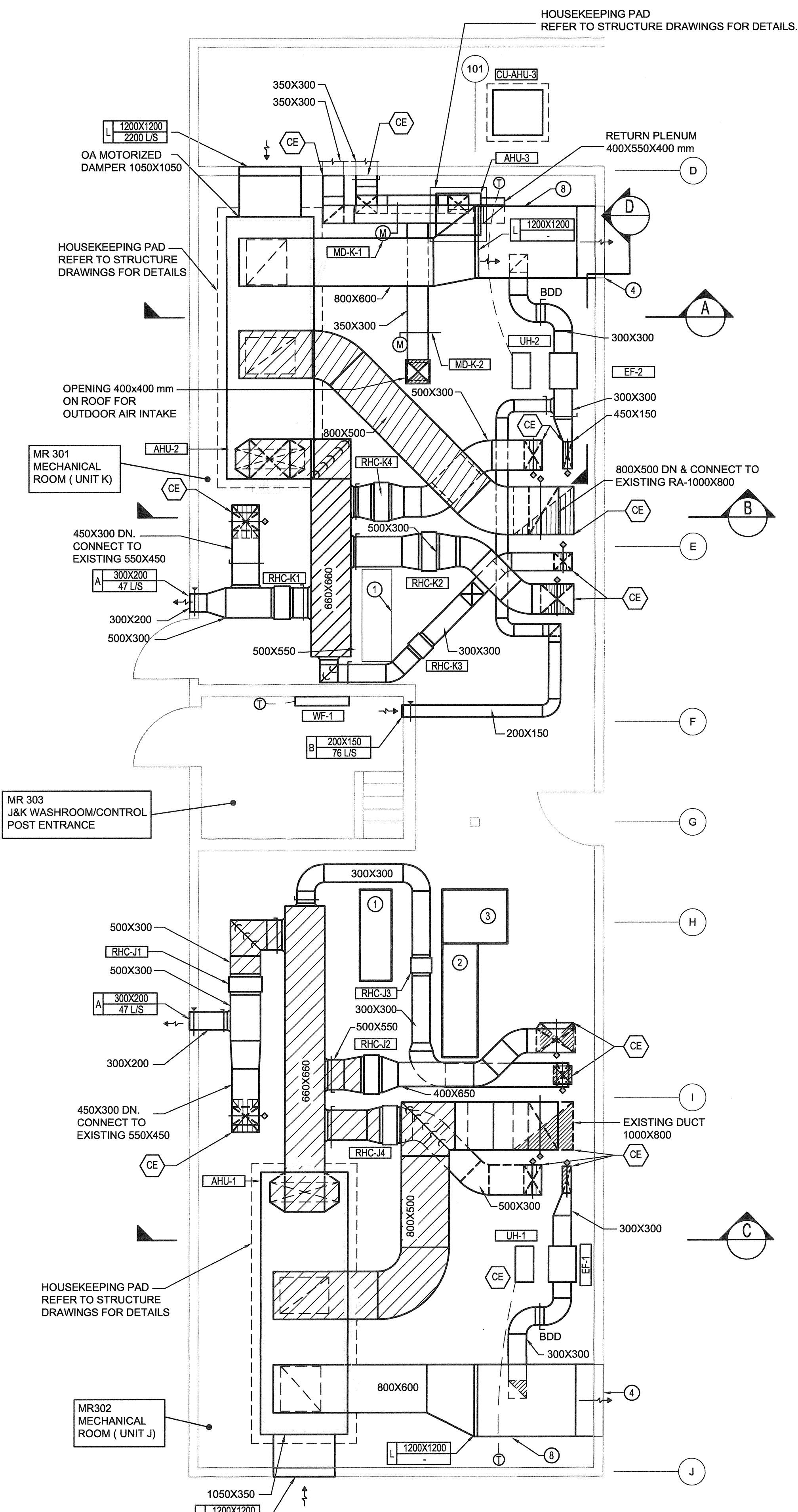
PWGSC Regional Manager, Architectural and Engineering Services / Gestionnaire régional, Services d'architecture et de génie, TPS/GC: **PREETIPAL PAUL**

**LIVING UNITS J & K MECHANICAL EQUIPMENT ROOM (RENO)**

Project No./No. du projet: <b>R.07723.001</b>	Sheet/Feuille: <b>M4-01</b>	Revision no./La Révision no.: <b>1</b>
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1 EQUIPMENT ROOM-HYDRONIC SYSTEM (RENO) SCALE: 1:50



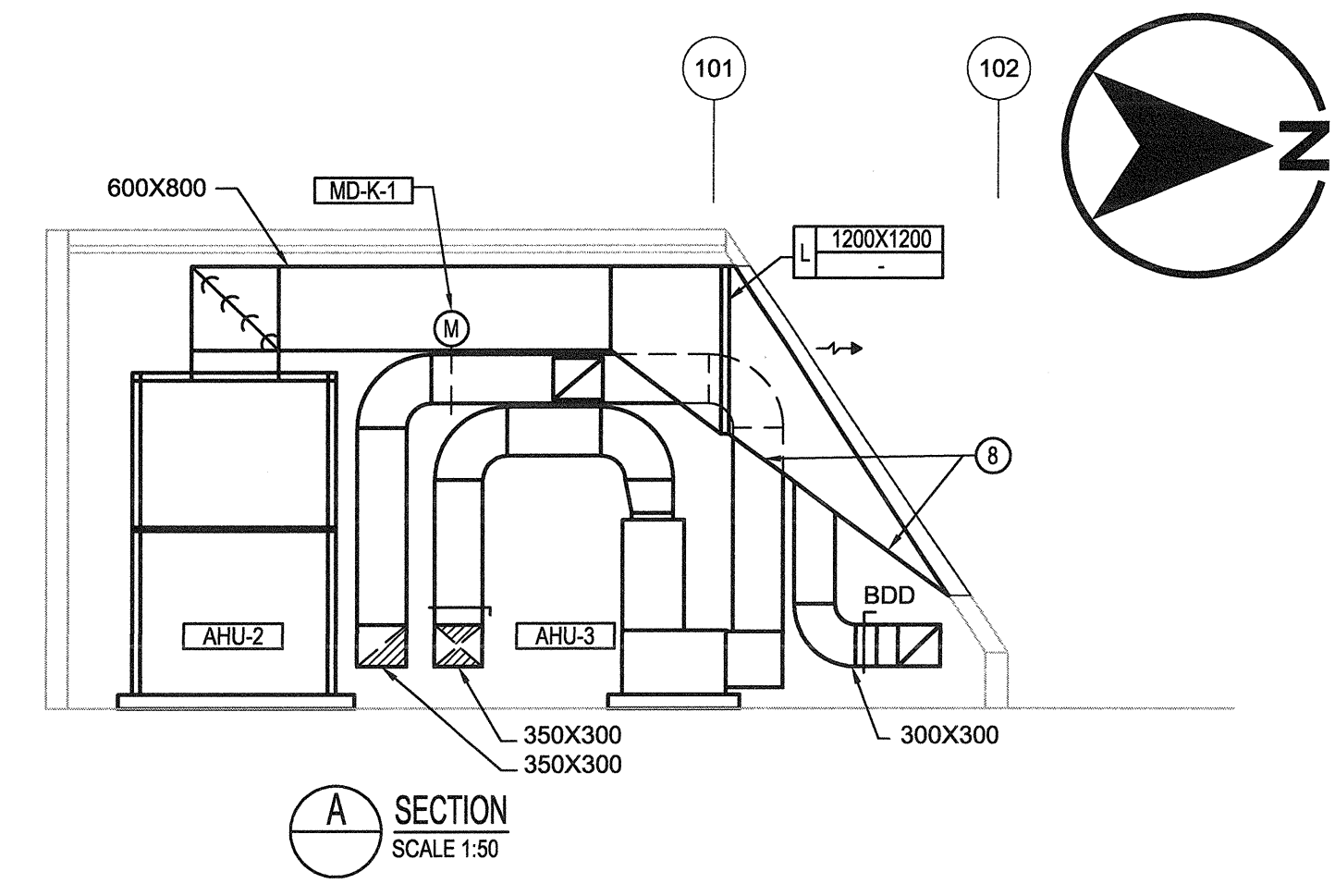
2 EQUIPMENT ROOM-HVAC SYSTEM (RENO) SCALE: 1:50

**GENERAL NOTES:**

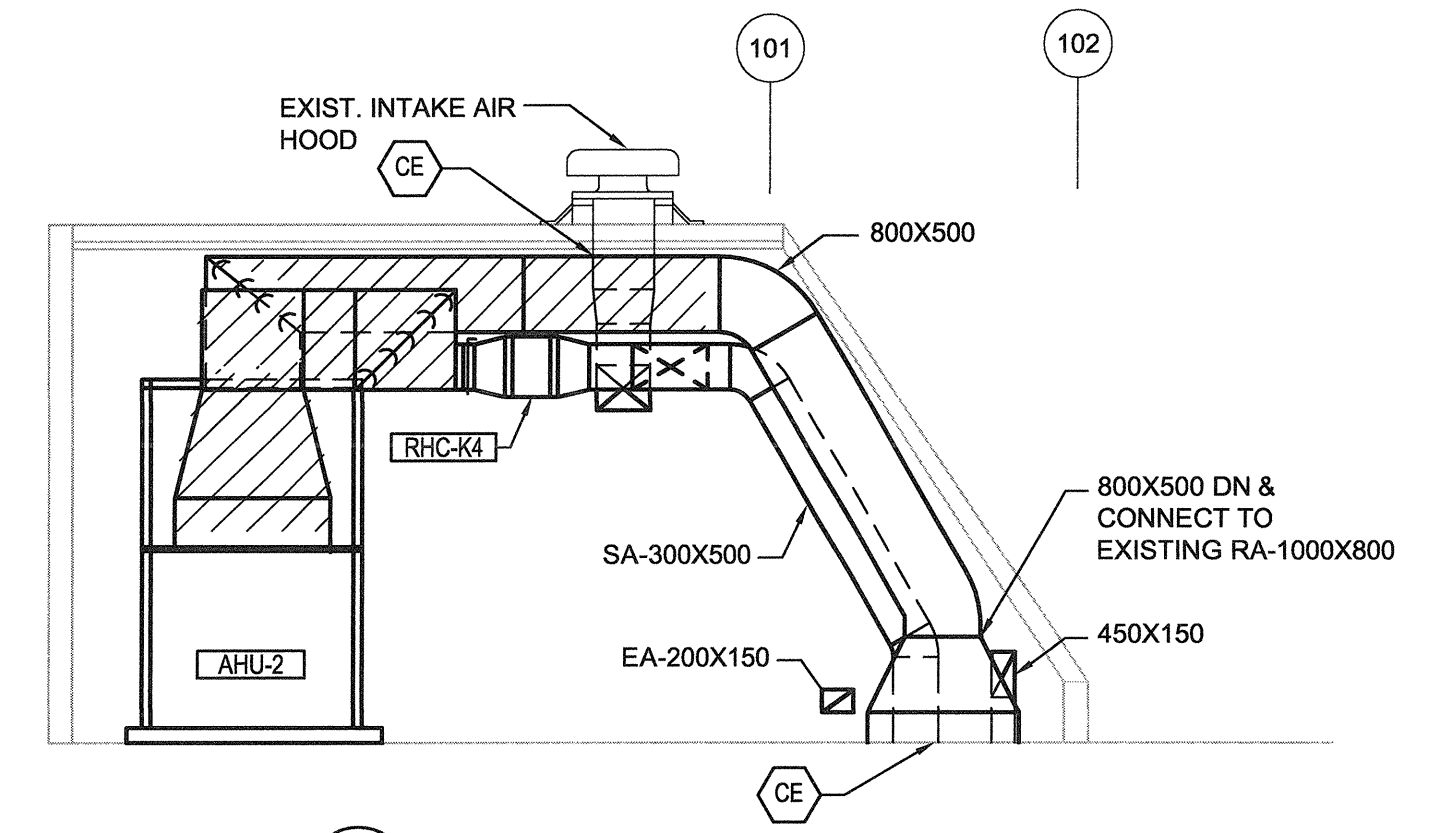
- 1- PROVIDE ACCESS DOOR IN NEW DUCTWORK FOR EXISTING FIRE DAMPERS.
- 2-THE PIPING ON THIS DRAWING ARE SHOWING THE GENERAL ROUTES AND CONNECTIONS. ALLOW FOR MODIFICATIONS IN RELATION TO THE DUCT WORK.

**KEYNOTES:**

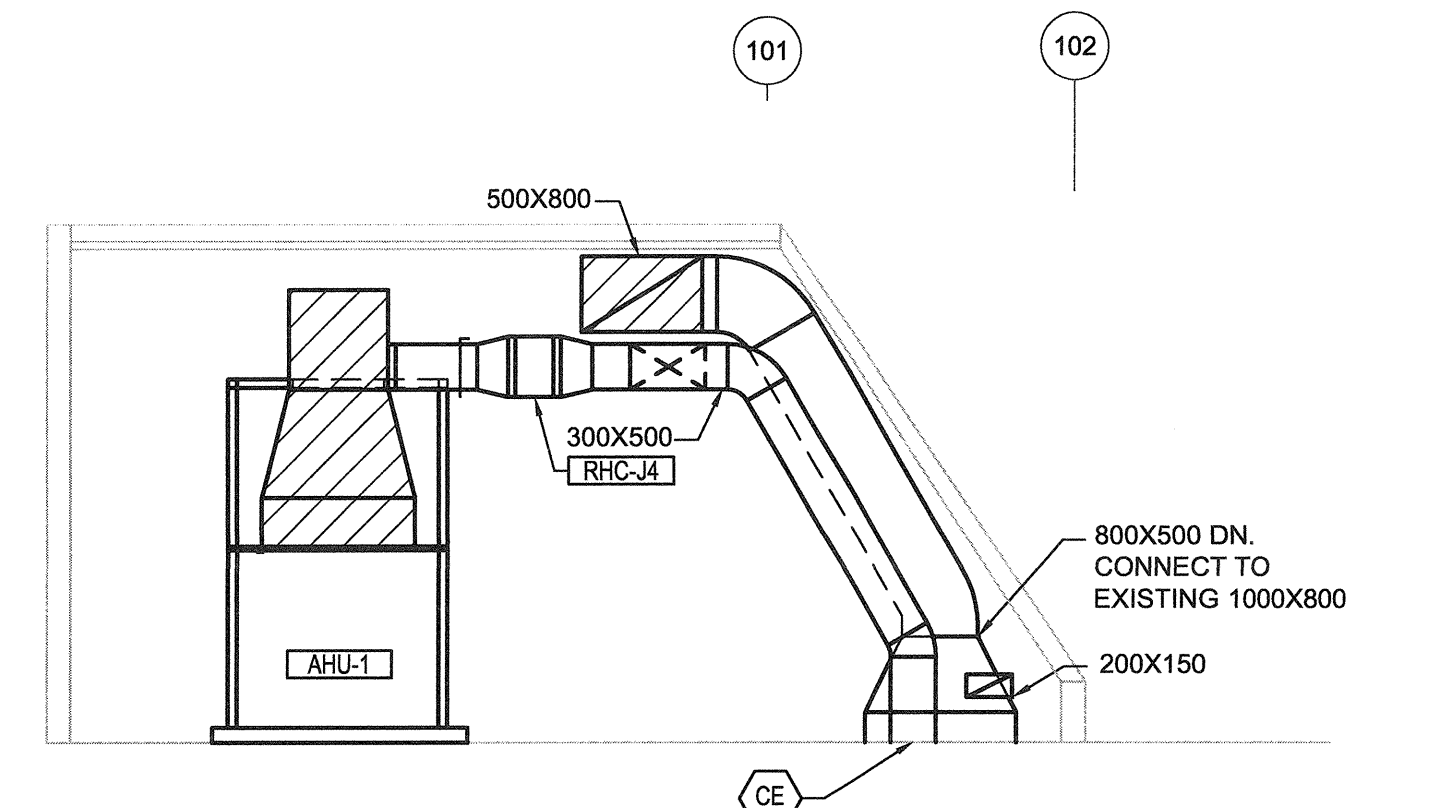
- 1 EXISTING MCC PANEL (TO REMAIN).
- 2 EXISTING COMMUNICATION PANEL (TO REMAIN).
- 3 EXISTING UPS PANEL (TO REMAIN).
- 4 OPENING FOR EQUIPMENT REMOVAL. REFER TO ARCH. DRAWINGS FOR DETAILS.
- 5 SEE PLAN M4-02 FOR PIPING CONTINUATION. FOR VALVES ARRANGEMENT SEE DWG. M7-01.
- 6 CONNECT THE CONDENSATE LINE TO EXISTING DRAIN.
- 7 AVOID INSTALLING NEW WATER PIPING ABOVE EXISTING COMMUNICATION PANEL, UPS AND MCC.
- 8 COVER THE INTERIOR OF DUCT BY BITUMINOUS RUST RESISTANT PAINT. APPLY PER MANUFACTURER REQUIREMENTS.



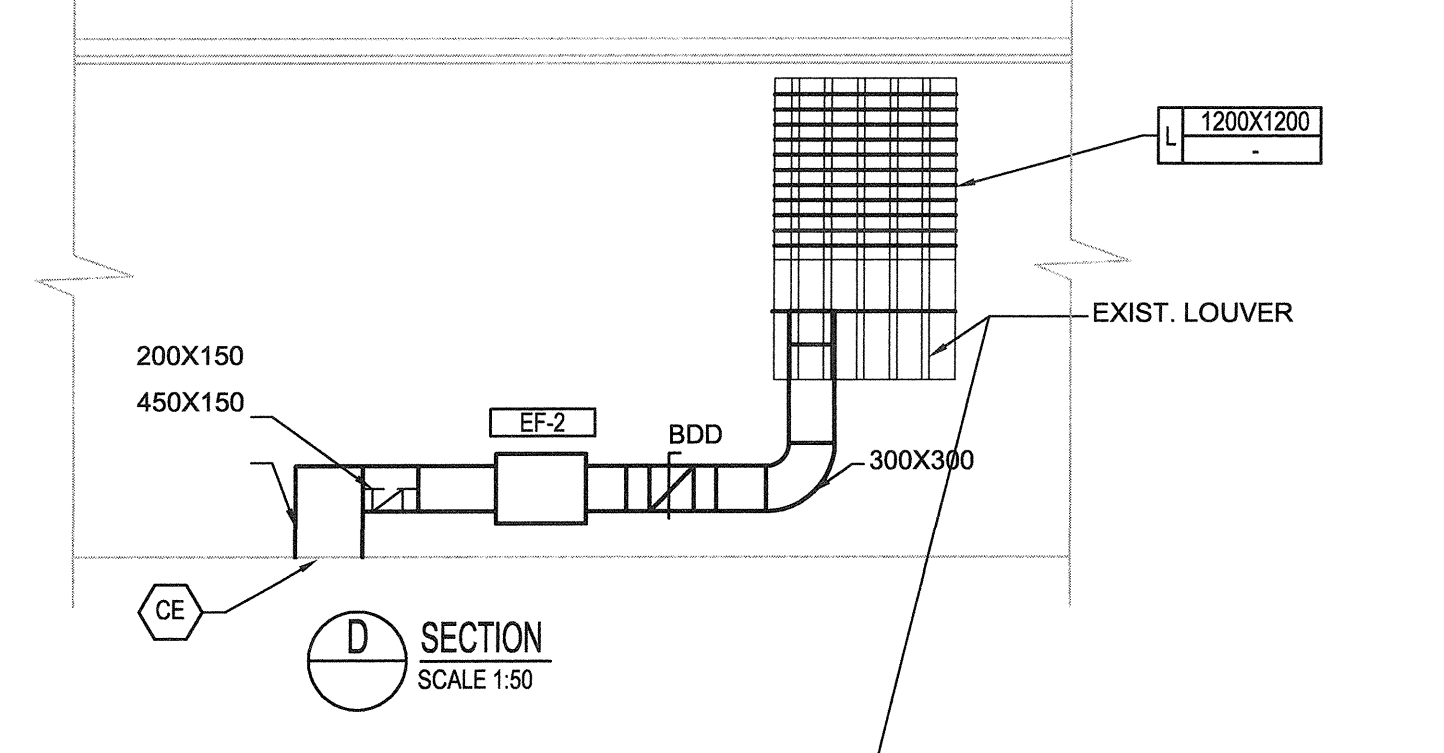
A SECTION SCALE 1:50



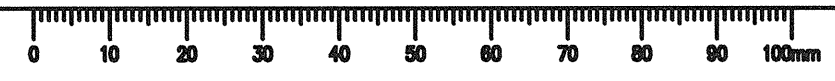
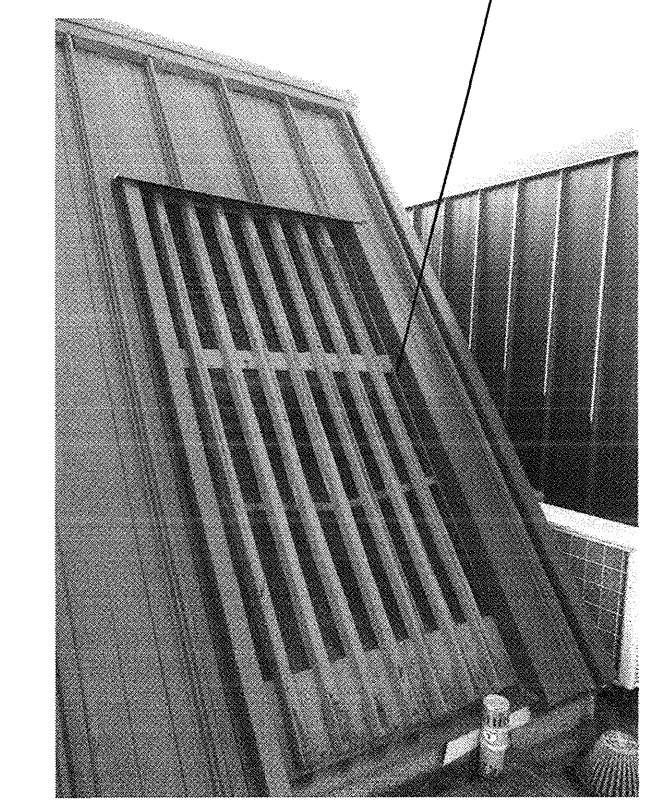
B SECTION SCALE 1:50



C SECTION SCALE 1:50

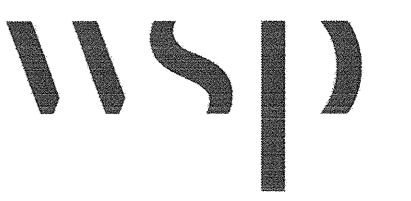


D SECTION SCALE 1:50

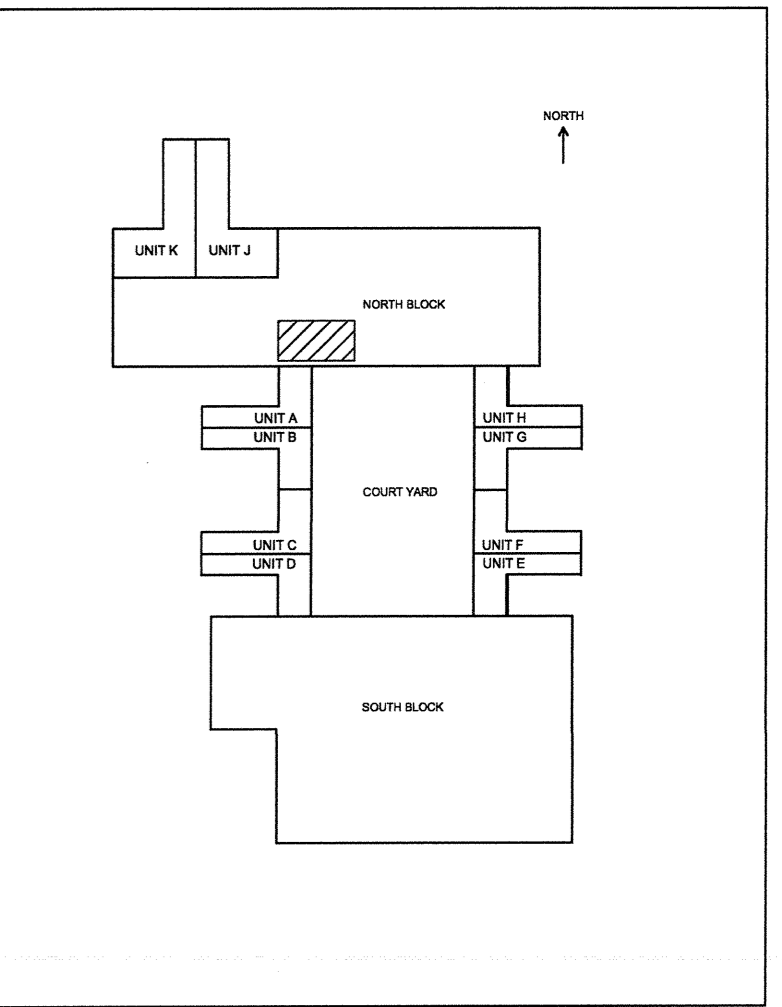




CONSULTANTS:



PROJECT #151-05897-02



1	ISSUED FOR TENDER	2017.08.16
Revision/	Description/Description	Date/Date
Revision		

Client/client

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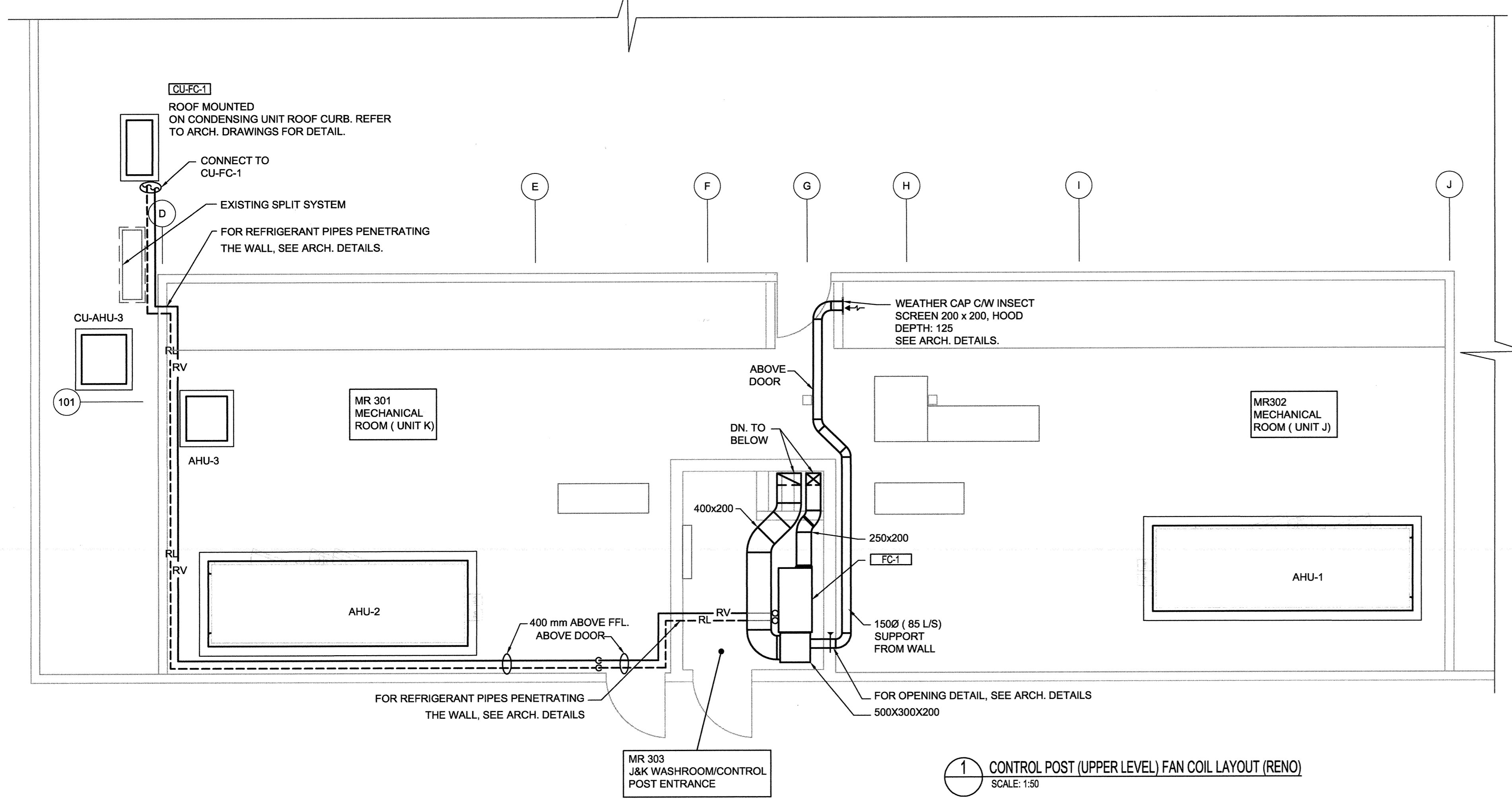
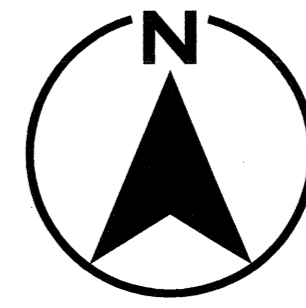
Project title/Titre du projet  
**AGASSIZ, BC KENT MAXIMUM SECURITY INSTITUTION**  
**MECHANICAL SYSTEM UPGRADE FOR CELL BLOCKS A through H and J & K**

Consultant Signature Box Only

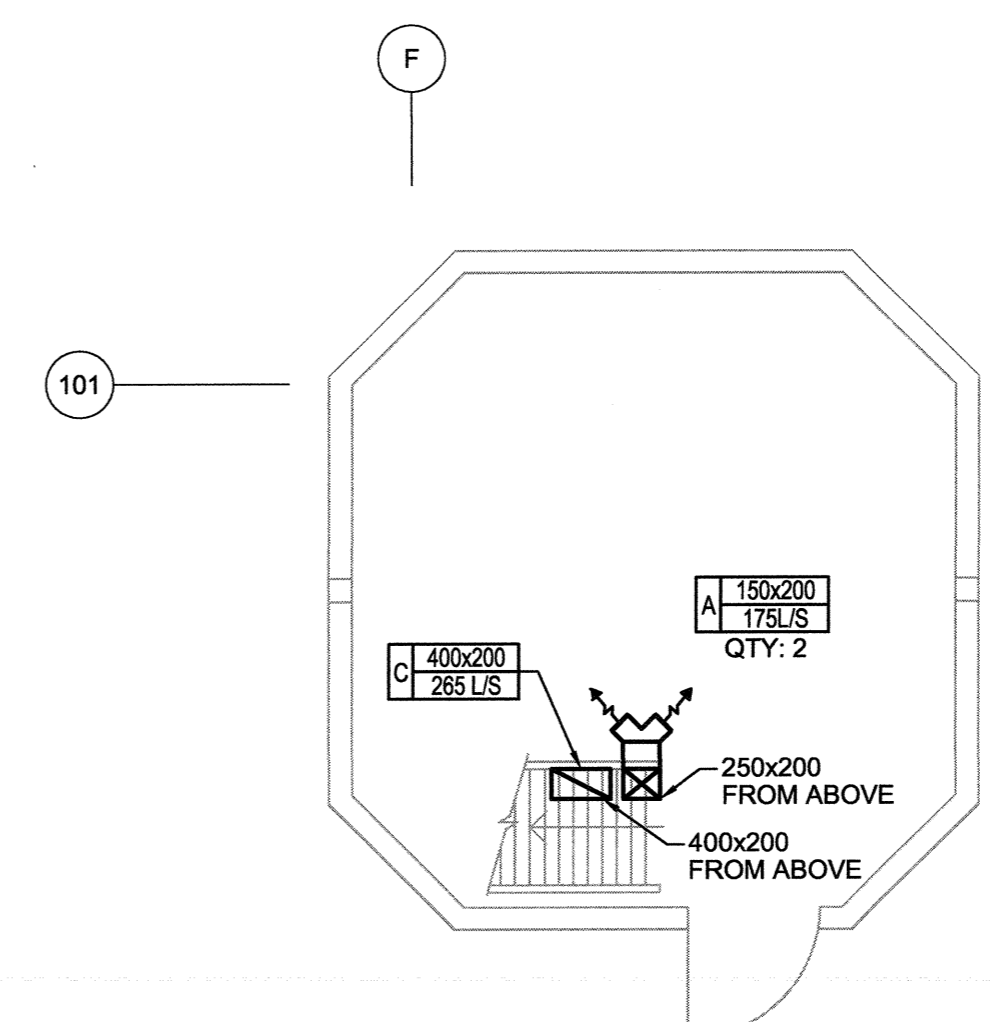
Designed by/Concept par  
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 PWGSC Project Manager/Administrateur de Projets TPSGC  
**MARVIN NG**  
 PWGSC Regional Manager, Architectural and Engineering Services/  
 Gestionnaire régionale, Services d'architectural et de génie, TPSGC  
**PREETIPAL PAUL**

Drawing title/Titre du dessin  
**LIVING UNITS J & K HYDRONIC SYSTEM IN NORTH MECHANICAL ROOM (RENO)**

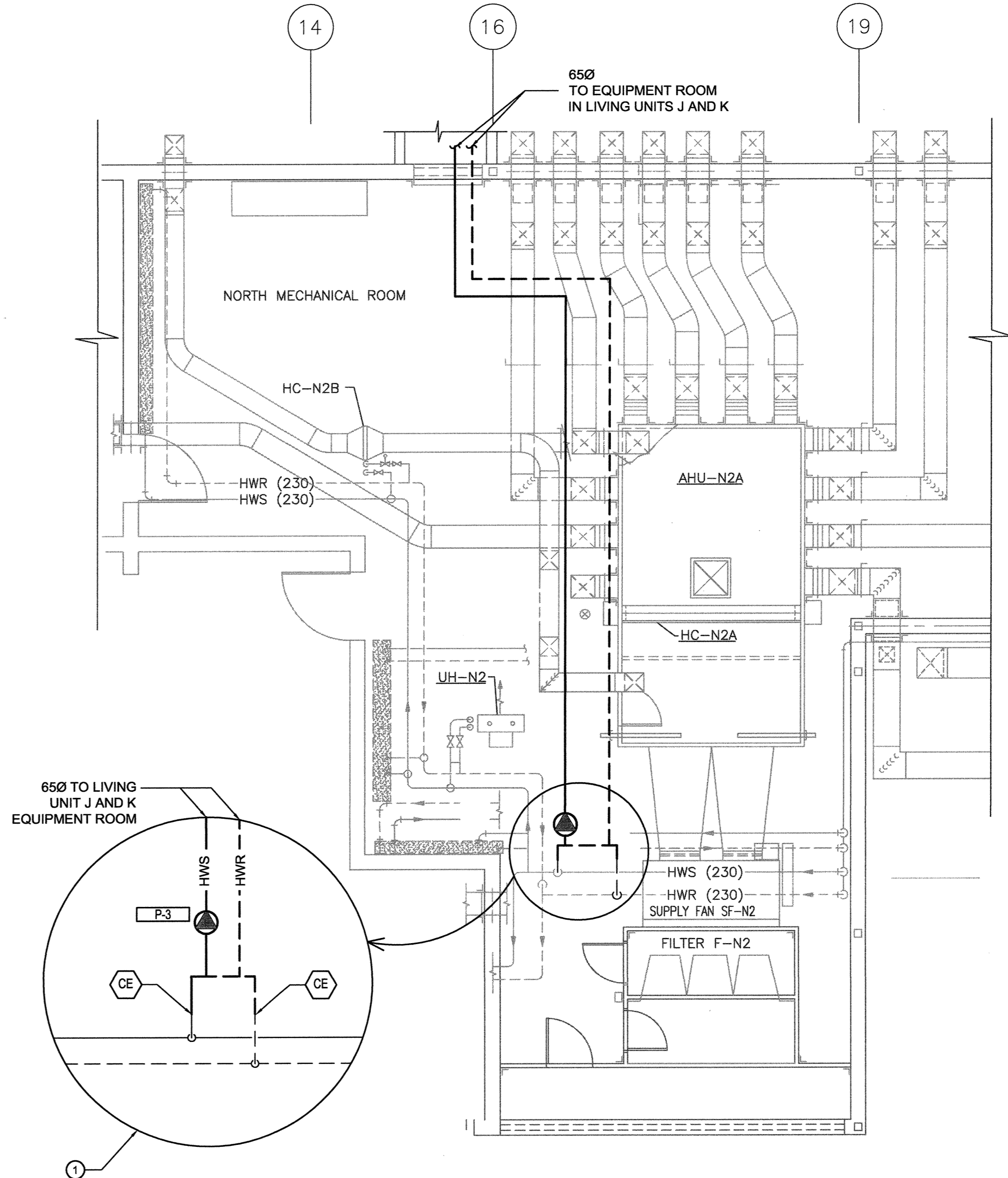
Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.077723.001	M4-02	1



1 CONTROL POST (UPPER LEVEL) FAN COIL LAYOUT (RENO) SCALE: 1:50



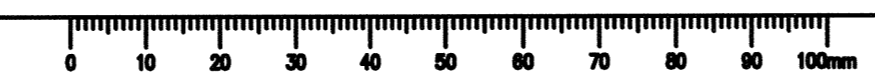
2 CONTROL POST 122 (GROUND FLOOR) - DUCTING PLAN (RENO) SCALE: 1:50



3 J&K PUMP AND HYDRONIC PIPING PLAN IN NORTH MECHANICAL ROOM (RENO) 1:50

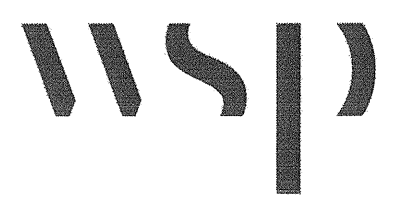
**GENERAL NOTES:**  
 1. ADJUST EXISTING SPRINKLER HEAD LOCATIONS TO SUIT NEW DUCTING LAY OUTS.  
 2. THE PIPING ON THIS DRAWING ARE SHOWING THE GENERAL ROUTES AND CONNECTIONS. ALLOW FOR MODIFICATIONS IN RELATION TO THE DUCT WORK.

**KEY NOTES**  
 1. FOR P-3 VALVE CONFIGURATION AND BRIDGE ARRANGEMENT REFER TO DWG. M7-01.

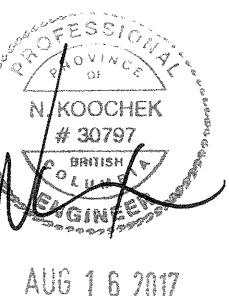
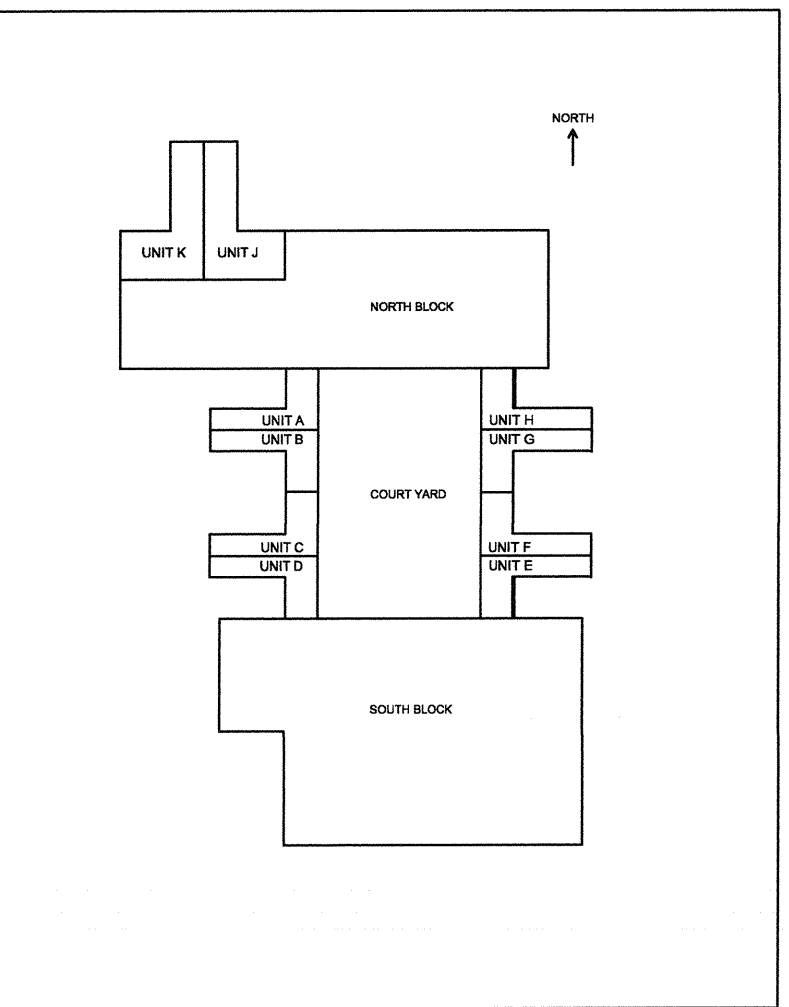




CONSULTANTS:



PROJECT #151-05897-02



1	ISSUED FOR TENDER	2017.08.16
Revision/Évaluation	Description/Description	Date/Date

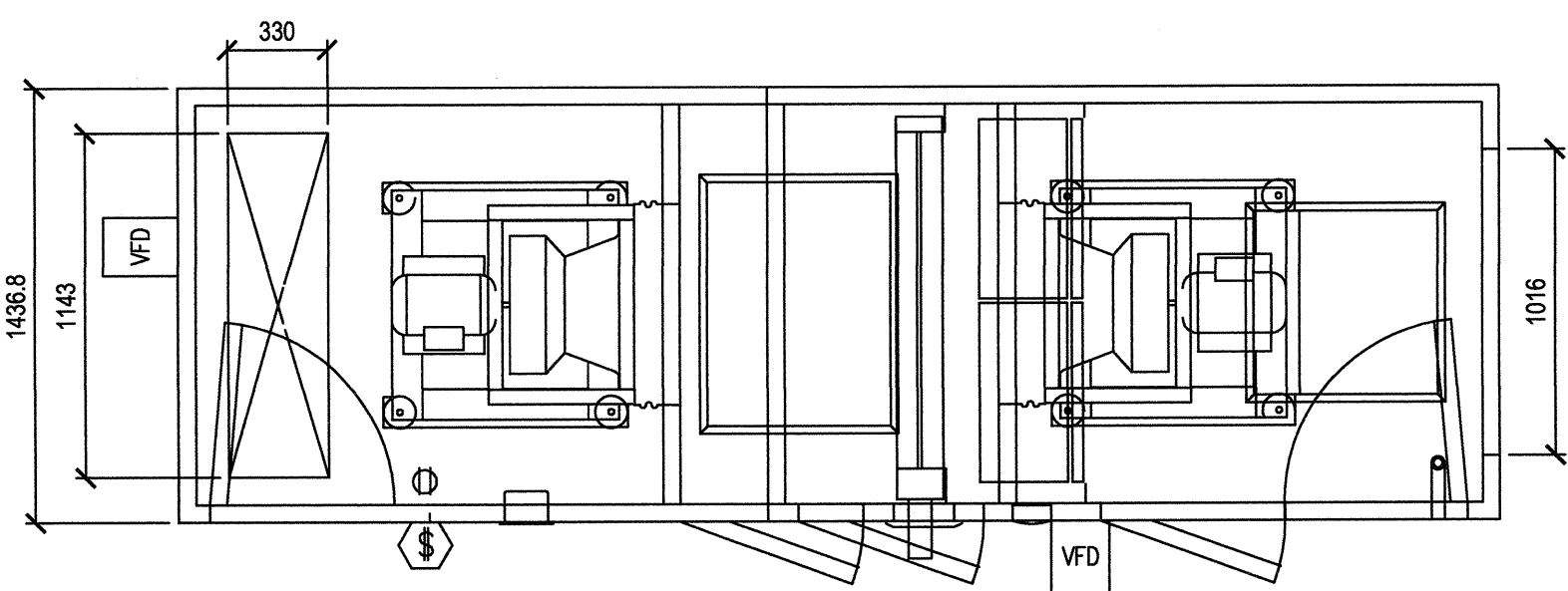
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**CORRECTIONAL SERVICE OF CANADA**

Project title/Titre du projet  
**AGASSIZ, BC  
KENT MAXIMUM SECURITY INSTITUTION  
MECHANICAL SYSTEM UPGRADE FOR CELL BLOCKS A through H and J & K**

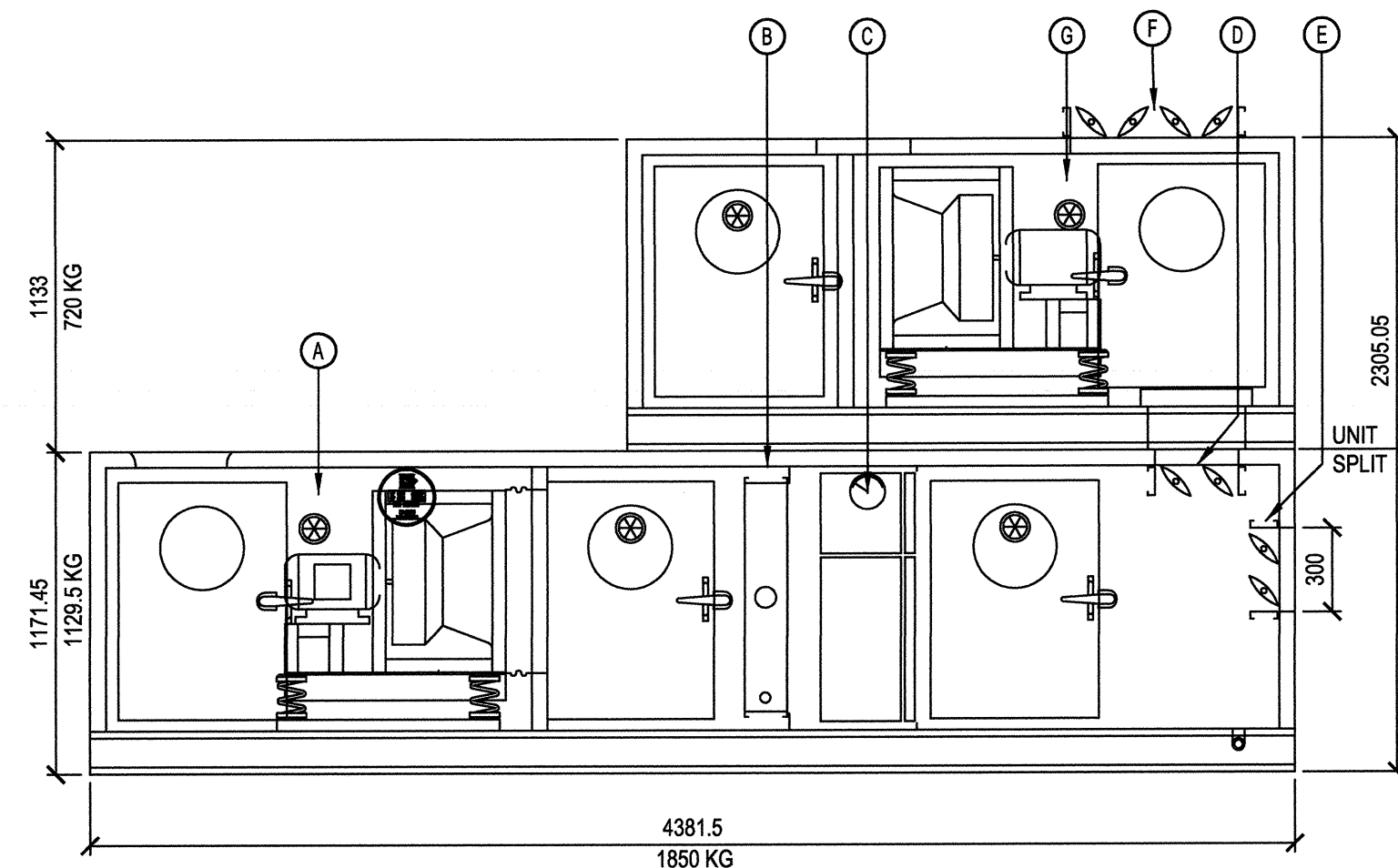
Consultant Signature Box Only  
Designed by/Concept par  
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Drawn by/Dessiné par  
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**MARVIN NG**  
PWSSC, Regional Manager, Architectural and Engineering Services/  
Gestionnaire régionale, Services d'architectural et de génie, TPSSC  
**PREETIPAL PAUL**

Drawing title/Titre du dessin  
**MECHANICAL DETAILS  
1 OF 2**

Project No./No. du projet	Sheet/Feuille	Revision no./ Lo. Révision no.
<b>R.077723.001</b>	<b>M5-01</b>	<b>1</b>

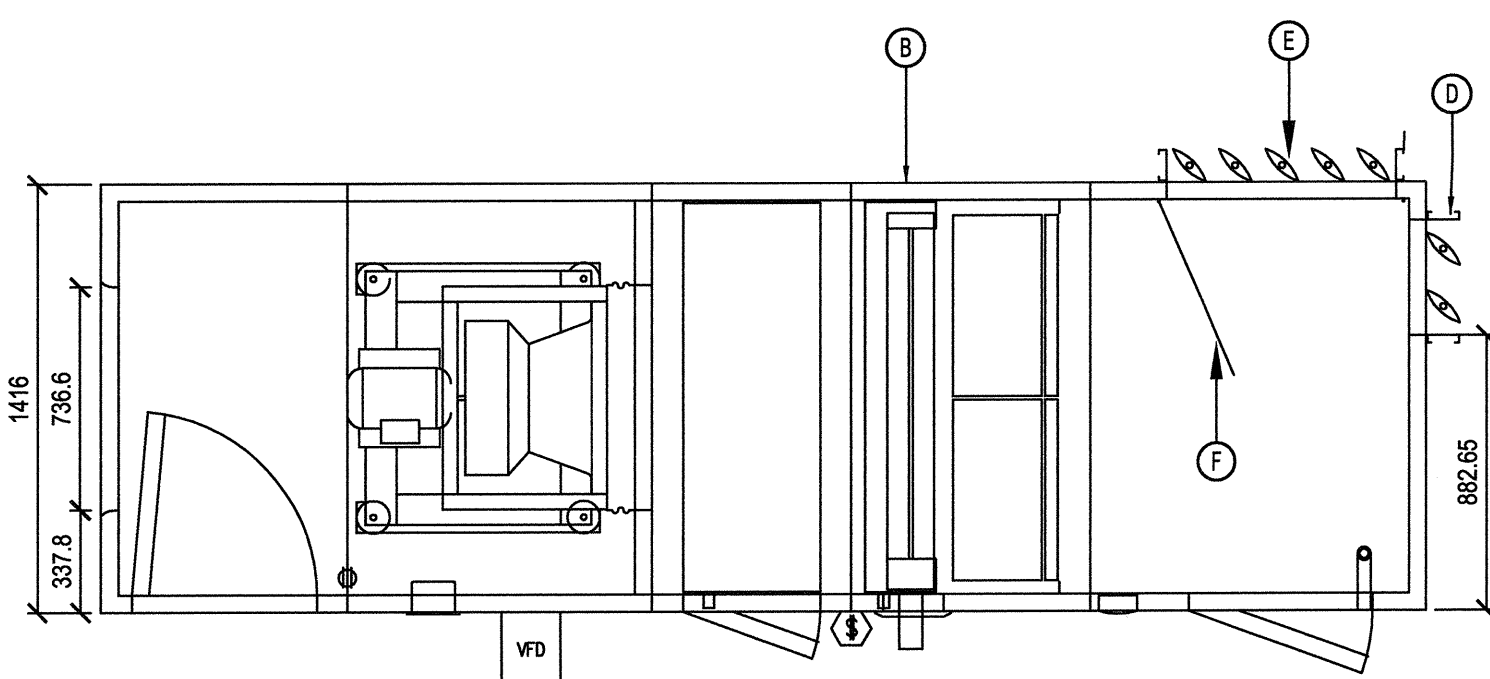


1 AIR HANDLING UNIT AHU-1 FOR LIVING UNIT J  
NTS

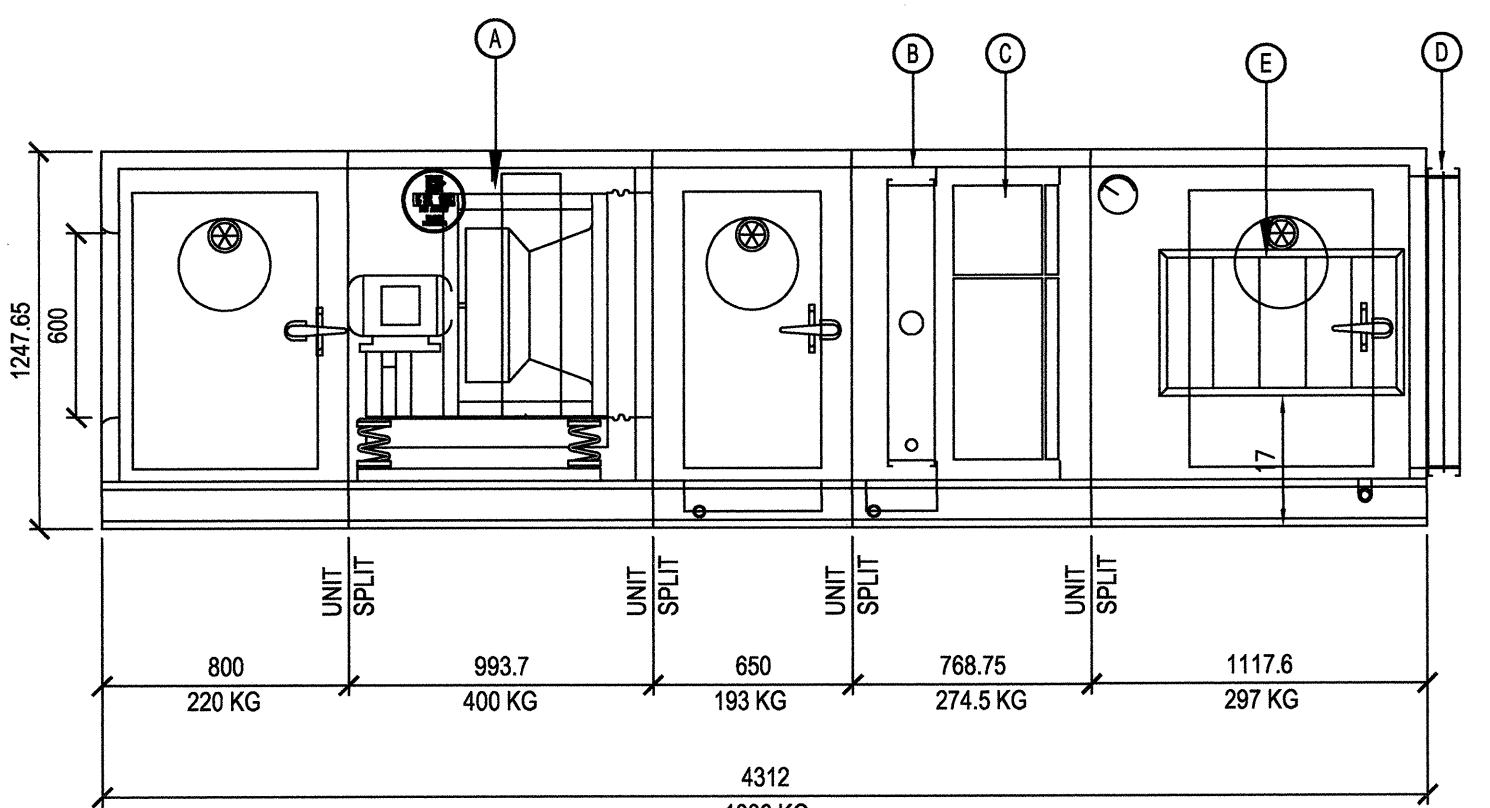


- A SUPPLY FAN
- B HEATING COIL
- C FILTER SECTION
- D R.A. DAMPER
- E O.A. DAMPER
- F E.A. DAMPER
- G RETURN FAN

AHU-2 FOR UNIT K IS SAME AS AHU-1 EXCEPT FOR ACCESS SIDE WHICH IS APPOSITE (MIRROR).



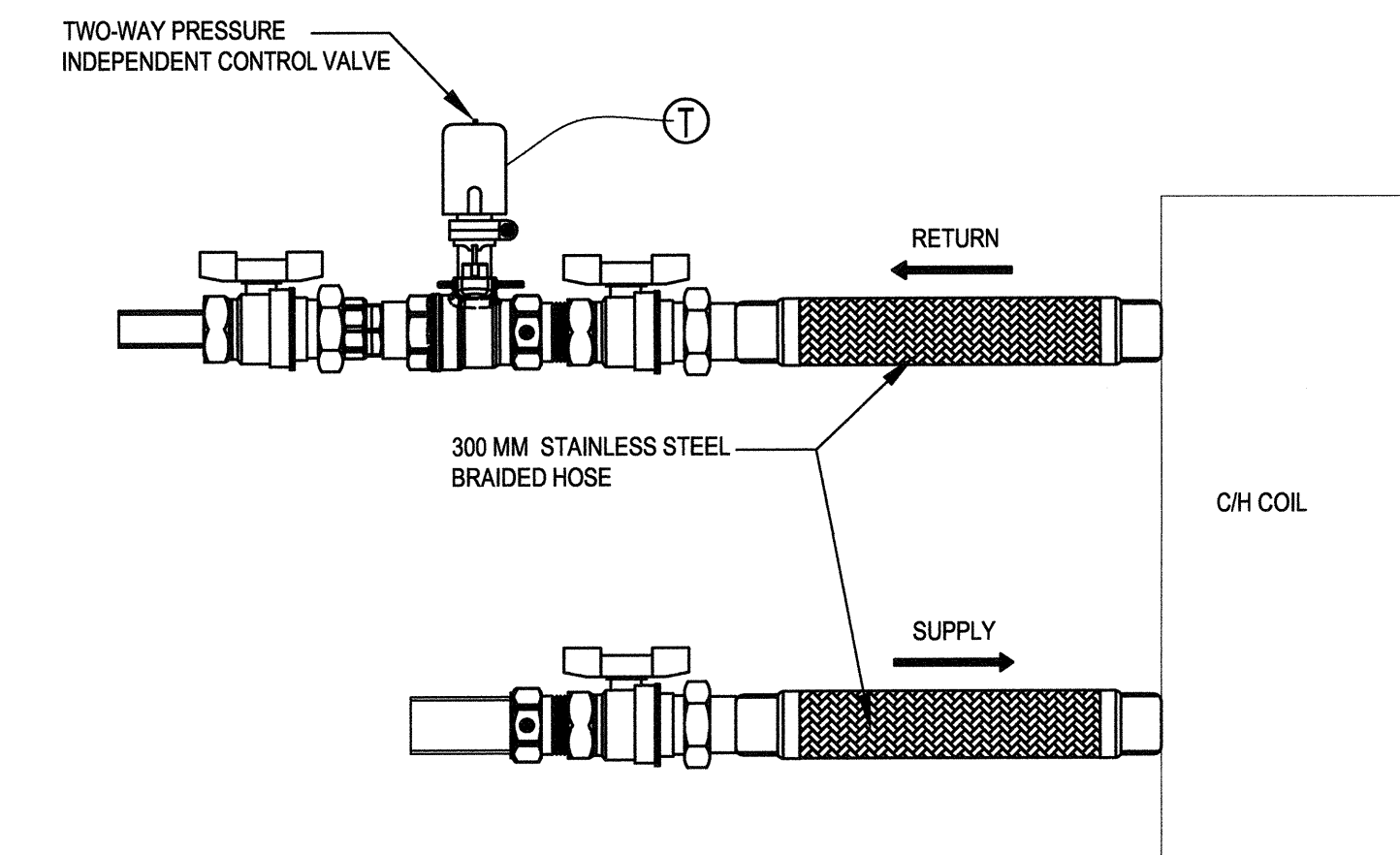
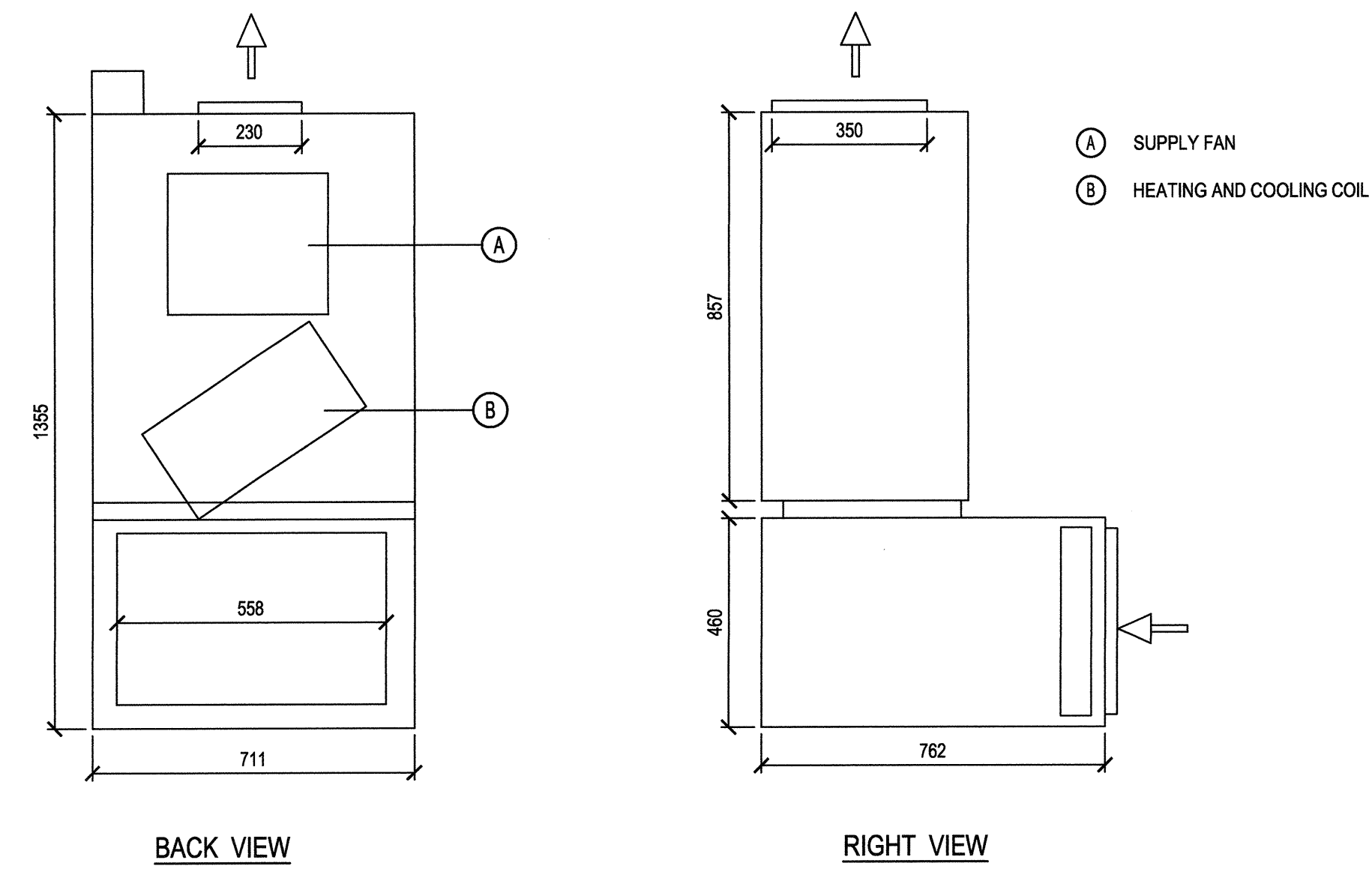
3 AIR HANDLING UNIT AHU-3 IN UNIT K EQUIPMENT ROOM  
NTS



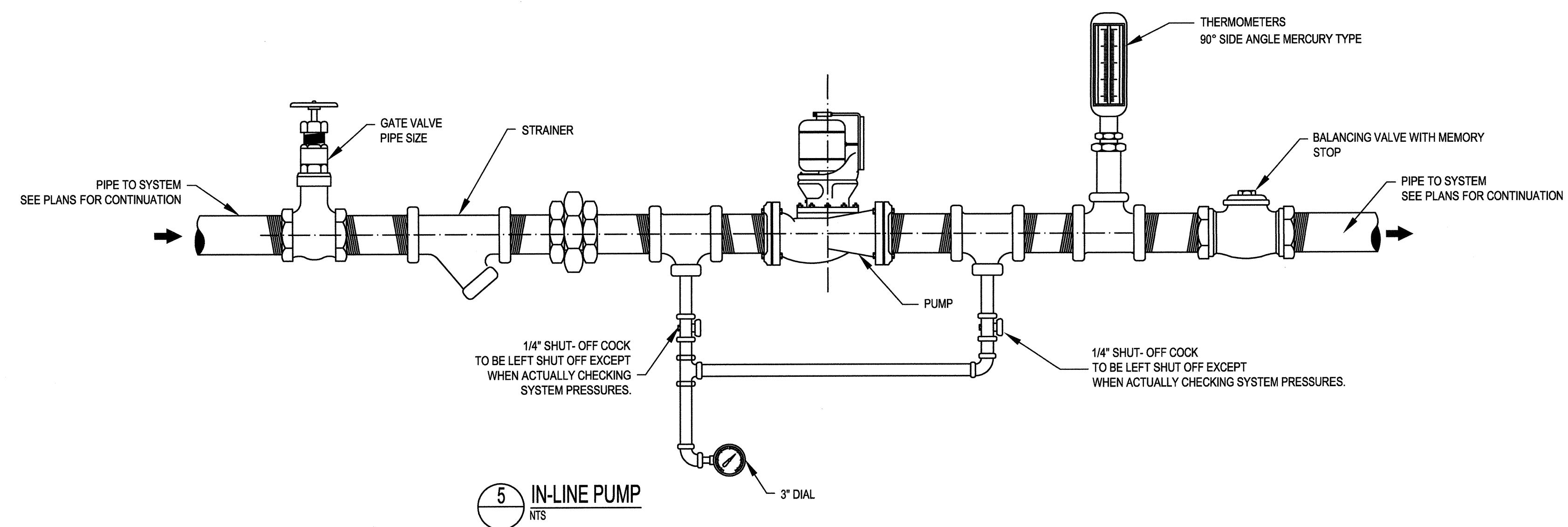
2 AIR HANDLING UNIT FOR LIVING UNIT A  
NTS

- A SUPPLY FAN
- B HEATING COIL
- C FILTER SECTION
- D O.A. DAMPER
- E R.A. DAMPER
- F BAFFLE SHEET

AHU FOR UNIT A, C, E, G ARE SAME AS AHU-A-1. AHU FOR UNIT B, D, F, H ARE SIMILAR TO AHU-A-1 EXCEPT FOR ACCESS SIDE WHICH IS APPOSITE (MIRROR).



4 COIL CONNECTION KIT FOR AHU UNIT  
NTS



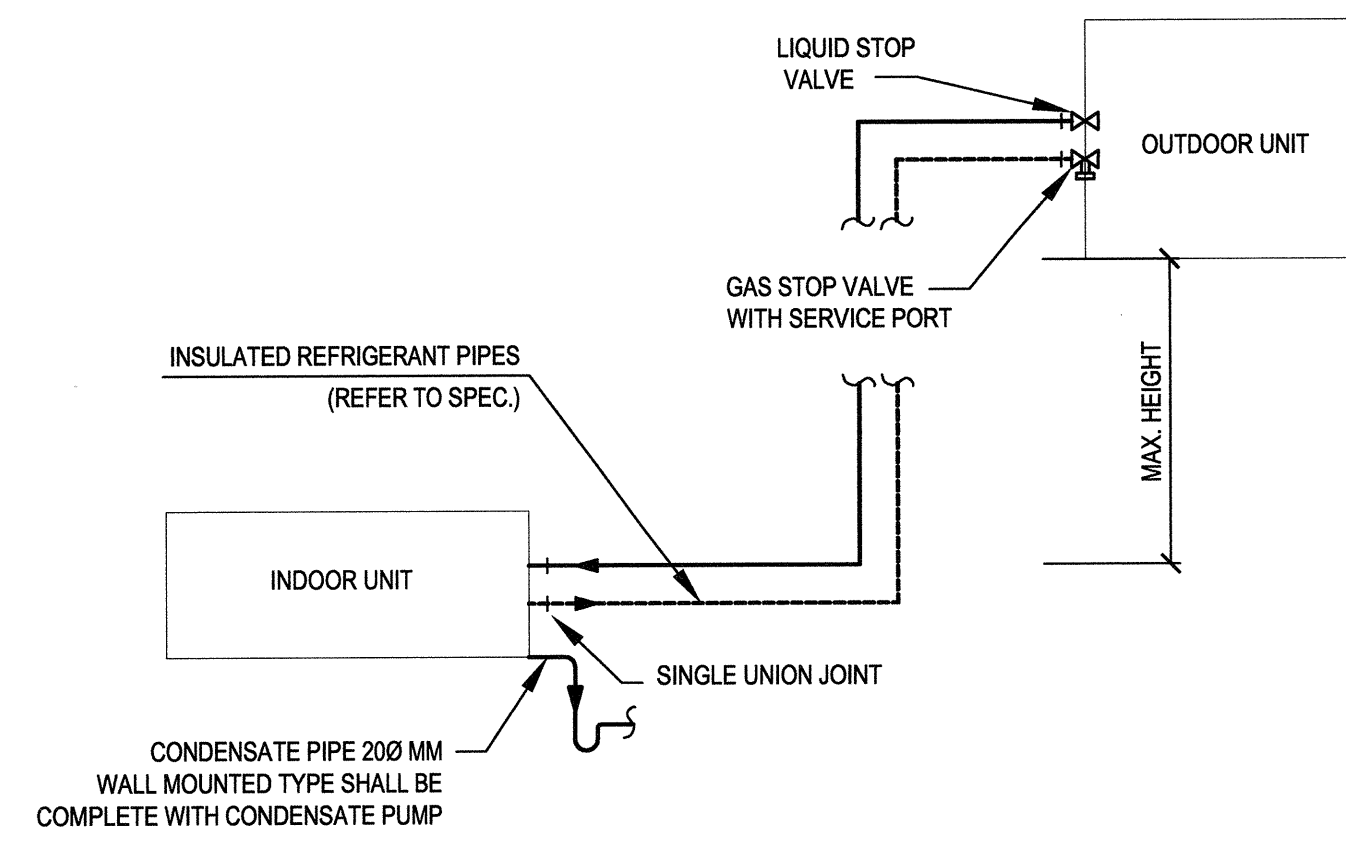
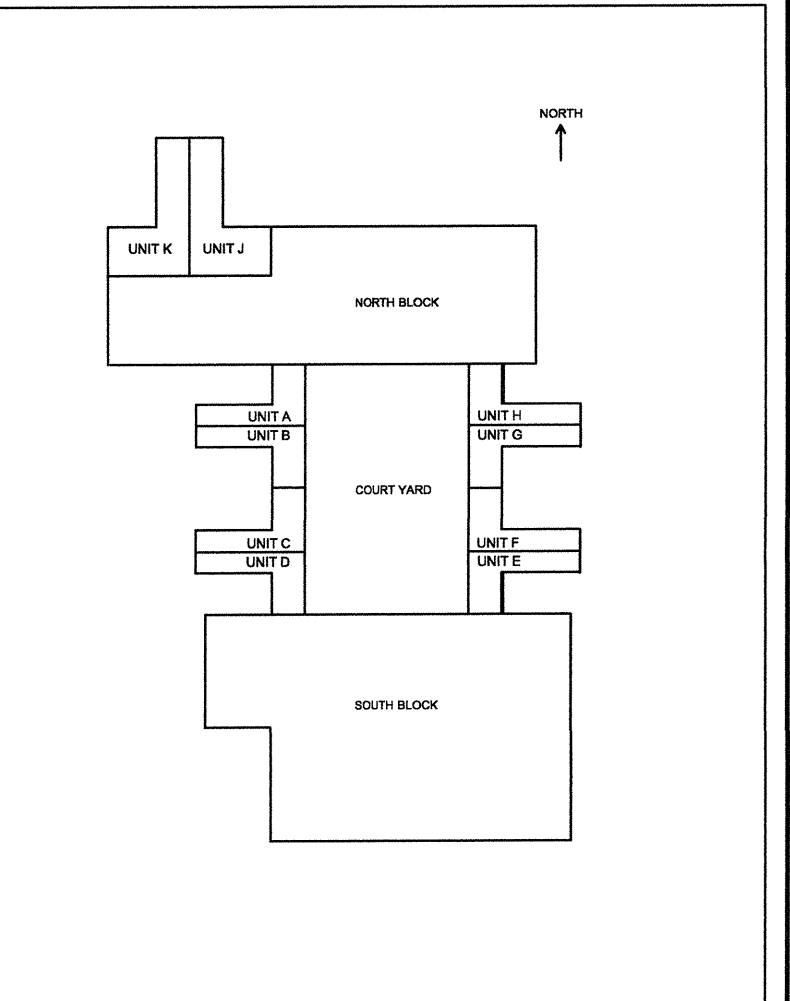
5 IN-LINE PUMP  
NTS



CONSULTANTS:

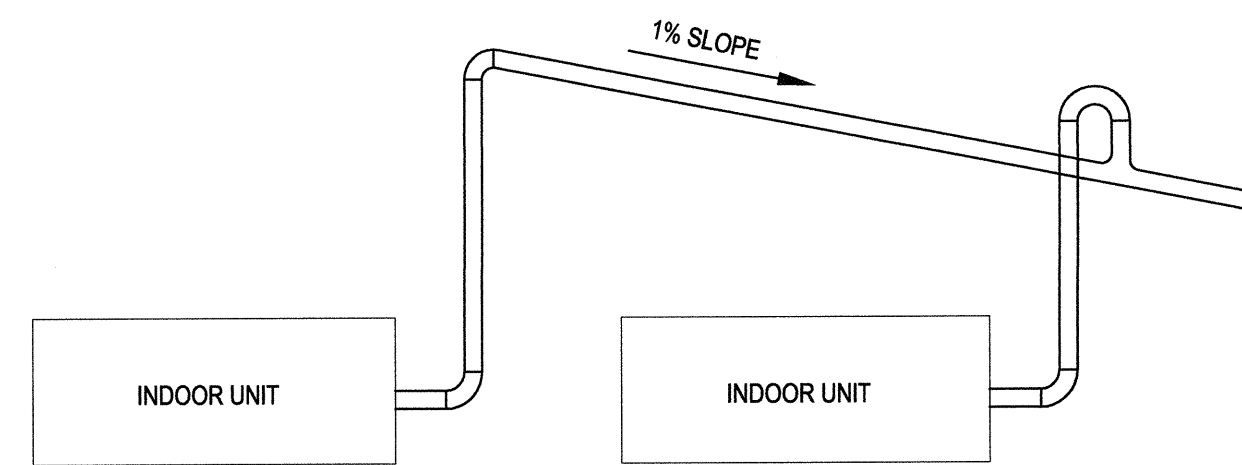


PROJECT #151-05897-02



	INDOOR UNIT (12 MBH)	INDOOR UNIT (18 MBH)
PIPING CONNECTIONS	LIQUID MIN. 70 mm (2 7/8")	MIN. 70 mm (2 7/8")
	GAS MIN. 150 mm (6")	MIN. 150 mm (6")
	DRAIN 200 mm (8")	200 mm (8")
MAX. PIPING LENGTH	65.6 FT	98.4 FT
MAX. PIPING HEIGHT	49.2 FT	65.6 FT

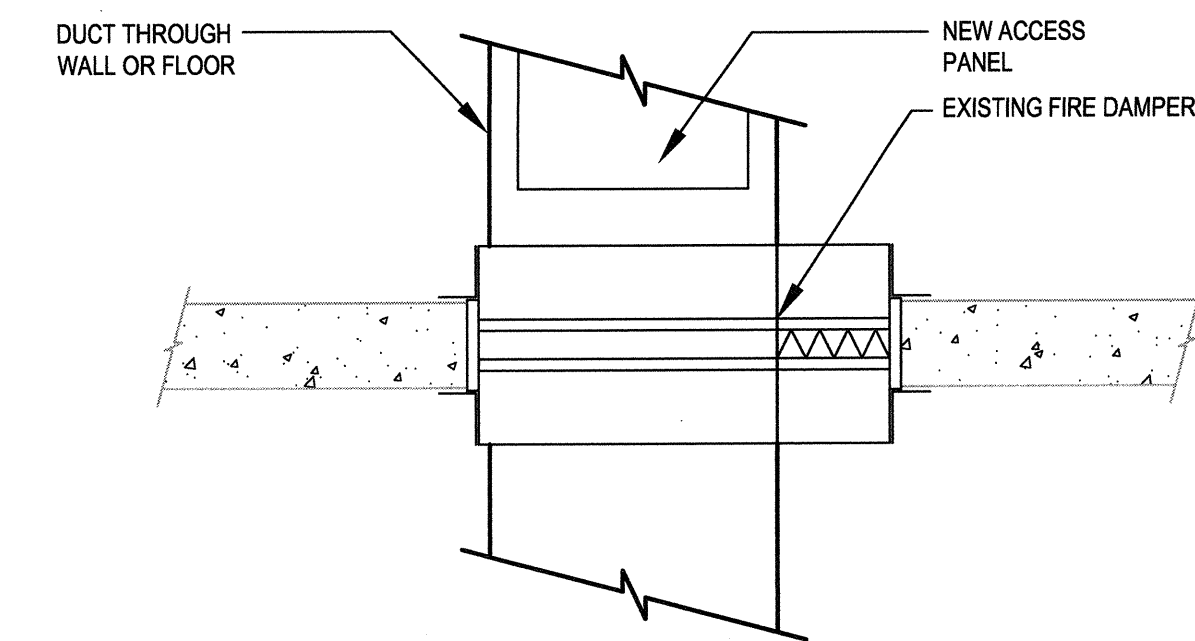
SPLIT UNIT AIR CONDITIONER REFRIGERANT PIPING DIAGRAM



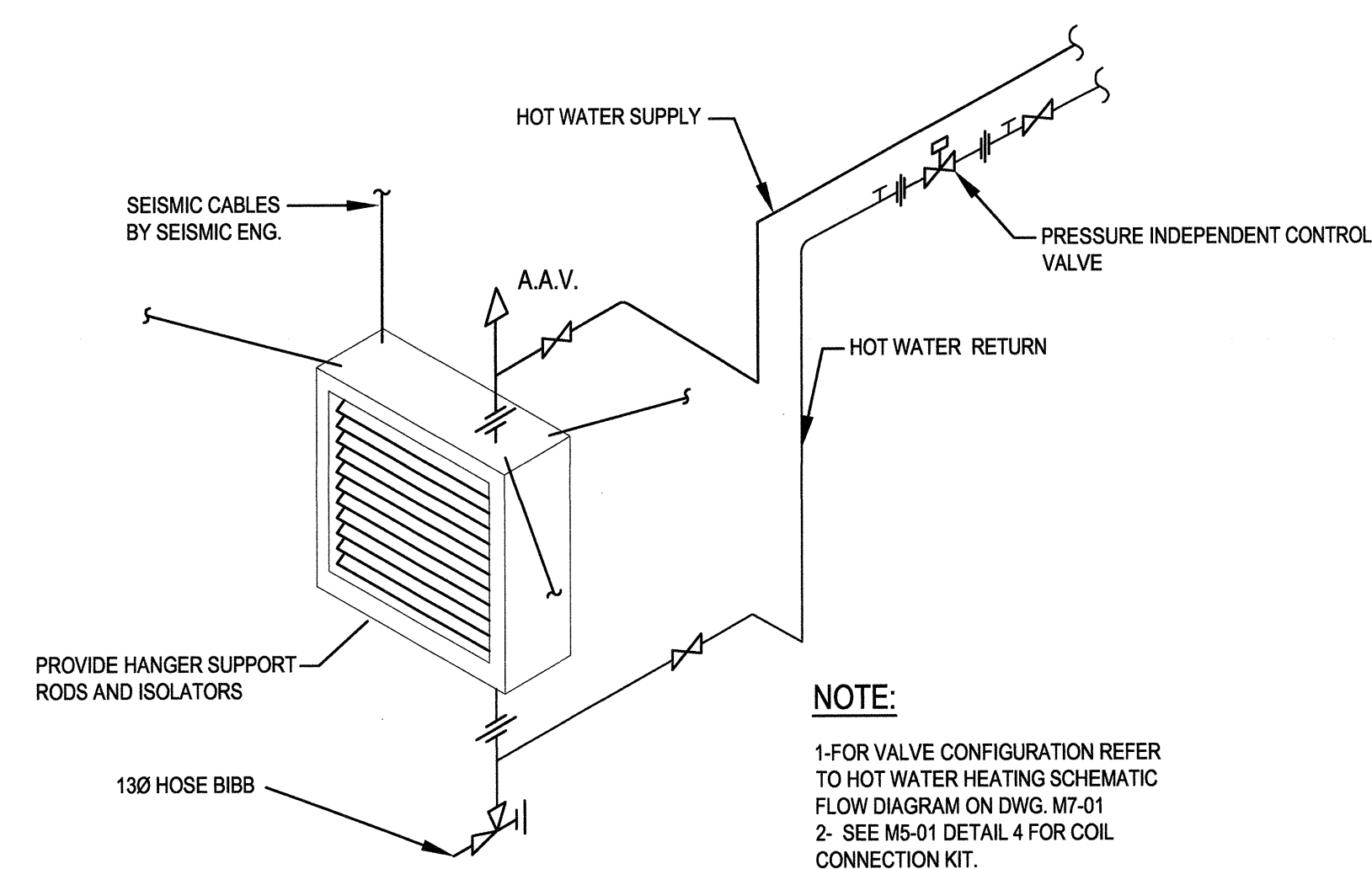
WALL MOUNTED UNITS WITH CONDENSATE PUMP DRAIN PIPING

NOTE:  
1- MAKE 1% SLOPE FOR DRAIN PIPING  
2- SUPPORT BRACKET @ 4 FT

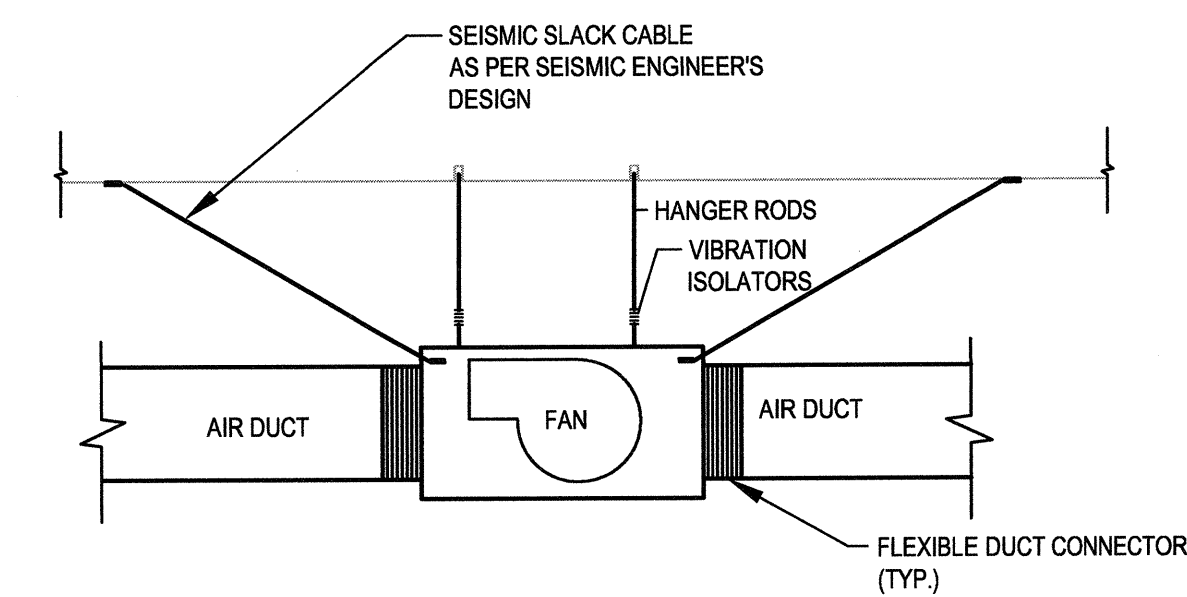
6 SPLIT UNIT AIR CONDITIONER N.T.S.



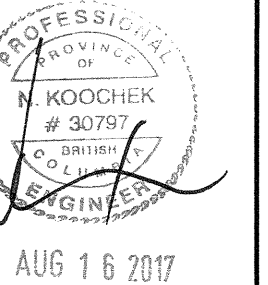
8 FIRE DAMPER ACCESS DOOR N.T.S.



7 HOT WATER UNIT HEATER N.T.S.



9 INLINE EXHAUST FAN N.T.S. (APPLICABLE TO ALL FAN OPERATED UNITS, I.E. FAN COILS, AC UNITS, ETC.)



1	ISSUED FOR TENDER	2017.08.16
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Revision/Revisión Description/Description Date/Date

Client/client

CORRECTIONAL SERVICE OF CANADA

Project title/Titre du projet  
AGASSIZ, BC KENT MAXIMUM SECURITY INSTITUTION

MECHANICAL SYSTEM UPGRADE FOR CELL BLOCKS A through H and J & K

Consultant Signature Box Only

Designed by/Concept par NK/FH

Drawn by/Dessiné par MY/ML

PWGSC Project Manager/Administrateur de Projets TPSSG MARVIN NG

PWGSC Regional Manager, Architectural and Engineering Services / Gestionnaire régional, Services d'architecture et de génie, TPSSG PREETIPAL PAUL

Drawing title/Titre du dessin

MECHANICAL DETAILS 2 OF 2

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
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R.077723.001

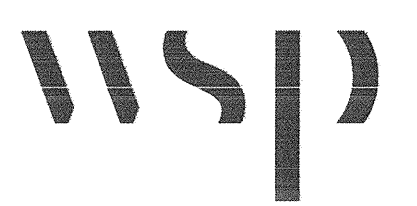
M5-02

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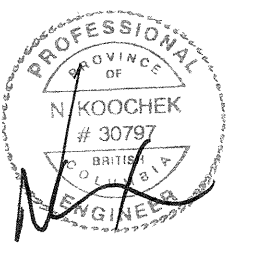
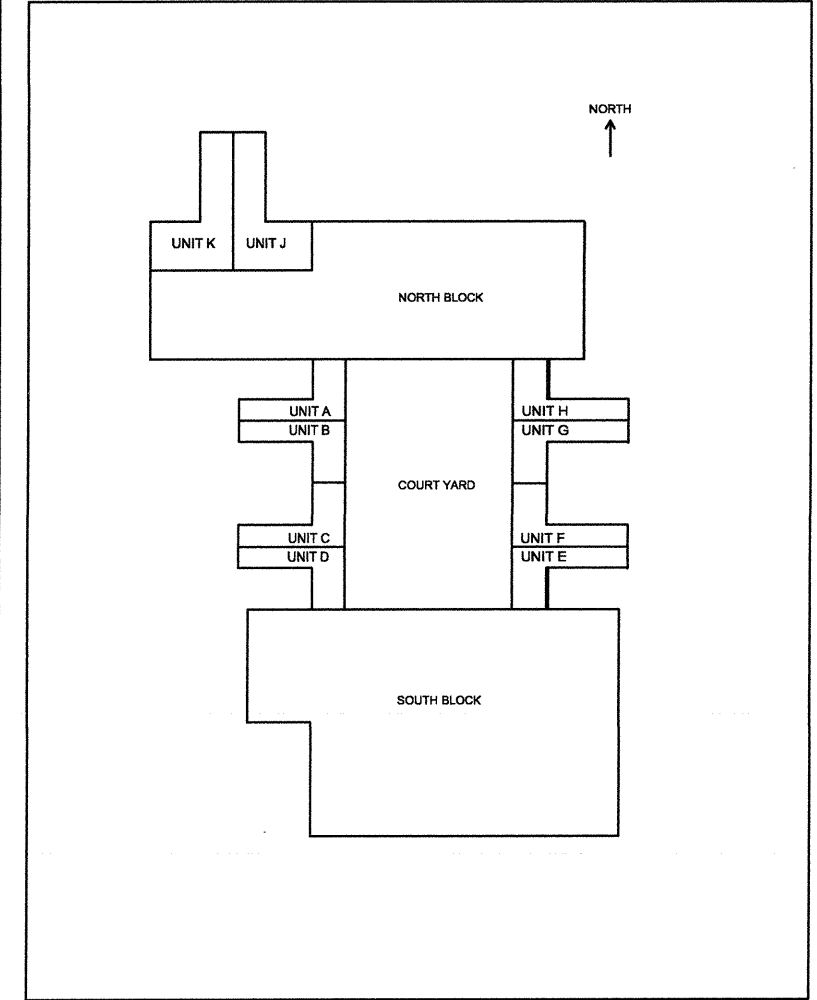
26 OF 53



CONSULTANTS:



PROJECT #151-05897-02



AUG 1 5 2017

Revision table with 3 columns: Revision/Revisé, Description/Description, Date/Date

Client/client information table with 2 columns: Client, Description

CORRECTIONAL SERVICE OF CANADA

Project title/Titre du projet: AGASSIZ, BC KENT MAXIMUM SECURITY INSTITUTION MECHANICAL SYSTEM UPGRADE FOR CELL BLOCKS A through H and J & K

Consultant Signature Box Only

Designed by/Concept par: NKF/FH. Drawn by/Dessiné par: M/YML. PWSCC Project Manager/Administrateur de Projets TPSSC. MARVIN NG. PREETIPAL PAUL. Drawing title/Titre du dessin: MECHANICAL SCHEDULES 1 OF 2

MECHANICAL SCHEDULES 1 OF 2

Project No./No. du projet: R.077723.001

Sheet/Feuille: M6-01

Revision no./Lo Révision no.: 1

GENERAL NOTES:

1. REFER TO GENERAL INSTRUCTION TO BIDDERS FOR APPROVAL OF ALTERNATIVE MATERIALS.

AIR HANDLING UNIT table with columns for TAG NO., QTY, LOCATION, BASIS OF DESIGN, SUPPLY AIR FAN, RETURN AIR FAN, HEATING COIL, FLUID TYPE, ELECTRICAL, ACCESSORIES.

- ACCESSORIES: 1. FAN INLET AND OUTLET SCREEN. 2. HIGH EFFICIENCY MOTORS SUITABLE FOR USE WITH VFD. 3. VSD FOR BOTH SUPPLY AND RETURN FAN. 4. DISCONNECT SWITCHES. 5. FILTER SECTION (1ST BANK AT 30%, 2ND BANK MERV 13).

6. WITH DX COOLING COIL, R-410A FOR COOLING, CAPACITY = 2 TON

SOUND POWER LEVELS (dB) table with columns for TAG NO., OPEN, BAND, FREQ, 1-8, AHU-LA-1 TO AHU-LH-1, AHU-1 & 2.

HOT WATER REHEAT COILS

HOT WATER REHEAT COILS table with columns for EQUIPMENT, QTY, LOCATION, BASIS OF DESIGN, CAPACITY, HOT WATER TEMP, FLOW RATE, WPD, AIR FLOW RATE, MAX APD, AIR TEMP, MAX NUMBER, NET FACE AREA.

WALL FIN HEATER

WALL FIN HEATER table with columns for EQUIPMENT, QTY, LOCATION, BASIS OF DESIGN, ACCEPTABLE MATERIALS, CAPACITY, HOT WATER TEMP, FLOW RATE, ROW, ENCLOSURE HEIGHT, ENCLOSURE LENGTH, ELEMENT LENGTH, CORRECTION FACTOR, ACCESSORIES.

NOTE: 1-CORRECTION FACTOR IS CONSIDERED IN UNIT SELECTION.

CONDENSING UNITS

CONDENSING UNITS table with columns for EQUIPMENT, QTY, LOCATION, BASIS OF DESIGN, ACCEPTABLE MATERIALS, COOLING (TON), MCA (AMPS), ELECTRICAL, ACCESSORIES.

- ACCESSORIES: 1- DDC INTERFACE. 2- FAILURE SIGNAL.

EXHAUST FANS

EXHAUST FANS table with columns for EQUIPMENT, QTY, LOCATION, BASIS OF DESIGN, ACCEPTABLE MATERIALS, TYPE, FLOW, E.S.P., HP, ELECT, SOUND LEVEL, ACCESSORIES.

- ACCESSORIES: 1- EC MOTOR W/ MOTOR MOUNTED SPEED CONTROL. 2- DISCONNECT SWITCH. 3- W/ BACK DRAFT DAMPER. 4- W/ FLEXIBLE DUCT CONNECTORS. 5- INLINE DISCHARGE. 6- ISOLATORS (4 SET). 7- FAN BASE TO BE CUSTOM-MADE TO FIT THE EXISTING CURB OUTSIDE DIMENSION OF 510X510 mm. 8- SINGLE SIDE DISCHARGE. ACCESS BELOW.

RETURN FANS

RETURN FANS table with columns for EQUIPMENT, QTY, LOCATION, BASIS OF DESIGN, ACCEPTABLE MATERIALS, TYPE, FLOW, E.S.P., DRIVE TYPE, HP, BHP, ELECT, SOUND LEVEL, ACCESSORIES.

- ACCESSORIES: 1- CW VFD. 2- DISCONNECT SWITCH. 3- CW VIBRATION ISOLATOR. 4- W/ FLEXIBLE DUCT CONNECTORS. 5- INSULATED HOUSING.

PUMPS

PUMPS table with columns for TAG NO., QTY, SERVICE, BASIS OF DESIGN, ACCEPTABLE MATERIALS, FLOW, HEAD, TYPE, ELECTRICAL, MAX. POWER INPUT, ACCESSORIES.

- ACCESSORIES: 1- DISCONNECT SWITCH

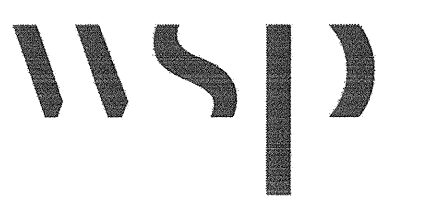
SPLIT AIR CONDITIONING - INDOOR AND OUTDOOR UNITS

SPLIT AIR CONDITIONING table with columns for EQUIPMENT, QTY, LOCATION, BASIS OF DESIGN, ACCEPTABLE MATERIALS, MODEL TYPE, COOLING, SEER, ELECTRICAL, MCA, SOUND PRESSURE LEVEL, ACCESSORIES.

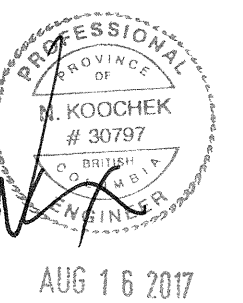
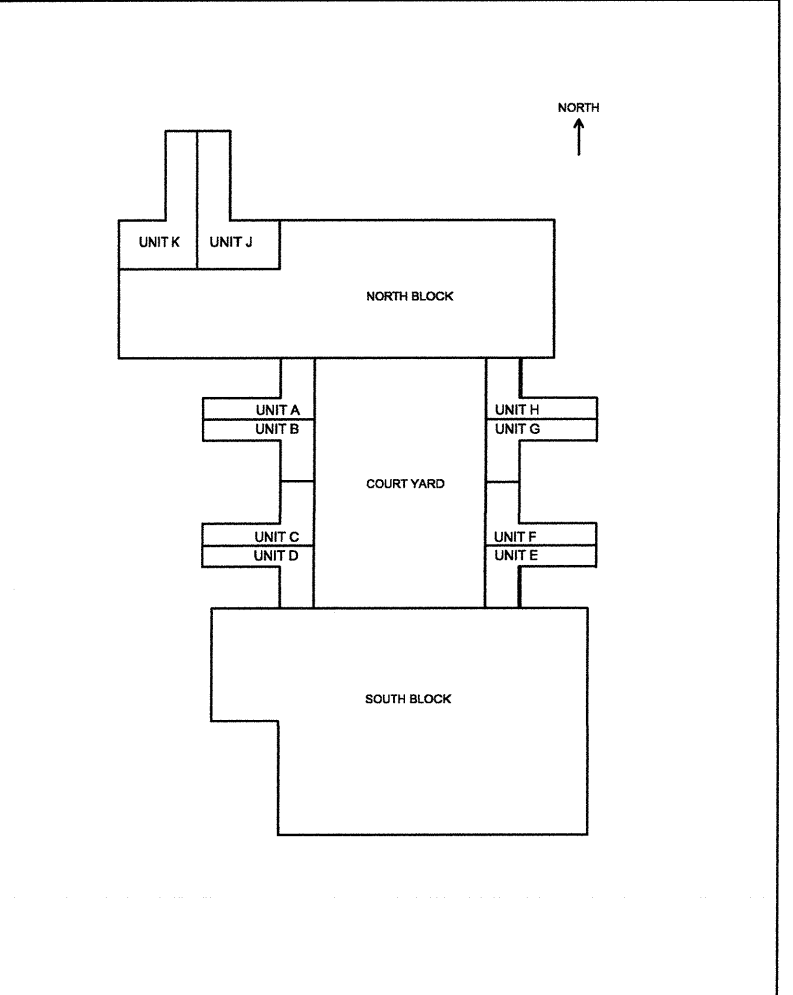
- ACCESSORIES: 1. CONDENSATE PUMP. 2. SINGLE-POINT POWER CONNECTION TO OUTDOOR UNIT. POWER TO INDOOR FROM OUTDOOR UNIT. 3. WINDSCREENS AND ULTRA-LOW AMBIENT KIT, COOLING OPERATING RANGE TO -40°C. 4. DDC INTERFACE CARD FOR DDC CONNECTION. 5. WIRED CONTROLLER (T-STAT). 6. FAILURE SIGNAL TO DDC.



CONSULTANTS:



PROJECT #151-05897-02



1	ISSUED FOR TENDER	2017.08.16
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Revision/	Description/Description	Date/Date
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Client/client

**CORRECTIONAL SERVICE OF CANADA**

Project title/Titre du projet

**AGASSIZ, BC  
KENT MAXIMUM SECURITY  
INSTITUTION**

**MECHANICAL SYSTEM  
UPGRADE FOR CELL BLOCKS  
A through H and J & K**

Consultant Signature Box Only

Designed by/Concept par

**NK/FH**

Drawn by/Dessiné par

**MY/ML**

PWSSC Project Manager/Administrateur de Projets TPSSC

**MARVIN NG**

PWSSC Regional Manager, Architectural and Engineering Services/  
Gestionnaire régional, Services d'architecture et de génie, TPSSC

**PREETIPAL PAUL**

Drawing title/Titre du dessin

**MECHANICAL SCHEDULES  
2 OF 2**

Project No./No. du projet	Sheet/Fauille	Revision no./ Lo Révision no.
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**R.077723.001**

**M6-02**

**1**

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**GRILLES & DIFFUSERS**

TAG No.	DESCRIPTION	BASIS OF DESIGN	ACCEPTABLE MATERIALS	ACCESSORIES
A	SUPPLY GRILL	TITUS 300-RS		SIDE WALL, #28 WHITE
B	EXHAUST GRILLE (SIDE WALL)	TITUS 50F		EGGCRATE, CW ADJUSTABLE DAMPER
C	RETURN GRILLE	TITUS 350-RL		0° DEFLECTION, #28 WHITE

**HOT WATER UNIT HEATERS**

EQUIPMENT	QTY	LOCATION	BASIS OF DESIGN	ACCEPTABLE MATERIALS	CAPACITY KW (MBH)	CORRECTION FACTOR	HOT WATER TEMP IN °C (°F)	OUT °C (°F)	FLOW RATE l/s (GPM)	W/P D KPA	MOTOR HP	VOLTAGE
UH-1	1	MECH ROOM LIVING UNIT J			15 (52.0)		68 (155)	58 (135)	0.28 (4.4)	2	1/2	120/1/60
UH-2	1	MECH ROOM LIVING UNIT K			15 (52.0)		68 (155)	58 (135)	0.28 (4.4)	2	1/2	120/1/60

Note:  
1- CORRECTION FACTOR SHALL BE CONSIDERED IN UNIT SELECTION.

**MOTORIZED DAMPER**

TAG No.	QTY	DESCRIPTION	BASIS OF DESIGN	ACCEPTABLE MATERIALS	DIM. mm x mm	MATERIAL	ACCESSORIES
MD-LA-1 TO MD-LH-1	8	MOTORIZED DAMPER	TAMCO SERIES 9000		1500 x 1200	ALUMINUM, THERMALLY INSULATED	
MD-LA-2 TO MD-LH-2	N/A	N/A	N/A		N/A	N/A	
MD-LA-3 TO MD-LH-3	8	MOTORIZED DAMPER	TAMCO SERIES 9000		1500 x 450	ALUMINUM, THERMALLY INSULATED	
MD-LA-4 TO MD-LH-4	8	MOTORIZED DAMPER	TAMCO SERIES 9000		1500 x 750	ALUMINUM, THERMALLY INSULATED	
MD-LA-5 TO MD-LH-5	8	MOTORIZED DAMPER	TAMCO SERIES 9000		600 x 600	ALUMINUM, THERMALLY INSULATED	
MD-K-1	1	MOTORIZED DAMPER	TAMCO SERIES 9000		350 x 300	ALUMINUM, THERMALLY INSULATED	
MD-K-2	1	MOTORIZED DAMPER	TAMCO SERIES 9000		400 x 400	ALUMINUM, THERMALLY INSULATED	

**LOUVERS**

TAG No.	DESCRIPTION	BASIS OF DESIGN	ACCEPTABLE MATERIALS	ACCESSORIES
L	LOUVER	E.H. PRICE, DE635		DRAINABLE, EXTRUDED ALUMINUM, 6" DEPTH

**FAN COIL**

TAG NO.	QTY.	SERVICE	BASIS OF DESIGN	ACCEPTABLE MATERIALS	AIR FLOW l/s (CFM)	COOLING CAPACITY KW (MBH)	HEATING CAPACITY KW (MBH)	EXT. STATIC P. Pa (N.W.G.)	TYPE	ELECTRICAL	ACCESSORIES
FC-1	1	CONTROL POST J&K UNIT			350 (750)	7 (24)	6.5 (22.5)	75 (0.3)	HORIZONTAL - CEILING	208/1/60 1/2 HP	EC MOTOR, FILTER KIT,

**CONTROL VALVES**

VALVE TAG	SERVICE TO:	LOCATION	QTY	W/P D (FT)	C <sub>v</sub>	VALVE SIZE	PIPE SIZE	FLOW RATE l/s (GPM)	TYPE
CV-J1	RHC-J1	UNIT J	1	-	-	200	250	0.2 (3.7)	PICV 2-WAY
CV-J2	RHC-J2	UNIT J	1	-	-	200	250	0.27 (4.4)	PICV 2-WAY
CV-J3	RHC-J3	UNIT J	1	-	-	150	150	0.05 (0.8)	PICV 2-WAY
CV-J4	RHC-J4	UNIT J	1	-	-	200	250	0.3 (4.88)	PICV 2-WAY
CV-J5	AHU-1	UNIT J	1	3(10)	1.93	150	250	0.25 (4)	3-WAY
CV-J6	WF-1	UNIT J	1	-	-	150	150	0.02 (0.1)	PICV 2-WAY
CV-J7	UH-1	UNIT J	1	-	-	150	150	0.27 (4.4)	PICV 2-WAY
CV-J8	FCU-J-1 HEATING	UNIT J	1	-	-	200	200	0.063 (1)	PICV 2-WAY
CV-J9	FCU-J-1 COOLING	UNIT J	1	-	-	200	200	0.063 (1)	PICV 2-WAY
CV-K1	RHC-K1	UNIT K	1	-	-	200	250	0.23 (3.68)	PICV 2-WAY
CV-K2	RHC-K2	UNIT K	1	-	-	200	250	0.3 (4.88)	PICV 2-WAY
CV-K3	RHC-K3	UNIT K	1	-	-	200	200	0.09 (1.52)	PICV 2-WAY
CV-K4	RHC-K4	UNIT K	1	-	-	200	250	0.3 (4.88)	PICV 2-WAY
CV-K5	AHU-2	UNIT K	1	3(10)	1.93	150	250	0.25 (4)	3-WAY
CV-K6	AHU-3	UNIT K	1	-	-	200	200	0.12 (2)	PICV 2-WAY
CV-K7	UH-2	UNIT K	1	-	-	200	250	0.27 (4.4)	PICV 2-WAY
CV-N3	P-3	MECH RM NORTH BLOCK	1	6(15)	18.7	400	650	3 (47.7)	3-WAY
CV-LU-1	RHC-LA-1 TO RHC-LH-1	LU A TO H	8	-	-	200	250	0.22 (3.54)	PICV 2-WAY
CV-LU-2	RHC-LA-2 TO RHC-LH-2	LU A TO H	8	-	-	200	200	0.36 (1.6)	PICV 2-WAY
CV-LU-3	RHC-LA-3 TO RHC-LH-3	LU A TO H	8	-	-	200	200	0.1 (1.6)	PICV 2-WAY
CV-LU-4	RHC-LA-4 TO RHC-LH-4	LU A TO H	8	-	-	200	200	0.075 (1.2)	PICV 2-WAY
CV-LU-5	RHC-LA-5 TO RHC-LH-5	LU A TO H	8	-	-	200	250	0.2 (3.2)	PICV 2-WAY
CV-LU-6	RHC-LA-6 TO RHC-LH-6	LU A TO H	8	3(10)	1.62	150	250	0.2 (3.4)	3-WAY
CV-LU-7	RHC-LA-7 TO RHC-LH-7	LU A TO H	8	-	-	200	200	0.1 (1.6)	PICV 2-WAY
CV-LU-8	RHC-LA-8 TO RHC-LH-8	LU A TO H	8	-	-	200	200	0.075 (1.2)	PICV 2-WAY
CV-LU-9	RHC-LA-9 TO RHC-LH-9	LU A TO H	8	-	-	150	150	0.02 (0.43)	PICV 2-WAY
CV-LU-10	AHU-LA-1	LU A TO H	8	-	-	200	250	0.25 (4)	PICV 2-WAY
CV-LU-11	WF-2	LU A TO H	8	-	-	200	200	0.1 (1.6)	PICV 2-WAY
CV-LU-12	P-LA-1 TO P-LH-1	MECH RM LIVING UNIT	8	4.5 (15)	9.16	320	500	1.46 (23.31)	3-WAY

NOTES:  
1. PICV: PRESSURE INDEPENDENT CONTROL VALVE  
2. PRESSURE RANGE FOR PICV: 5-50 PSI  
3. PICV WITH P/T PORTS  
4. EQUAL PERCENTAGE FLOW CHARACTERISTIC, NPT FEMALE ENDS, CLASS 250  
5. RANGEABILITY 50:1 MINIMUM, FLOW ACCURACY: LESS THAN 5%  
6. WITH DIRECT MOUNT ACTUATOR, 0-10 VDC OR 4-20 mA DC, PROPORTIONAL CONTROL, FAIL SAFE OPEN.

**GENERAL NOTES:**

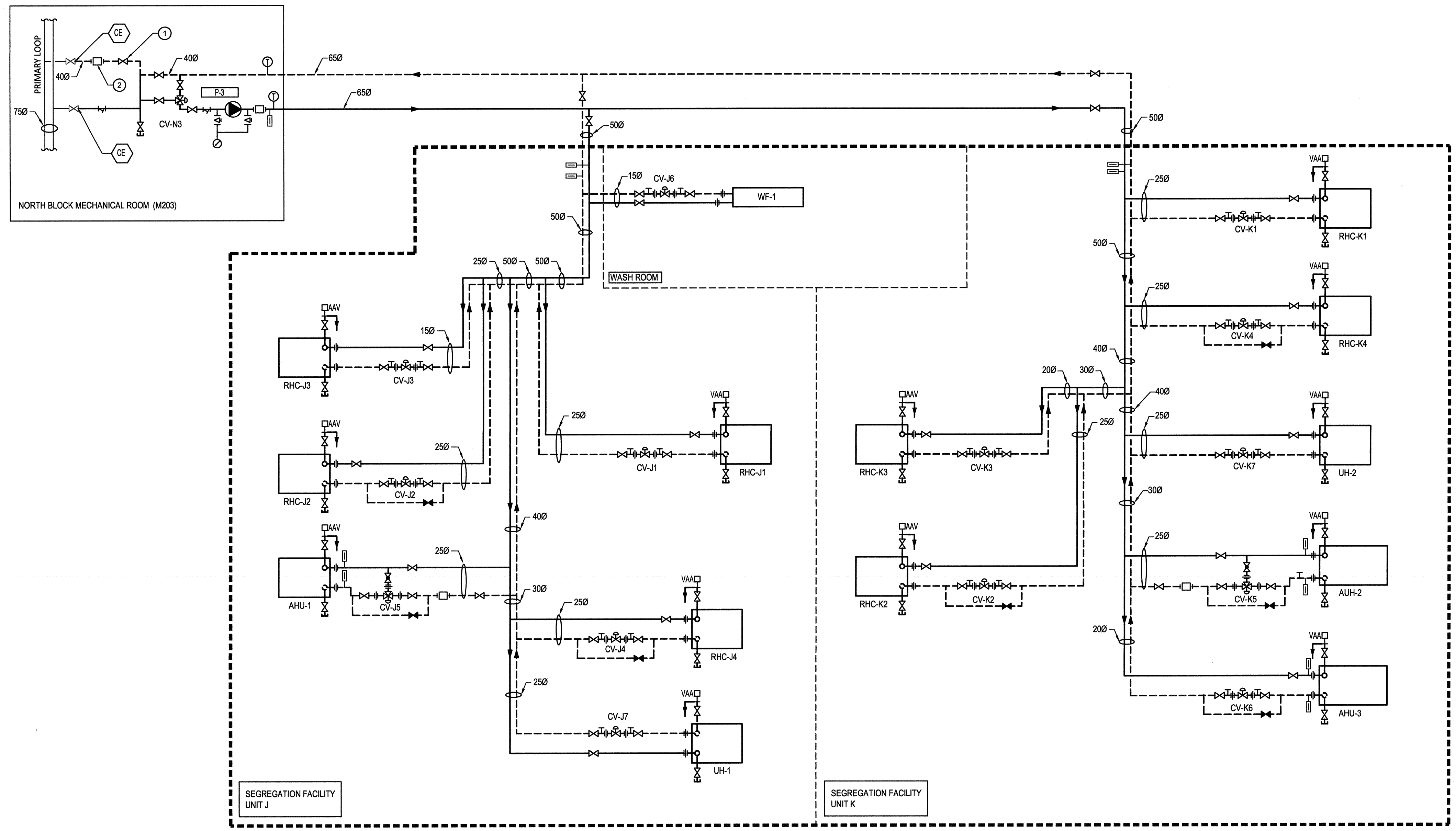
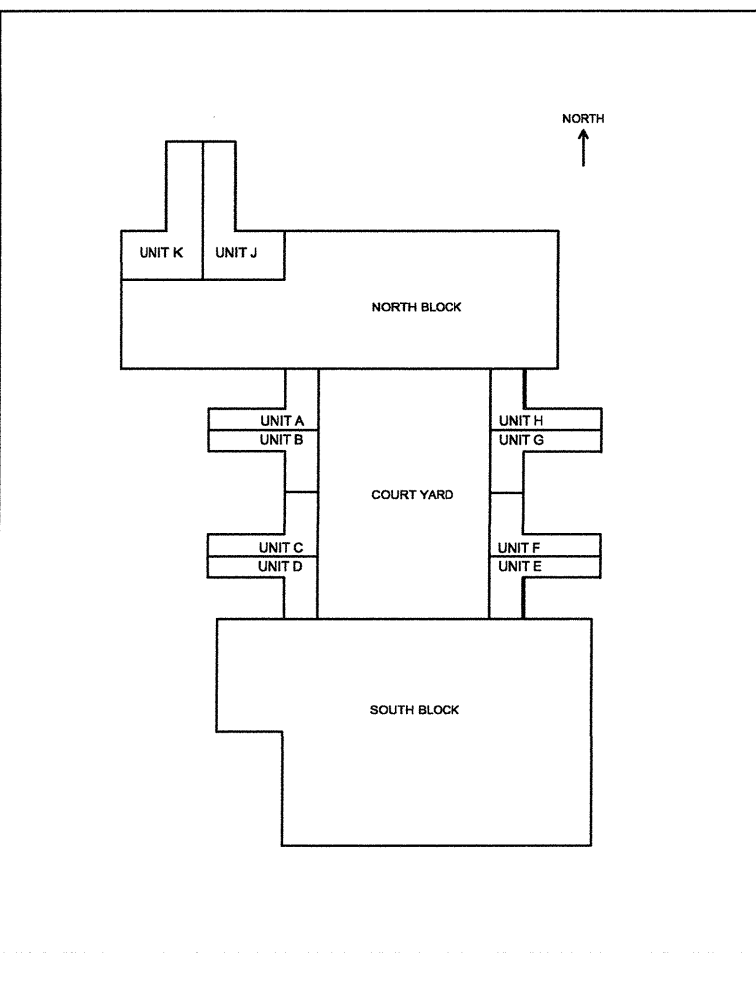
- REFER TO GENERAL INSTRUCTION TO BIDDERS FOR APPROVAL OF ALTERNATIVE MATERIALS.



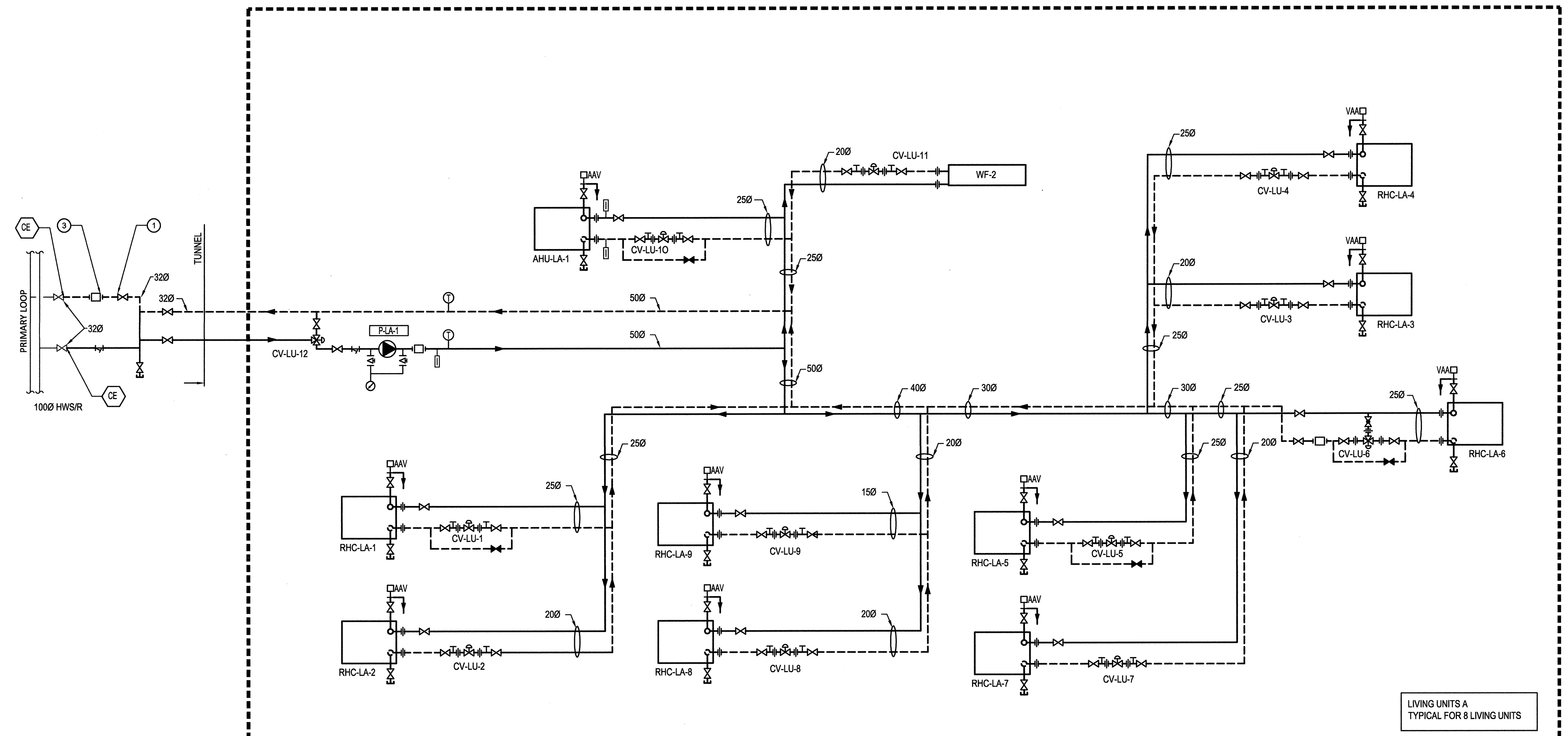
CONSULTANTS:



PROJECT #151-05897-02



1 HOT WATER SUPPLY & RETURN SCHEMATIC FOR J&K UNITS  
NTS



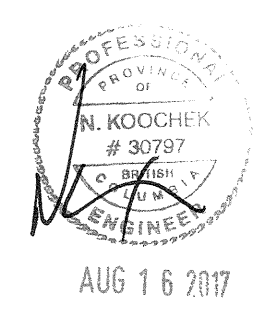
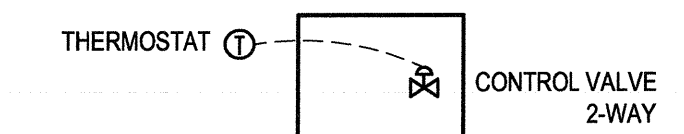
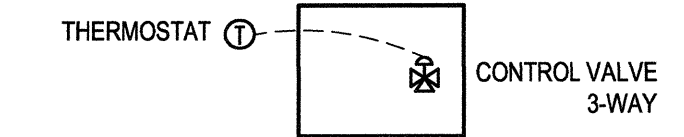
2 HOT WATER SUPPLY & RETURN SCHEMATIC FOR LIVING UNITS "A" TO "H"  
NTS

GENERAL NOTES:

1-AUTOMATIC AIR VENTS SHALL BE PIPED TO FLOOR DRAIN

KEY NOTES:

- 1 ADDED FOR EASY REMOVAL OF BALANCING VALVE IN FUTURE.
- 2 BALANCE TO 1.55 L/S (60 GPM)
- 3 BALANCE TO 0.7 L/S (11.5)



AUG 16 2017

1	ISSUED FOR TENDER	2017.08.16
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Revision/	Description/Description	Date/Date
Revised/		

Client/client

**CORRECTIONAL SERVICE OF CANADA**

Project title/Titre du projet  
**AGASSIZ, BC KENT MAXIMUM SECURITY INSTITUTION**

**MECHANICAL SYSTEM UPGRADE FOR CELL BLOCKS A through H and J & K**

Consultant Signature Box Only

Designed by/Concept par  
**NK/FH**

Drawn by/Dessiné par  
**MY/ML**

PWSSC Project Manager/Administrateur de Projets TPSGC  
**MARVIN NG**

PWSSC Regional Manager, Architectural and Engineering Services/Gestionnaire régionale, Services d'architecture et de génie, TPSGC  
**PREETIPAL PAUL**

Drawing title/Titre du dessin  
**MECHANICAL SCHEMATIC HOT WATER HEATING SYSTEM**

Project No./No. du projet <b>R.077723.001</b>	Sheet/Feuille <b>M7-01</b>	Revision no./ La Révision no. <b>1</b>
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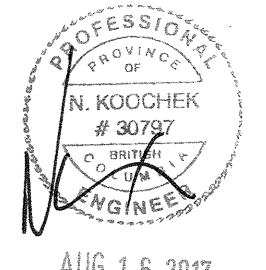
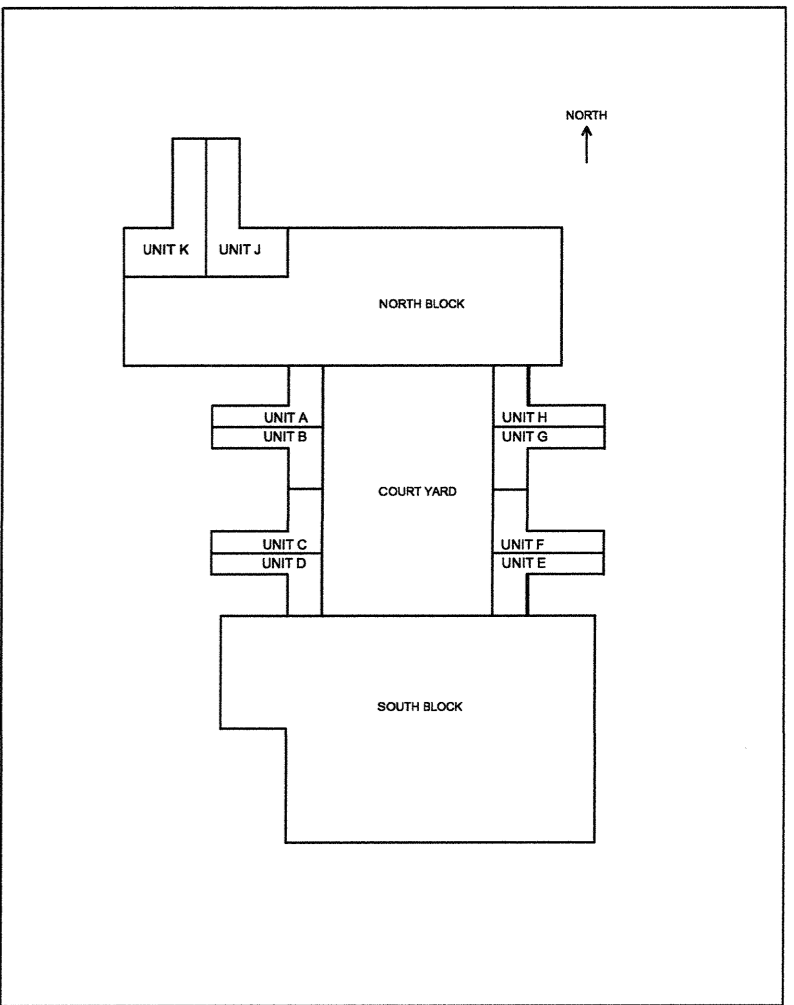




CONSULTANTS:



PROJECT #151-05897-02



1	ISSUED FOR TENDER	2017.08.16
Revision/	Description/Description	Date/Date

Client/client  
**CORRECTIONAL SERVICE OF CANADA**

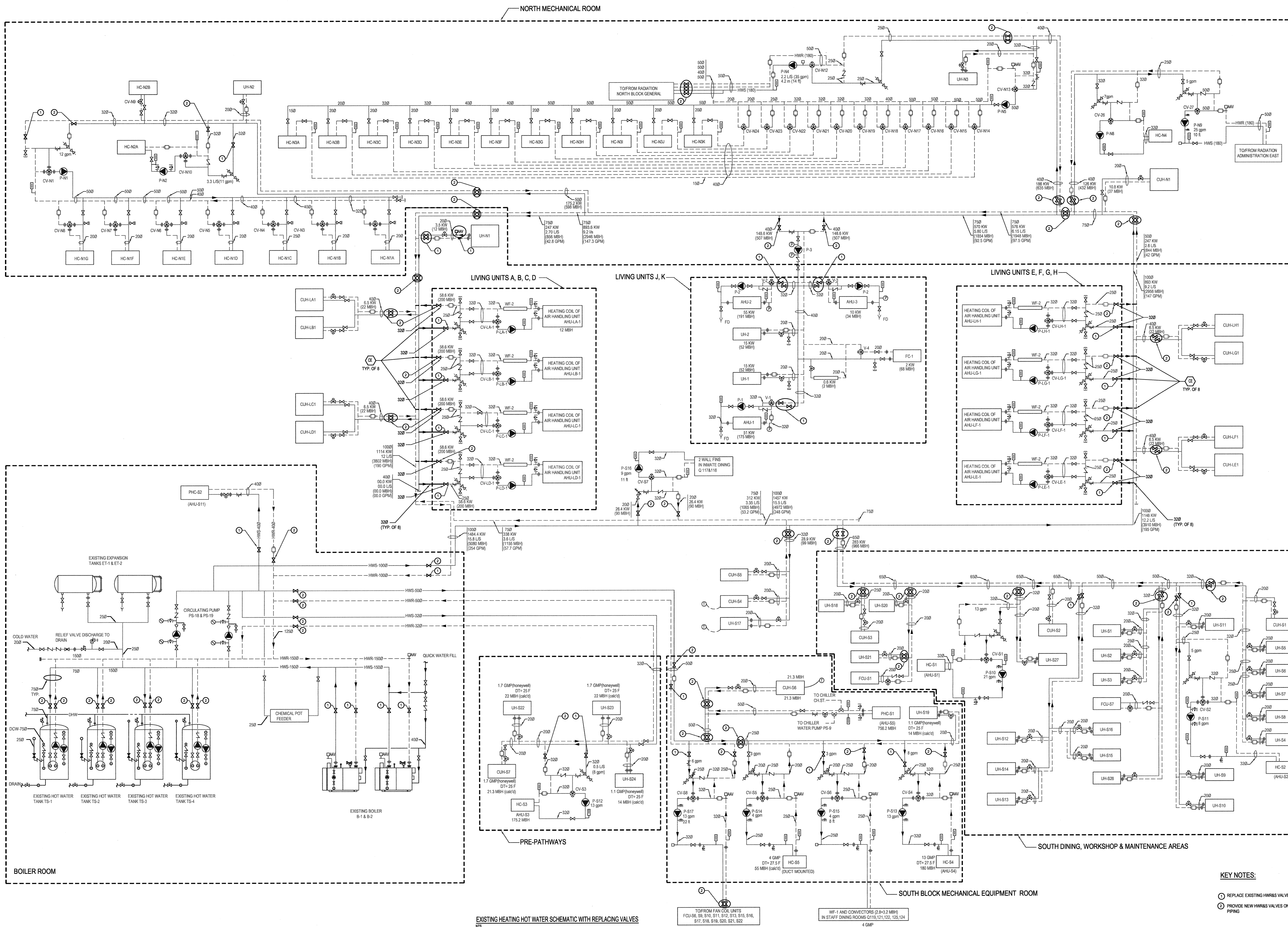
Project title/Titre du projet  
**AGASSIZ, BC  
KENT MAXIMUM SECURITY  
INSTITUTION  
MECHANICAL SYSTEM  
UPGRADE FOR CELL BLOCKS  
A through H and J & K**

Consultant Signature Box Only

Designed by/Concept par  
**NK/FH**  
Drawn by/Dessiné par  
**MY/ML**  
PWSSC Project Manager/Administrateur de Projets TPSSC  
**MARVIN NG**  
PWSSC Regional Manager, Architectural and Engineering Services/  
Gestionnaire régional, Services d'architecture et de génie, TPSSC  
**PREETIPAL PAUL**

Drawing title/Titre du dessin  
**EXISTING HEATING HOT WATER  
SYSTEM SCHEMATIC  
ISOLATION VALVES  
REPLACEMENT/ADDITION**

Project No./No. du projet <b>R.077723.001</b>	Sheet/Fauille <b>M8-01</b>	Revision no./ Lo Révision no. <b>1</b>
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- KEY NOTES:**
- 1 REPLACE EXISTING HWRS VALVES WITH NEW
  - 2 PROVIDE NEW HWRS VALVES ON EXISTING PIPING
- GENERAL NOTE:**
- 1- ALL NEW AND REPLACED VALVES SHALL BE LINE SIZE, UNLESS NOTED OTHERWISE.

EXISTING HEATING HOT WATER SCHEMATIC WITH REPLACING VALVES

TO/FROM FAUC COIL UNITS  
FCU-S8, S9, S10, S11, S12, S13, S15, S16,  
S17, S18, S19, S20, S21, S22

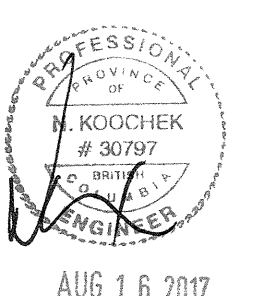
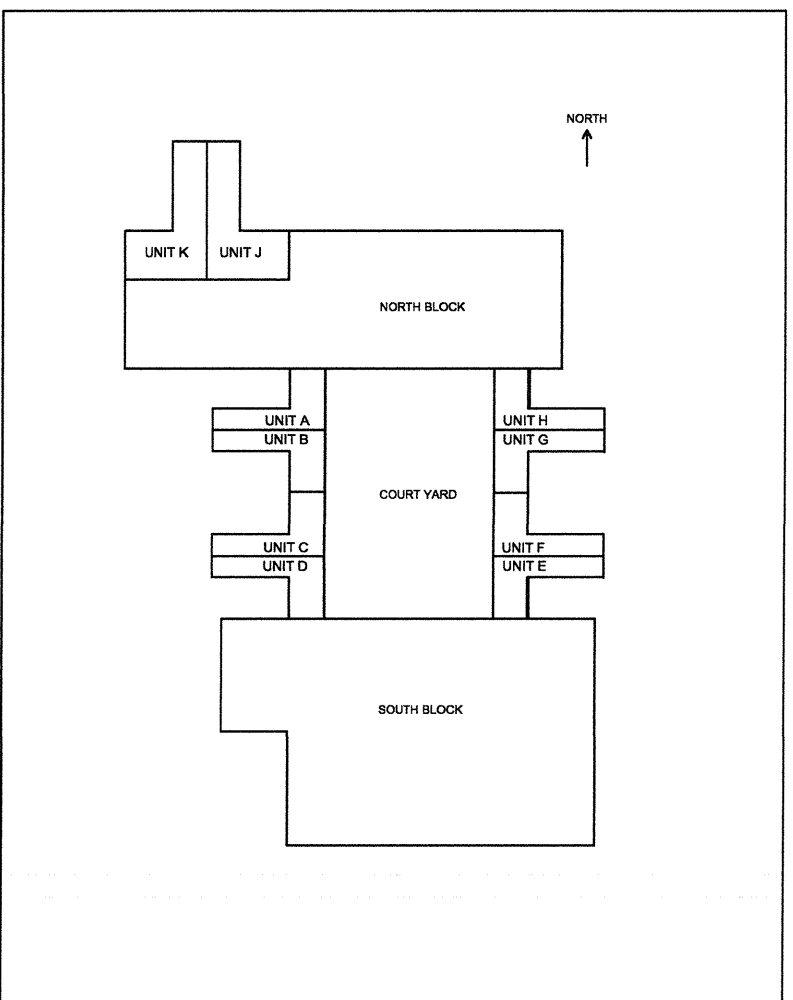
WF-1 AND CONNECTORS (2.6x3.3 MBH)  
IN STAFF DINING ROOMS (115, 121, 122, 123, 124)



CONSULTANTS:



PROJECT #151-05897-02



1	ISSUED FOR TENDER	2017.08.16
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Revision/ Révision	Description/Description	Date/Date
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Client/client  
**CORRECTIONAL SERVICE OF CANADA**

Project title/Titre du projet  
**AGASSIZ, BC  
KENT MAXIMUM SECURITY  
INSTITUTION  
MECHANICAL SYSTEM  
UPGRADE FOR CELL BLOCKS  
A through H and J & K**

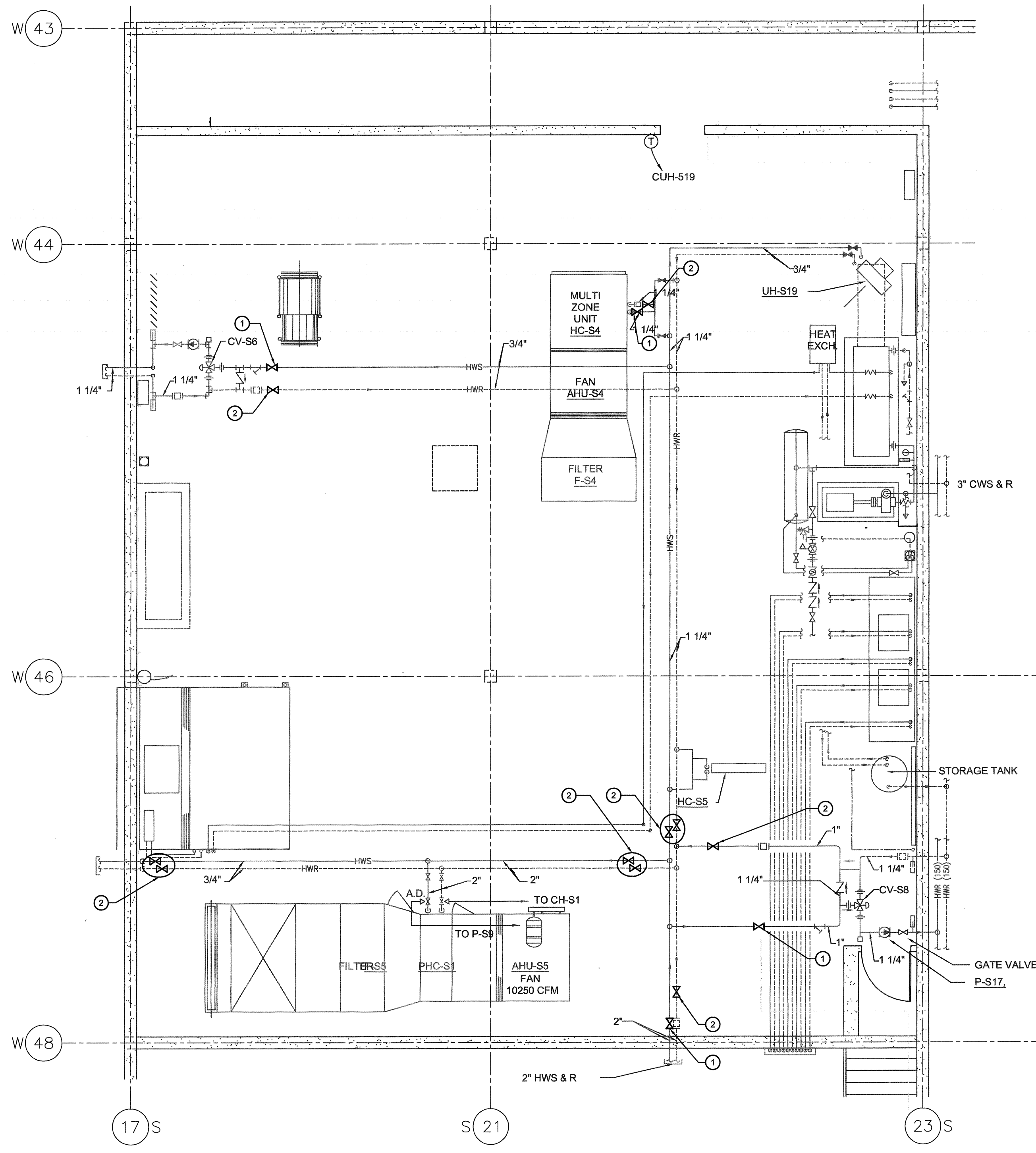
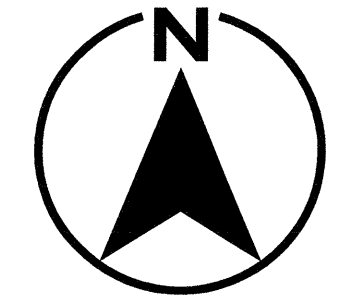
Consultant Signature Box Only

Designed by/Concept par  
**NK/FH**  
Drawn by/Dessiné par  
**MY/ML**  
PWSSC Project Manager/Administrateur de Projets TPSGC  
**MARVIN NG**  
PWSSC Regional Manager, Architectural and Engineering Services/  
Gestionnaire régionale, Services d'architecture et de génie, TPSGC  
**PREETIPAL PAUL**

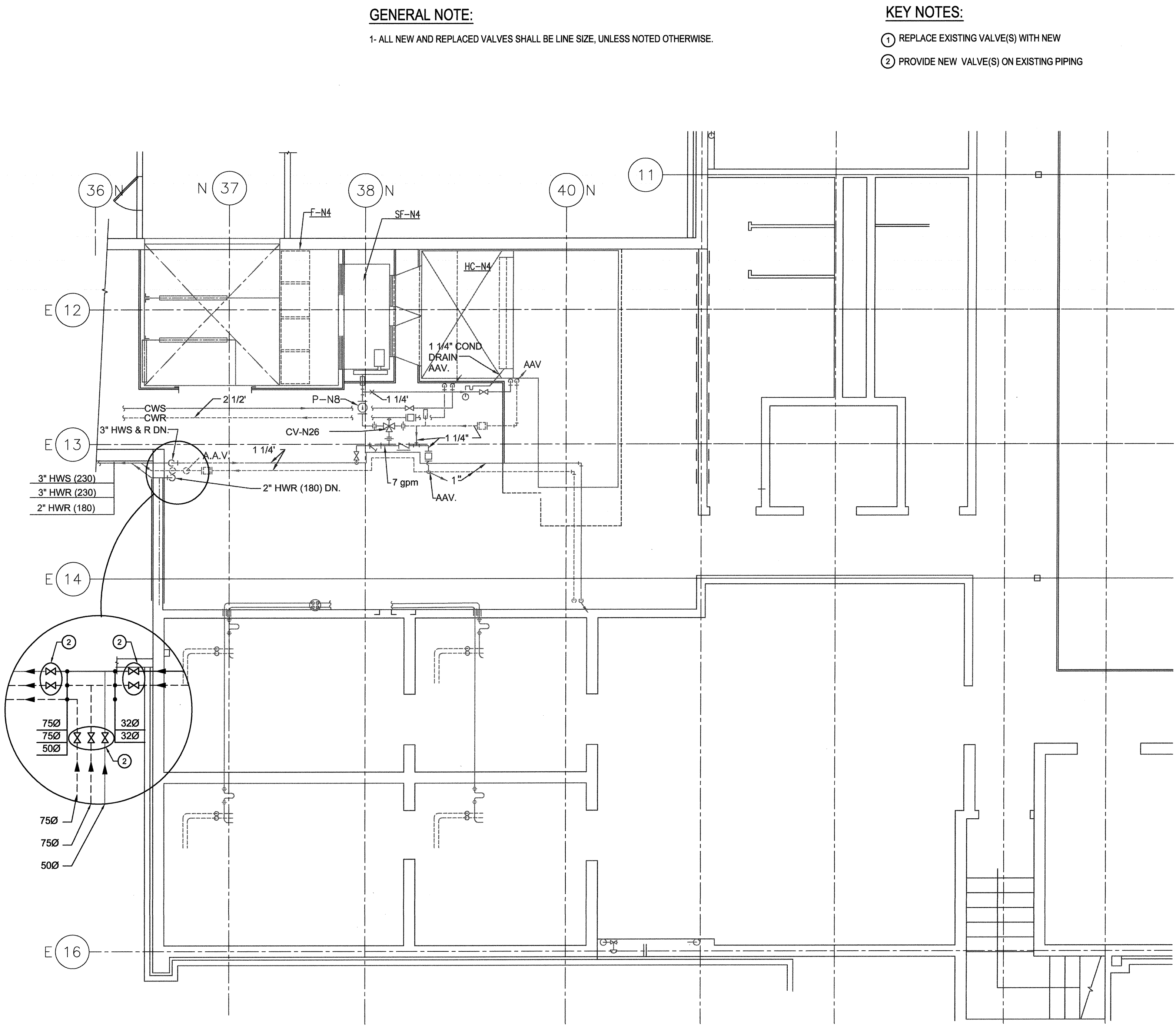
Drawing title/Titre du dessin

**ISOLATION VALVES  
REPLACEMENT / ADDITION PLAN**

Project No./No. du projet <b>R.077723.001</b>	Sheet/Fauille <b>M8-02</b>	Revision no./ Lo Révision no. <b>1</b>
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EXISTING SOUTH BLOCK MECHANICAL EQUIPMENT ROOM PLAN  
SCALE: 1/50



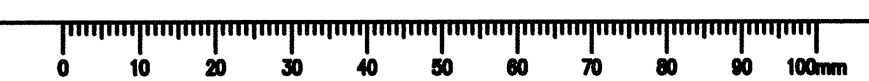
EXISTING NORTH BLOCK MECHANICAL EQUIPMENT ROOM PLAN  
SCALE: 1/50

**GENERAL NOTE:**

1- ALL NEW AND REPLACED VALVES SHALL BE LINE SIZE, UNLESS NOTED OTHERWISE.

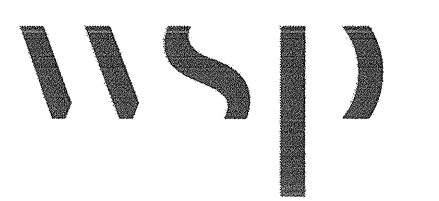
**KEY NOTES:**

- ① REPLACE EXISTING VALVE(S) WITH NEW
- ② PROVIDE NEW VALVE(S) ON EXISTING PIPING

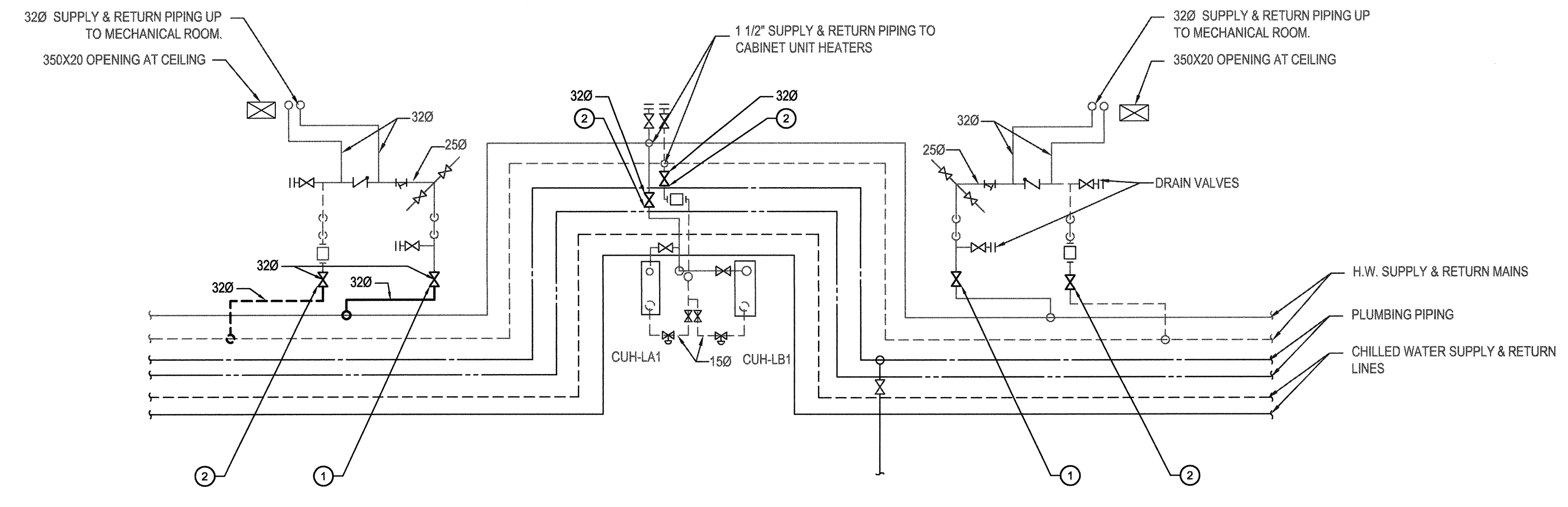
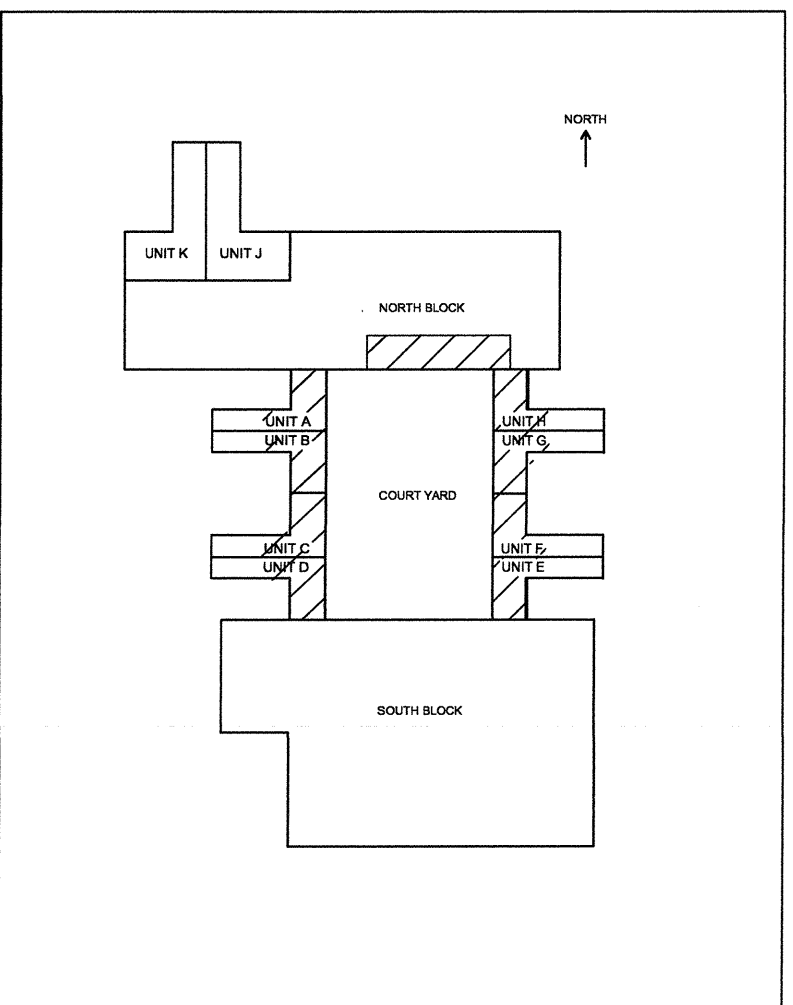




CONSULTANTS:



PROJECT #151-05897-02



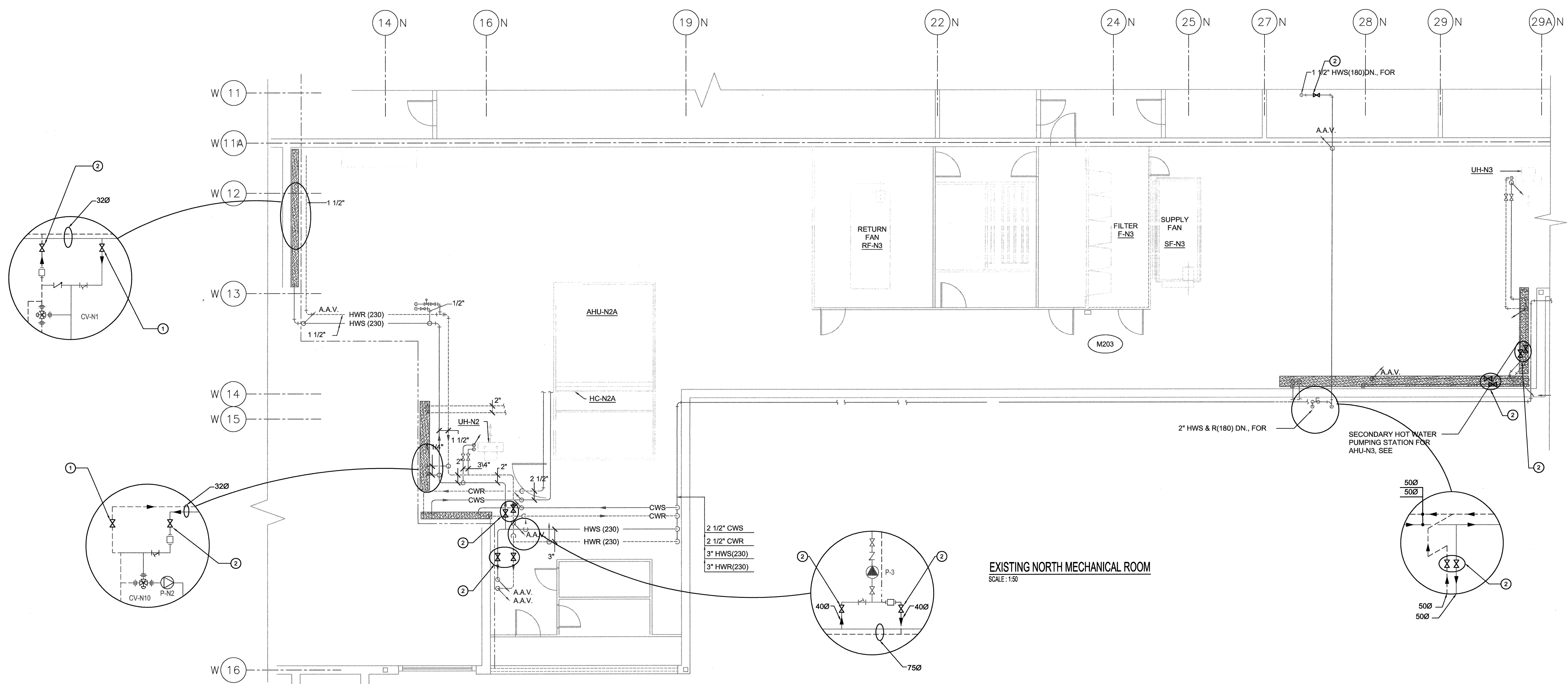
EXISTING LIVING UNIT - TUNNEL FLOOR PLAN TYPICAL FOR 8 LIVING CELLS A TO H  
SCALE: 1/80

GENERAL NOTE:

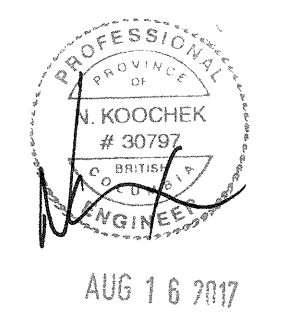
1. ALL NEW AND REPLACED VALVES SHALL BE LINE SIZE, UNLESS NOTED OTHERWISE.

KEY NOTES:

- ① REPLACE EXISTING VALVE(S) WITH NEW
- ② PROVIDE NEW VALVE(S) ON EXISTING PIPING



EXISTING NORTH MECHANICAL ROOM  
SCALE: 1/50



1	ISSUED FOR TENDER	2017.08.16
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Revision/	Description/Description	Date/Date
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Client/client

**CORRECTIONAL SERVICE OF CANADA**

Project title/Titre du projet  
**AGASSIZ, BC KENT MAXIMUM SECURITY INSTITUTION**

**MECHANICAL SYSTEM UPGRADE FOR CELL BLOCKS A through H and J & K**

Consultant Signature Box Only

Designed by/Concept par  
**NK/FH**

Drawn by/Dessiné par  
**MY/ML**

PWSSC Project Manager/Administrateur de Projets TPSSC  
**MARVIN NG**

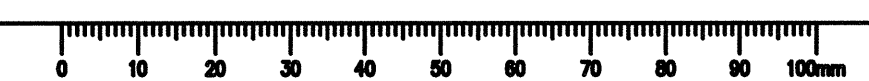
PWSSC Regional Manager, Architectural and Engineering Services/  
Gestionnaire régionale, Services d'architecture et de génie, TPSSC  
**PREETIPAL PAUL**

Drawing title/Titre du dessin

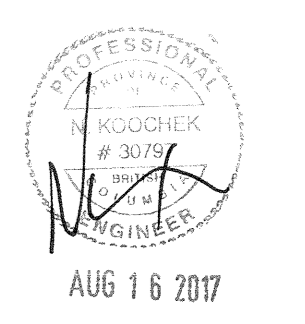
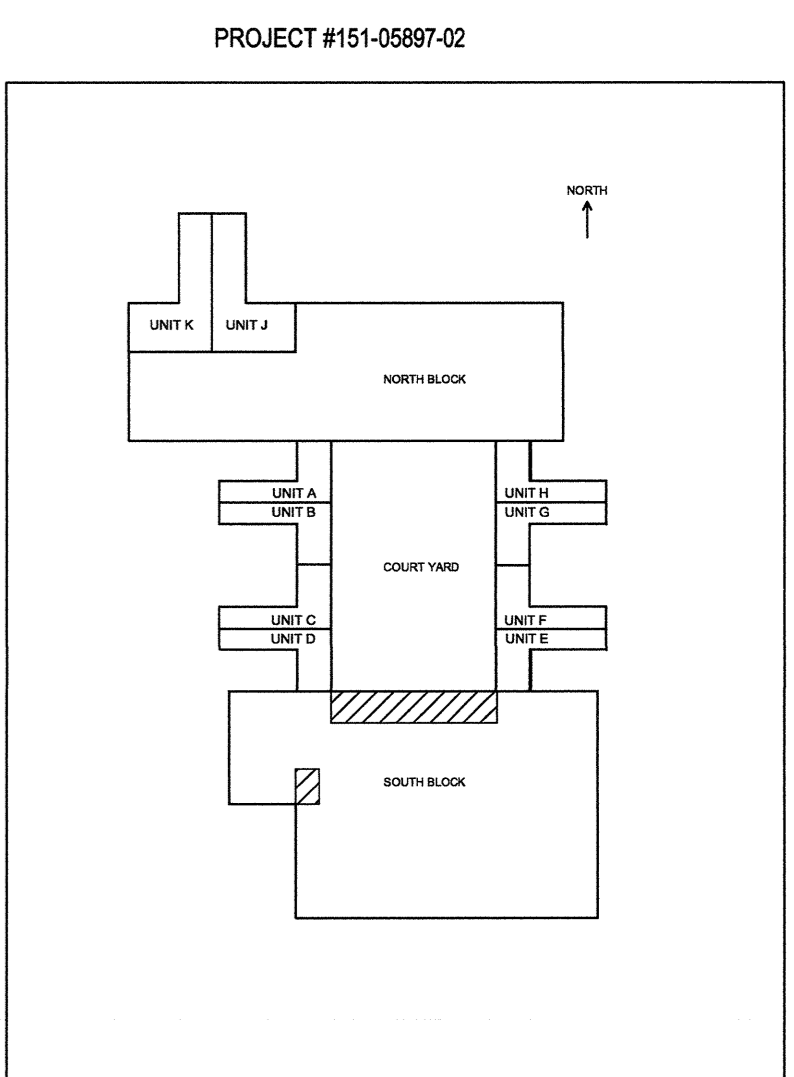
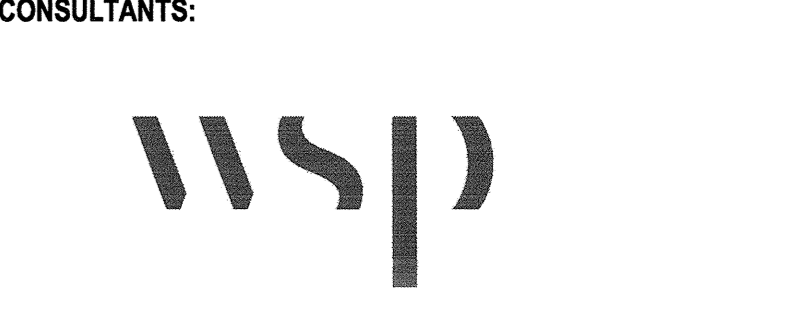
**ISOLATION VALVES REPLACEMENT / ADDITION PLAN**

Project No./No. du projet	Sheet/Fauille	Revision no./ Lo Révision no.
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<b>R.077723.001</b>	<b>M8-03</b>	<b>1</b>
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1	ISSUED FOR TENDER	2017.08.16
Revision/Revision	Description/Description	Date/Date

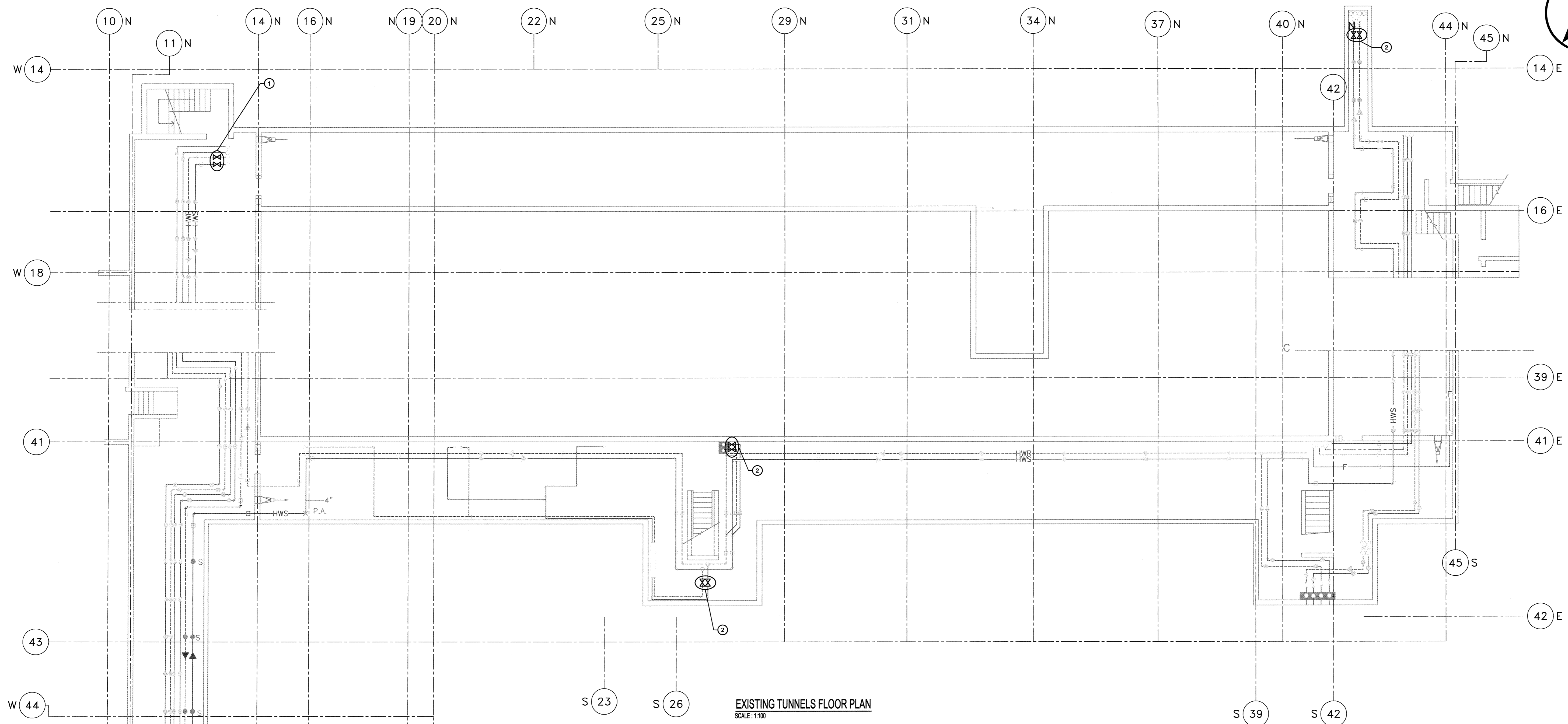
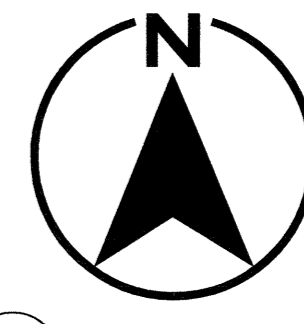
Client/client  
**CORRECTIONAL SERVICE OF CANADA**

Project title/Titre du projet  
**AGASSIZ, BC  
KENT MAXIMUM SECURITY INSTITUTION  
MECHANICAL SYSTEM UPGRADE FOR CELL BLOCKS A through H and J & K**

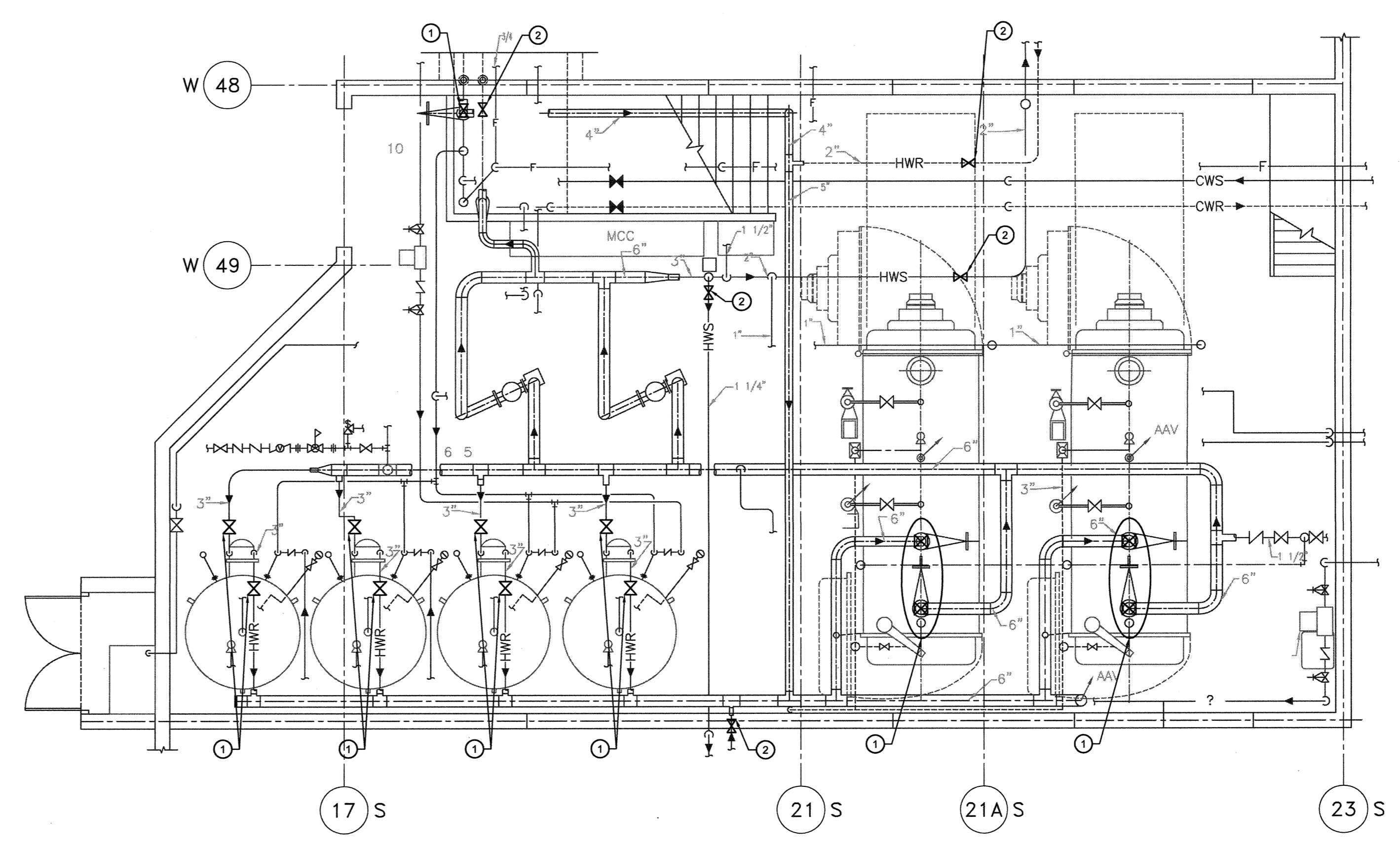
Consultant Signature Box Only  
Designed by/Concept par  
**NK/FH**  
Drawn by/Dessiné par  
**MY/MIL**  
PWGSC Project Manager/Administrateur de Projets TPSGC  
**MARVIN NG**  
PWGSC, Regional Manager, Architectural and Engineering Services / Gestionnaire Régionale, services d'architecture et de génie, TPSGC  
**PREETIPAL PAUL**

Drawing title/Titre du dessin  
**ISOLATION VALVES REPLACEMENT / ADDITION PLAN**

Project No./No. du projet <b>R.077723.001</b>	Sheet/Feuille <b>M8-04</b>	Revision no./No. Révision <b>1</b>
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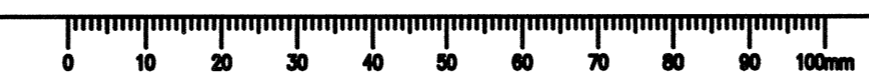


**EXISTING TUNNELS FLOOR PLAN**  
SCALE: 1:100



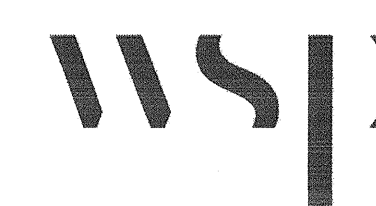
**EXISTING BOILER ROOM**  
SCALE: 1:50

- GENERAL NOTE:**  
1- ALL NEW AND REPLACED VALVES SHALL BE LINE SIZE, UNLESS NOTED OTHERWISE.
- KEY NOTES:**  
① REPLACE EXISTING VALVE(S) WITH NEW  
② PROVIDE NEW VALVE(S) ON EXISTING PIPING

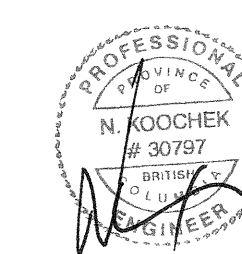
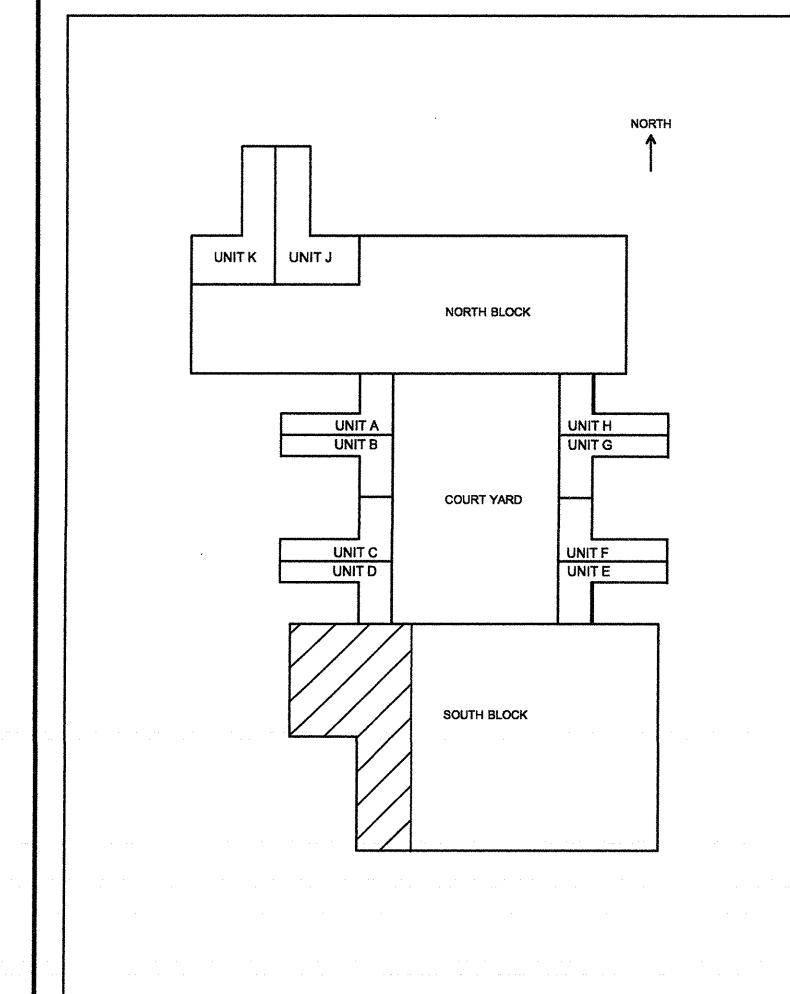




CONSULTANTS:



PROJECT #151-05897-02



1	ISSUED FOR TENDER	2017.08.16
Revision/	Description/Description	Date/Date
Client/client		

**CORRECTIONAL SERVICE OF CANADA**

Project title/Titre du projet  
**AGASSIZ, BC  
 KENT MAXIMUM SECURITY  
 INSTITUTION**  
**MECHANICAL SYSTEM  
 UPGRADE FOR CELL BLOCKS  
 A through H and J & K**

Consultant Signature Box Only

Designed by/Concept par

NK/FH

Drawn by/Dessiné par

MY/ML

PWSSC Project Manager/Administrateur de Projets TPSSC

MARVIN NG

PWSSC, Regional Manager, Architectural and Engineering Services / Gestionnaire régional, Services d'architecture et de génie, TPSSC

PREETIPAL PAUL

Drawing title/Titre du dessin

**ISOLATION VALVES  
 REPLACEMENT / ADDITION PLAN**

Project No./No. du projet

R.077723.001

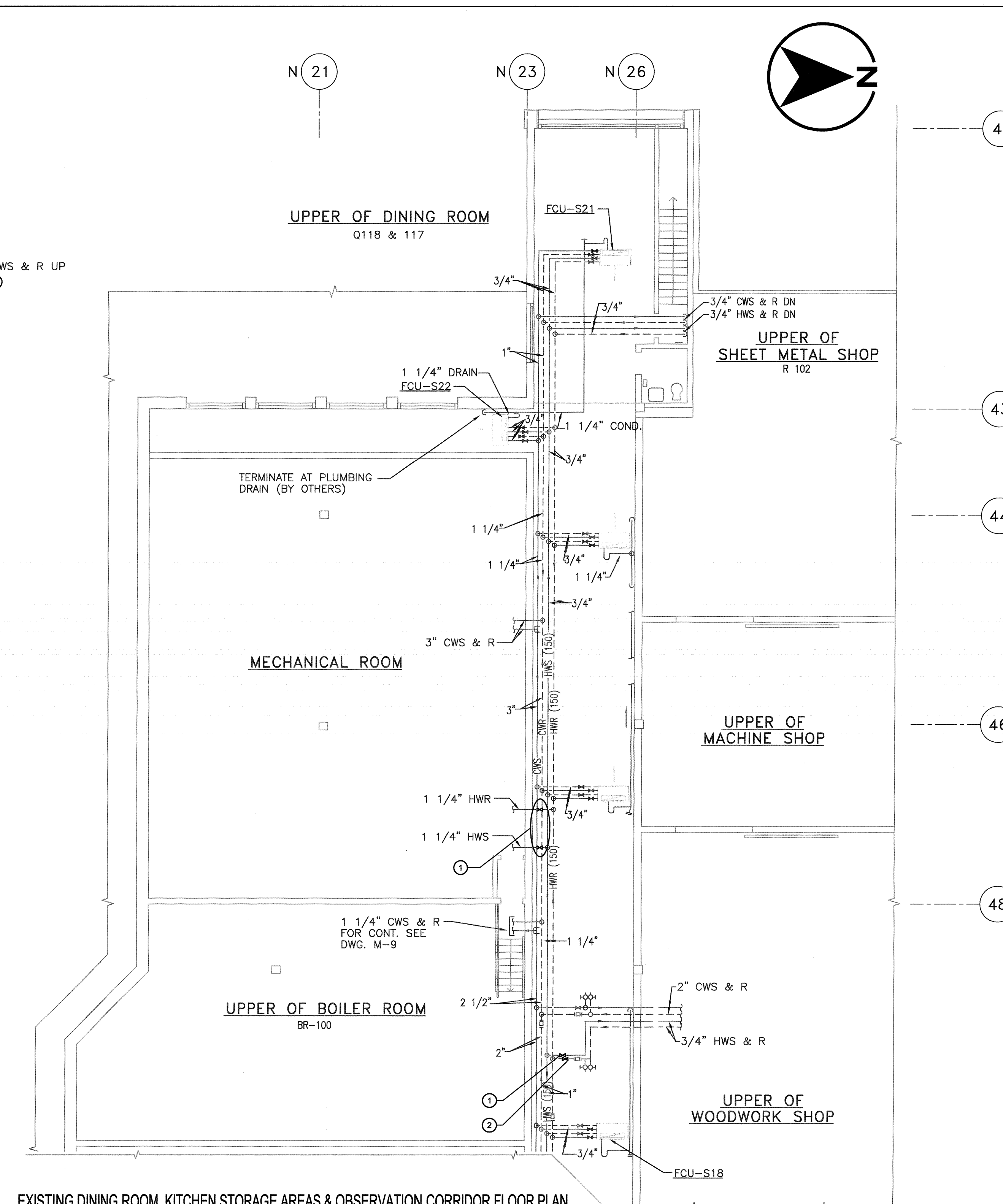
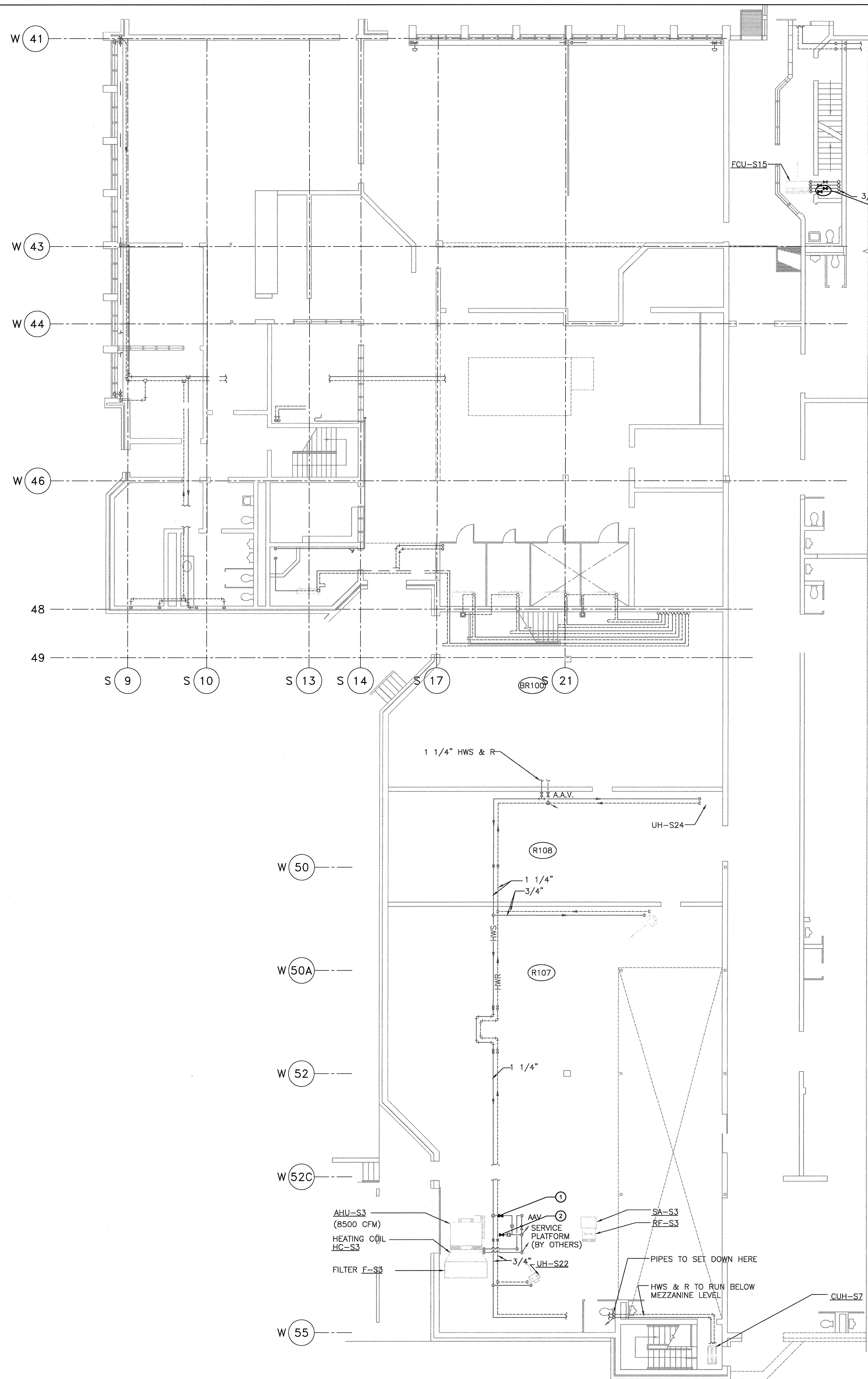
Sheet/Feuille

M8-05

Revision no./

1

34 OF 53



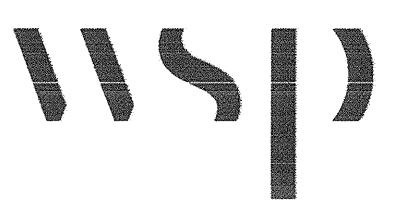
EXISTING DINING ROOM, KITCHEN STORAGE AREAS & OBSERVATION CORRIDOR FLOOR PLAN  
 SCALE: 1:100

EXISTING DINING ROOM, KITCHEN STORAGE AREAS & OBSERVATION CORRIDOR FLOOR PLAN  
 SCALE: 1:100

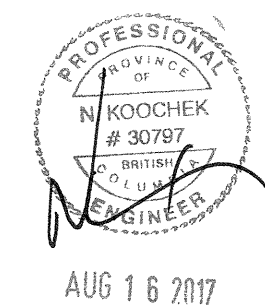
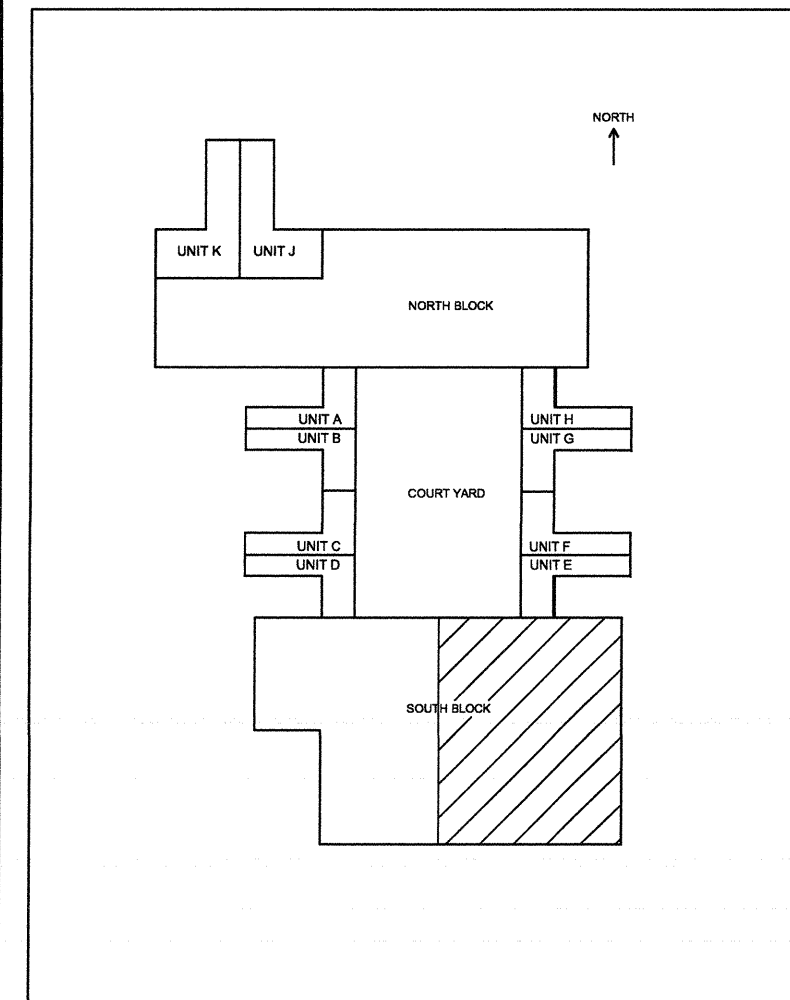
- GENERAL NOTE:**  
 1- ALL NEW AND REPLACED VALVES SHALL BE LINE SIZE, UNLESS NOTED OTHERWISE.
- KEY NOTES:**  
 ① REPLACE EXISTING VALVE(S) WITH NEW  
 ② PROVIDE NEW VALVE(S) ON EXISTING PIPING



CONSULTANTS:



PROJECT #151-05897-02



1	ISSUED FOR TENDER	2017.08.16
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Revision/Modification	Description/Description	Date/Date
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Client/client

**CORRECTIONAL SERVICE OF CANADA**

Project title/Titre du projet

**AGASSIZ, BC KENT MAXIMUM SECURITY INSTITUTION**

**MECHANICAL SYSTEM UPGRADE FOR CELL BLOCKS A through H and J & K**

Consultant Signature Box Only

Designed by/Concept par

NK/FH

Drawn by/Dessiné par

MY/ML

PWSSC Project Manager/Administrateur de Projets TPSSC

MARVIN NG

PWSSC, Regional Manager, Architectural and Engineering Services/Gestionnaire régionale, Services d'architecture et de génie, TPSSC

PREETIPAL PAUL

Drawing title/Titre du dessin

**ISOLATION VALVES REPLACEMENT / ADDITION PLAN**

Project No./No. du projet	Sheet/Feuille	Revision no./Lo. Revision no.
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R.077723.001

M8-06

1

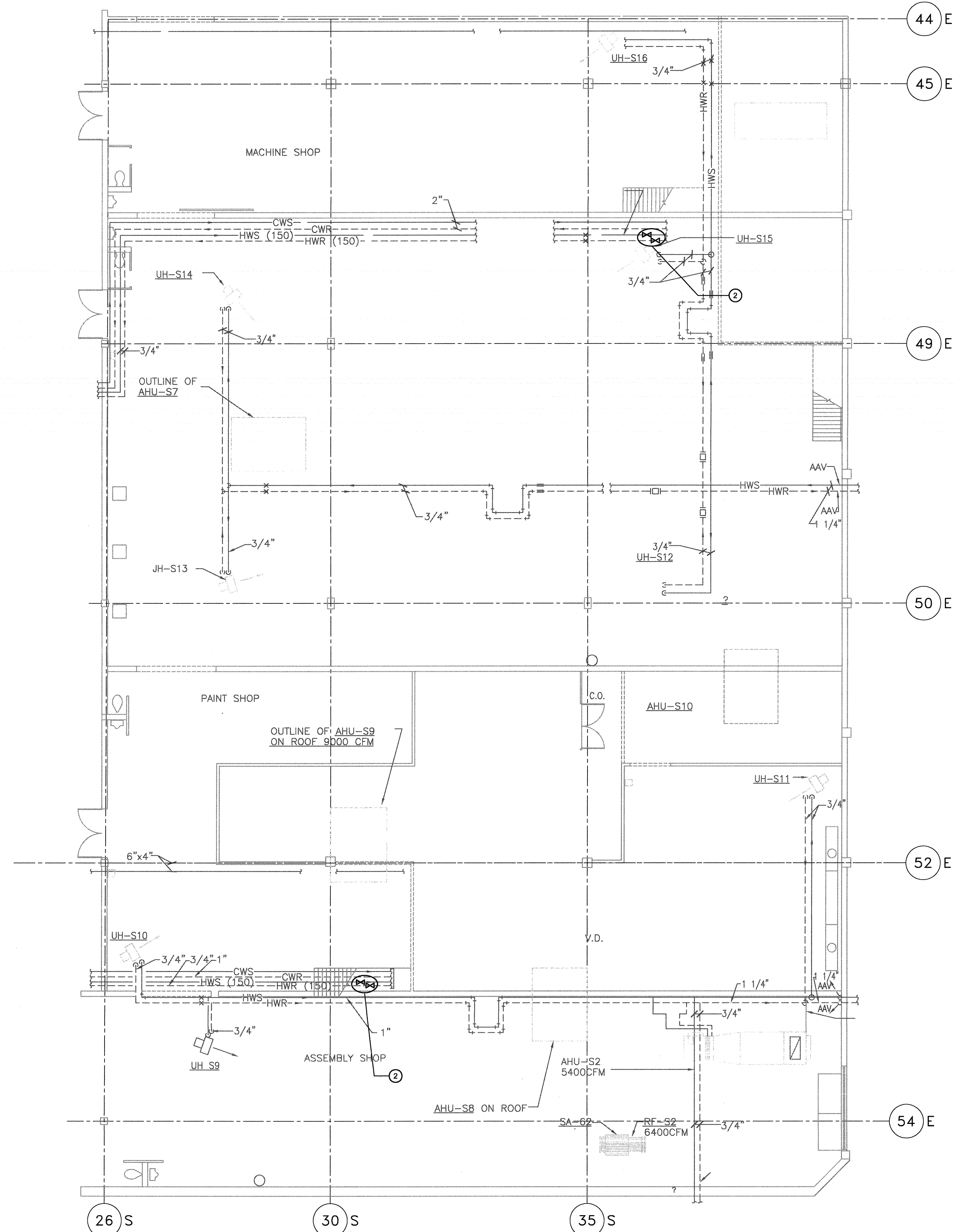
35 OF 53

**GENERAL NOTE:**

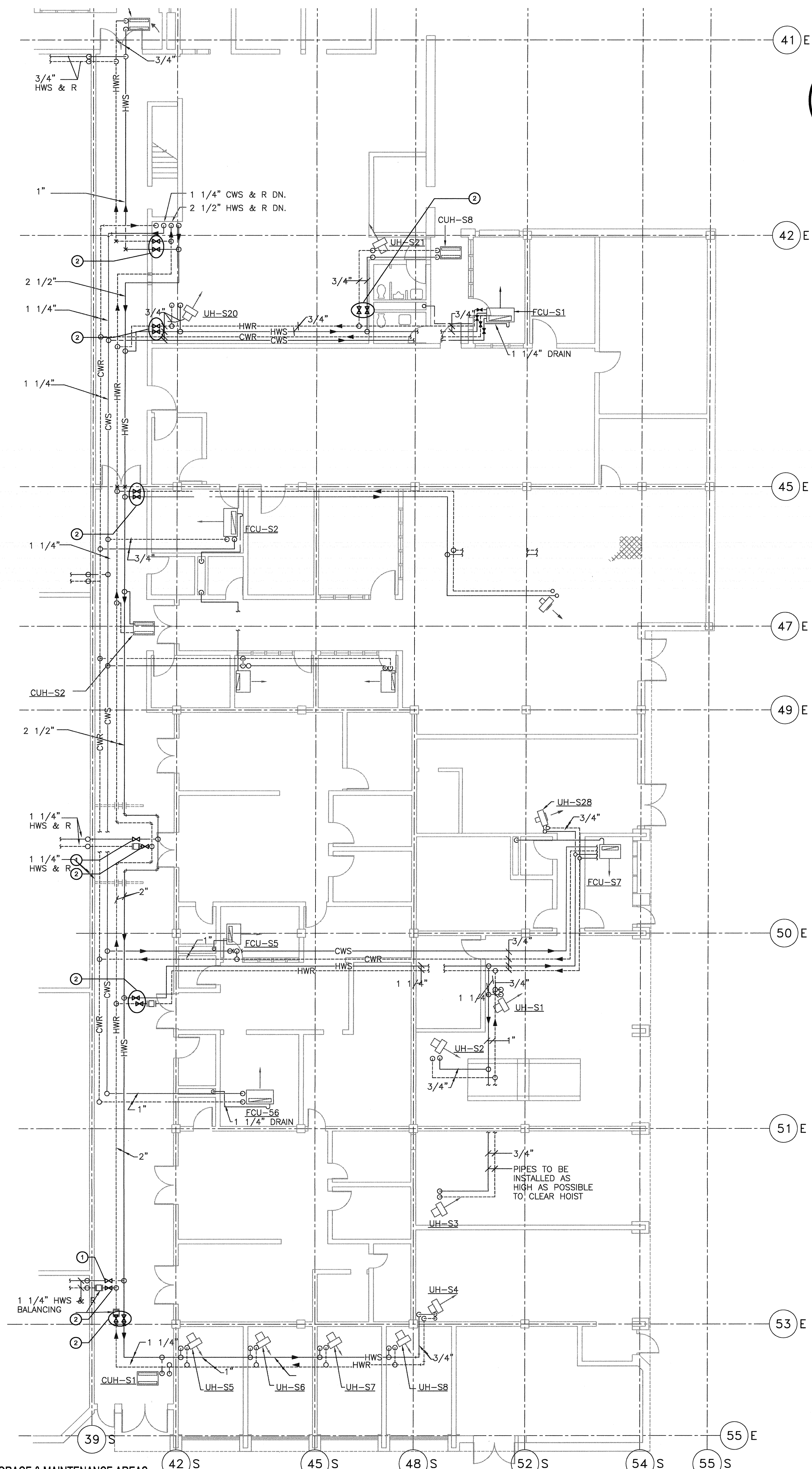
1- ALL NEW AND REPLACED VALVES SHALL BE LINE SIZE, UNLESS NOTED OTHERWISE.

**KEY NOTES:**

- ① REPLACE EXISTING VALVE(S) WITH NEW
- ② PROVIDE NEW VALVE(S) ON EXISTING PIPING



EXISTING WORK SHOP PLAN  
SCALE: 1:100

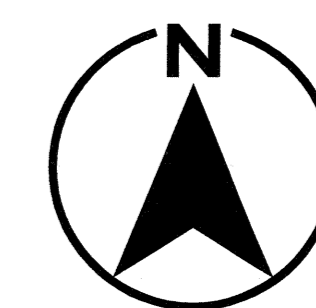


EXISTING TAILORING, STORAGE & MAINTENANCE AREAS  
SCALE: 1:100

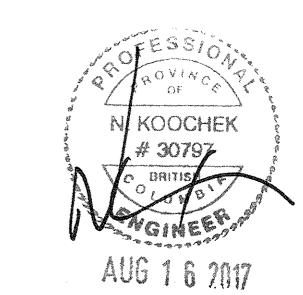
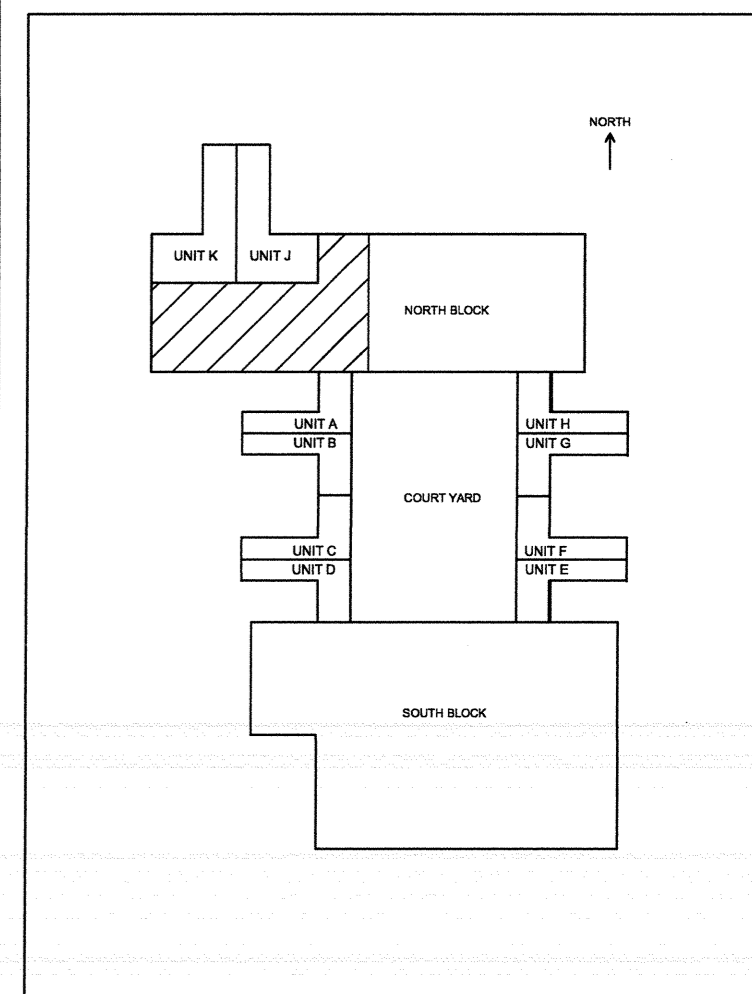




CONSULTANTS:



PROJECT #151-05897-02



1	ISSUED FOR TENDER	2017.08.16
Revision/ Révision	Description/Description	Date/Date
Client/client		

**CORRECTIONAL SERVICE OF CANADA**

Project title/Titre du projet: **AGASSIZ, BC KENT MAXIMUM SECURITY INSTITUTION**  
**MECHANICAL SYSTEM UPGRADE FOR CELL BLOCKS A through H and J & K**

Consultant Signature Box Only

Designed by/Concept par: **NK/FH**

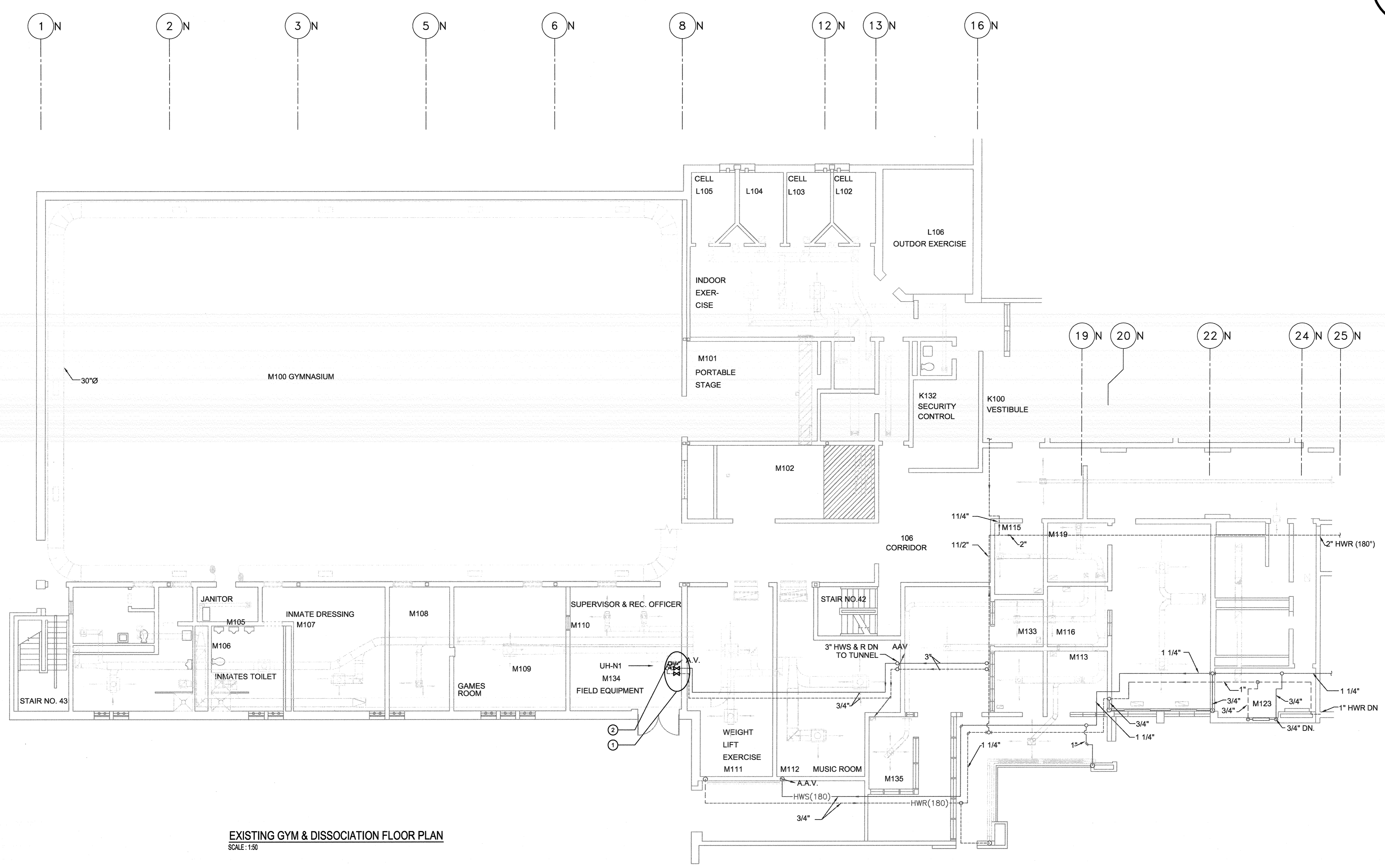
Drawn by/Dessiné par: **MY/ML**

PWSC Project Manager/Administrateur de Projets TPSCC: **MARVIN NG**

PWSC, Regional Manager, Architectural and Engineering Services/Gestionnaire régional, Services d'architecture et de génie, TPSCC: **PREETIPAL PAUL**

Drawing title/Titre du dessin: **ISOLATION VALVES REPLACEMENT / ADDITION PLAN**

Project No./No. du projet: <b>R.077723.001</b>	Sheet/Feuille: <b>M8-07</b>	Revision no./Lo Révision no.: <b>1</b>
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**EXISTING GYM & DISSOCIATION FLOOR PLAN**  
SCALE: 1/50

**GENERAL NOTE:**

1- ALL NEW AND REPLACED VALVES SHALL BE LINE SIZE, UNLESS NOTED OTHERWISE.

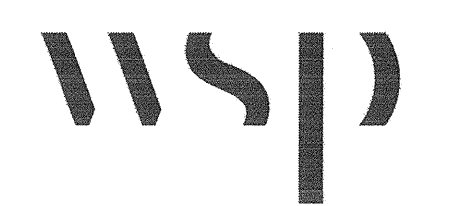
**KEY NOTES:**

- ① REPLACE EXISTING VALVE(S) WITH NEW
- ② PROVIDE NEW VALVE(S) ON EXISTING PIPING

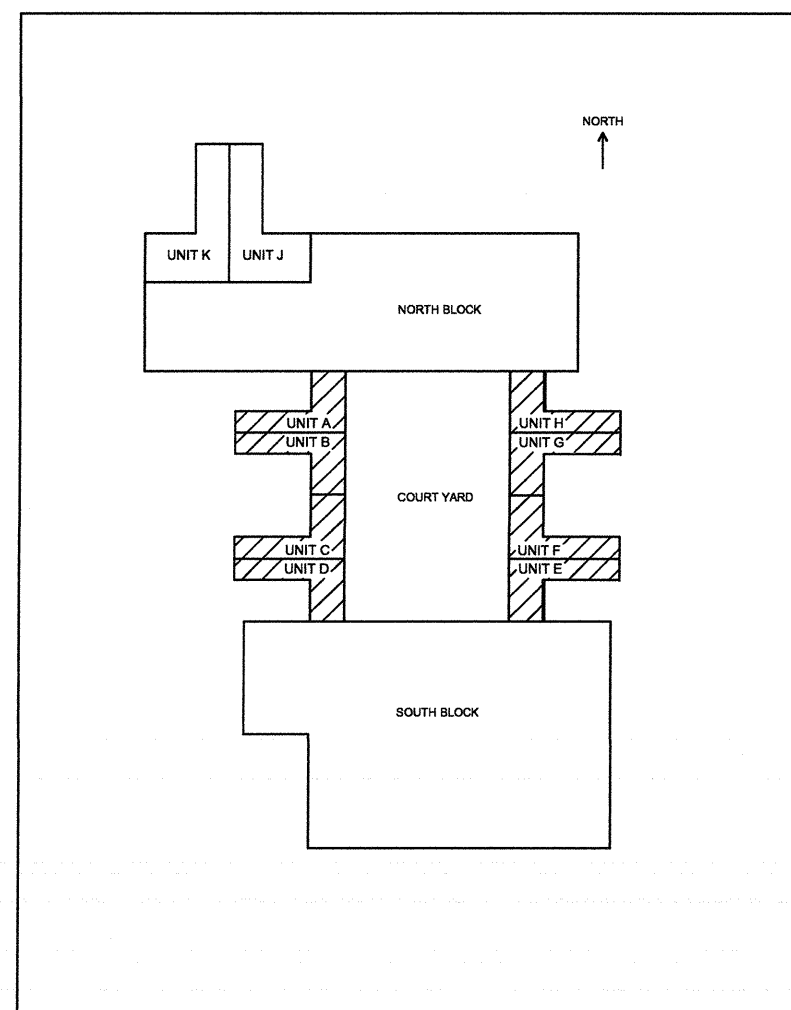




CONSULTANTS:



PROJECT #151-05897-02



1	ISSUED FOR TENDER	2017.08.16
Revision/	Description/Description	Date/Date
Client/client		

**CORRECTIONAL SERVICE OF CANADA**

Project Title/Titre du projet:  
**AGASSIZ, BC  
 KENT MAXIMUM SECURITY INSTITUTION**  
**MECHANICAL SYSTEM  
 UPGRADE FOR CELL BLOCKS  
 A through H and J & K**

Consultant Signature Box Only

Designed by/Concept par  
**NK/FH**

Drawn by/Dessiné par  
**MY/ML**

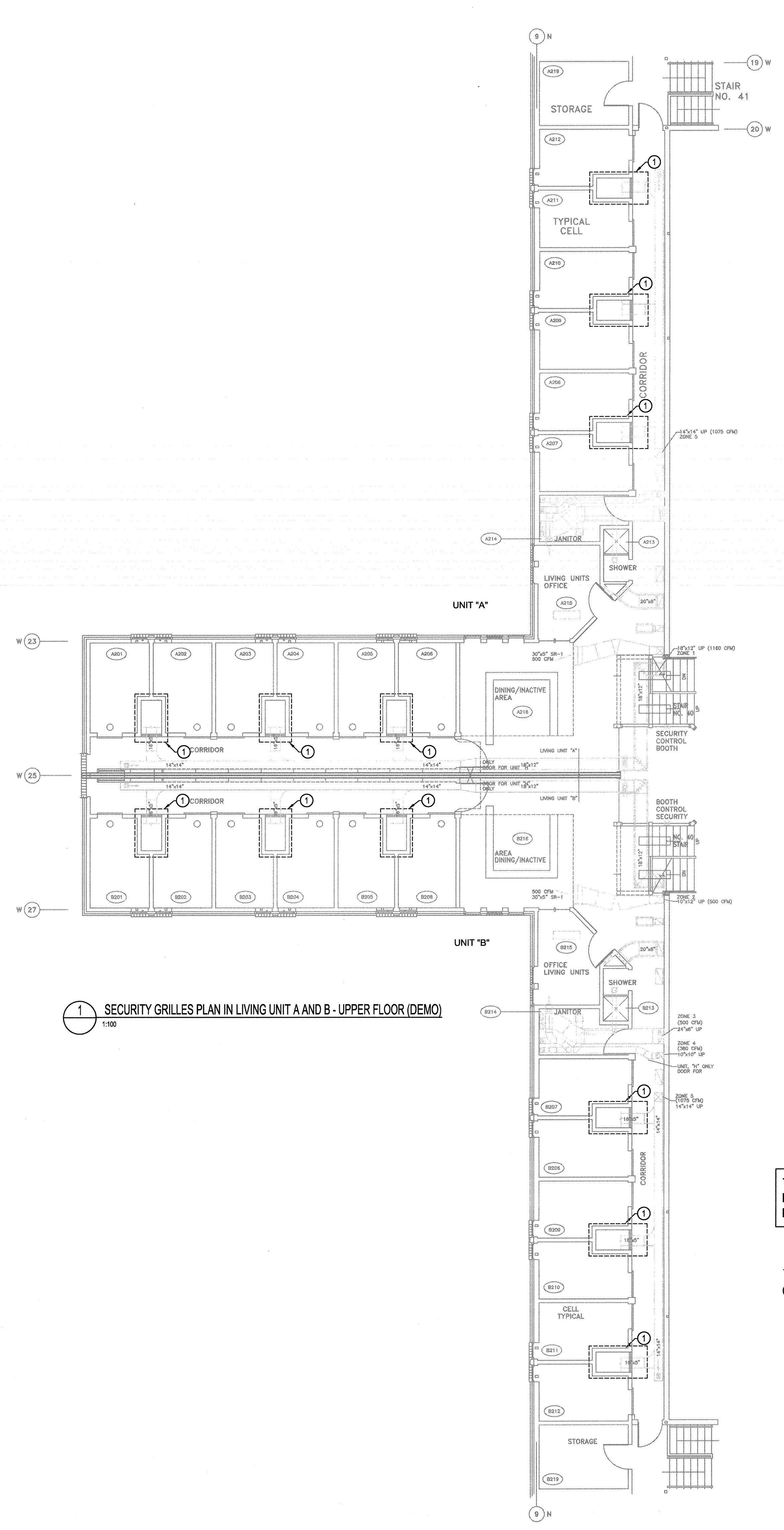
PWSC Project Manager/Administrateur de Projets TPSGC  
**MARVIN NG**

PWSC, Regional Manager, Architectural and Engineering Services/  
 Gestionnaire régionale, Services d'architectural et de génie, TPSGC  
**PREETIPAL PAUL**

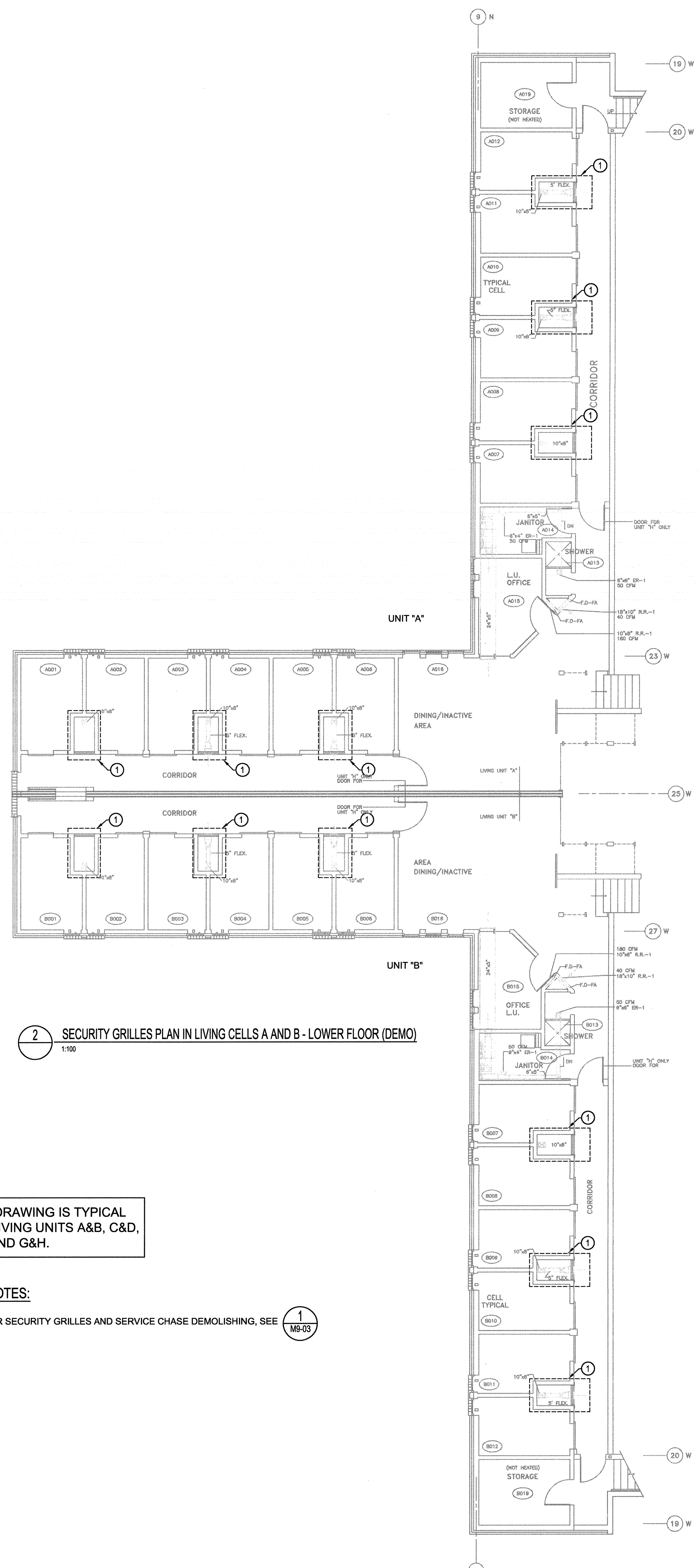
Drawing Title/Titre du dessin

**SECURITY GRILLES REPLACEMENT  
 FOR LIVING UNITS A TO H  
 (DEMO)**

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
<b>R.077723.001</b>	<b>M9-01</b>	<b>1</b>
		37 OF 53



**1 SECURITY GRILLES PLAN IN LIVING UNIT A AND B - UPPER FLOOR (DEMO)**  
 1:100



**2 SECURITY GRILLES PLAN IN LIVING CELLS A AND B - LOWER FLOOR (DEMO)**  
 1:100

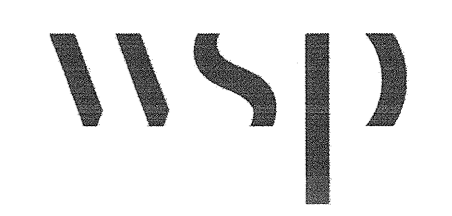
THIS DRAWING IS TYPICAL FOR LIVING UNITS A&B, C&D, E&F AND G&H.

**KEYNOTES:**

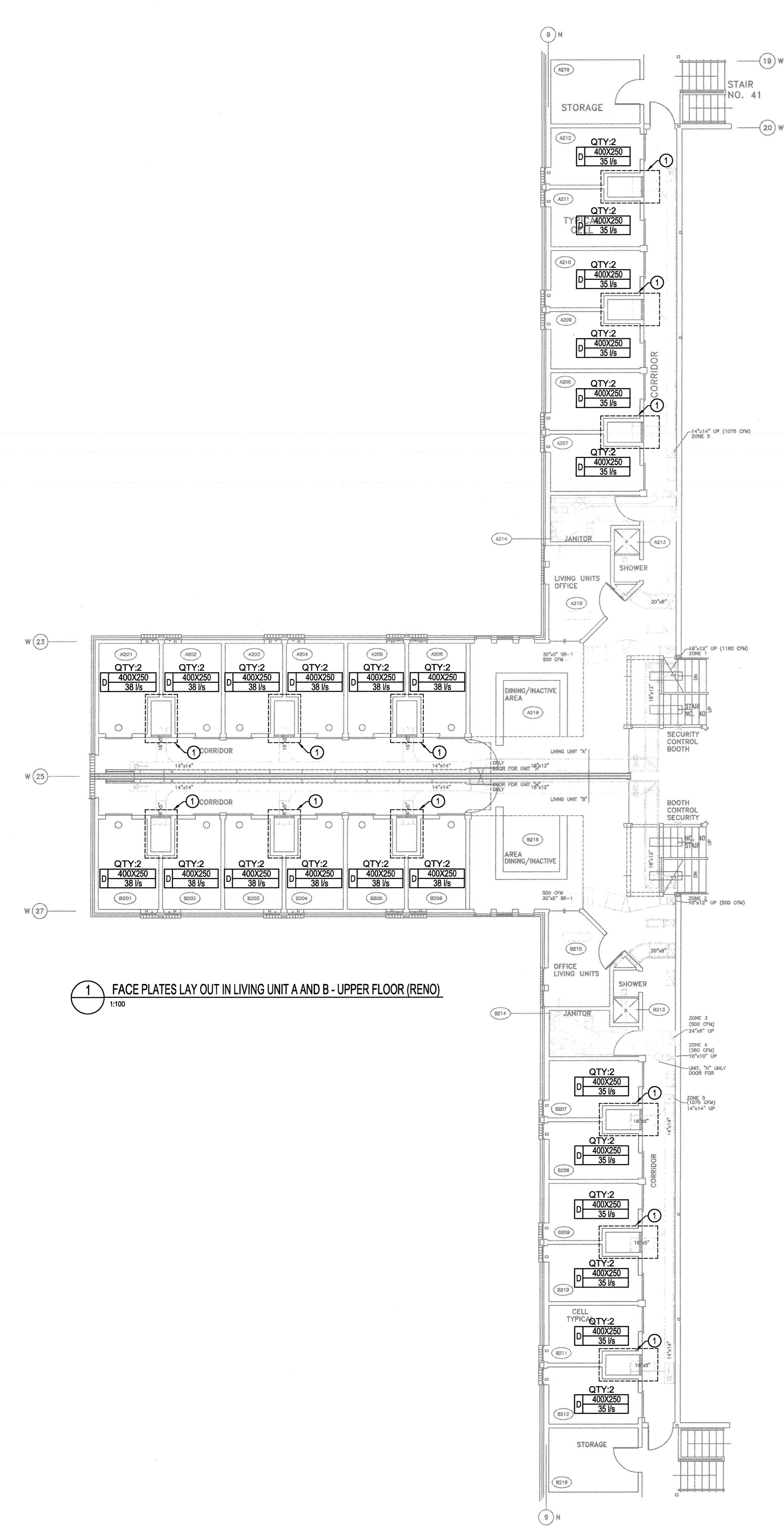
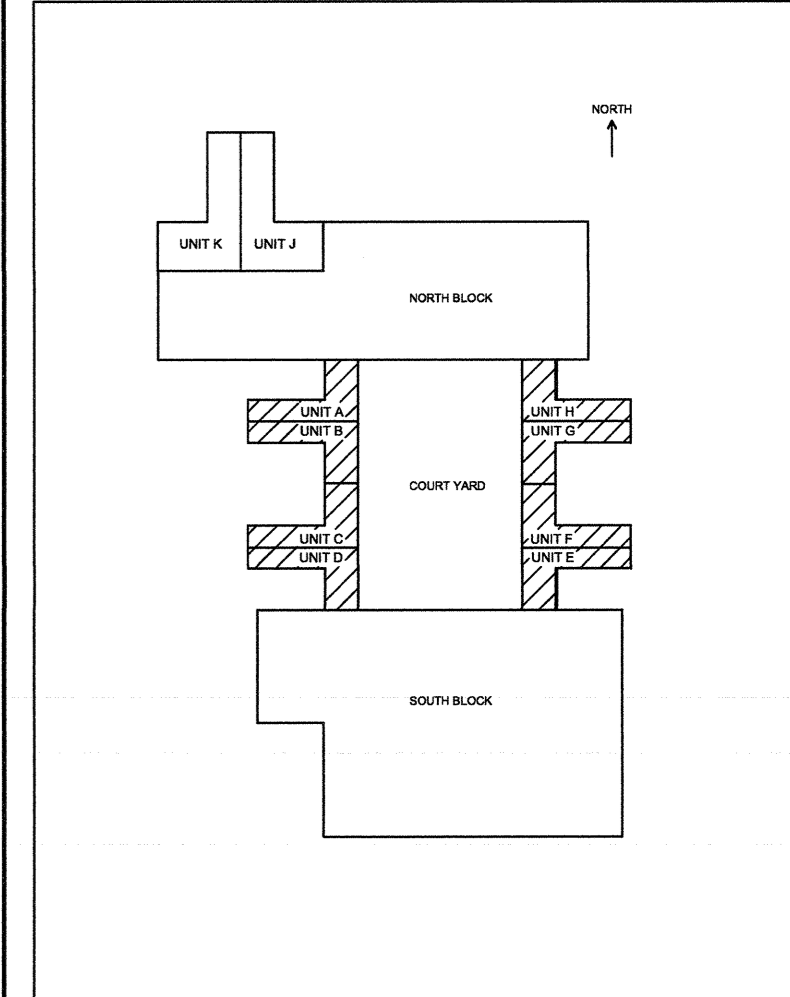
- 1 FOR SECURITY GRILLES AND SERVICE CHASE DEMOLISHING, SEE **1 M8-03**



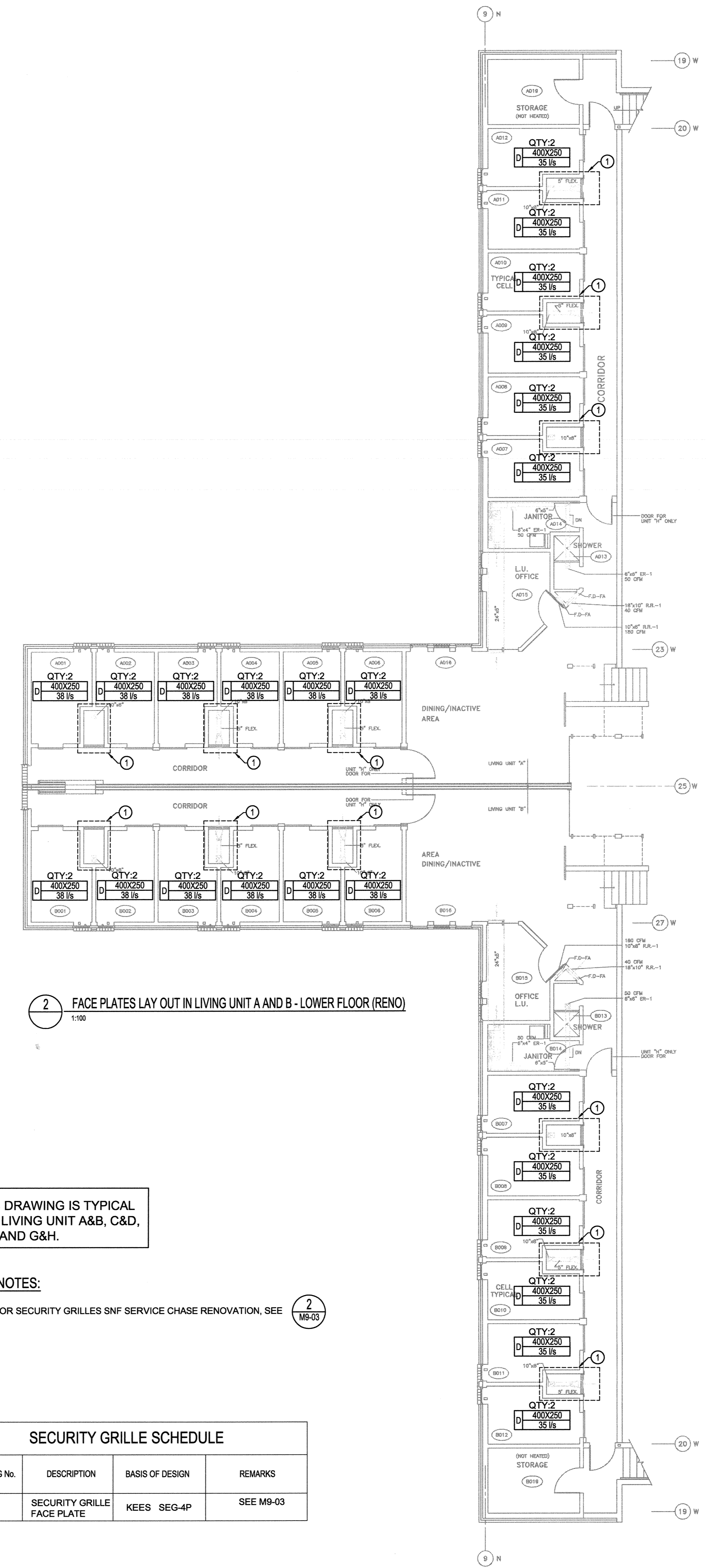
CONSULTANTS:



PROJECT #151-05897-02



1 FACE PLATES LAY OUT IN LIVING UNIT A AND B - UPPER FLOOR (RENO)  
1:100



2 FACE PLATES LAY OUT IN LIVING UNIT A AND B - LOWER FLOOR (RENO)  
1:100

THIS DRAWING IS TYPICAL FOR LIVING UNIT A&B, C&D, E&F AND G&H.

KEYNOTES:

- 1 FOR SECURITY GRILLES SNF SERVICE CHASE RENOVATION, SEE M9-03

SECURITY GRILLE SCHEDULE			
TAG No.	DESCRIPTION	BASIS OF DESIGN	REMARKS
D	SECURITY GRILLE FACE PLATE	KEES SEG-4P	SEE M9-03

1	ISSUED FOR TENDER	2017.08.16
Revision	Description/Description	Date/Date

Client/Client: CORRECTIONAL SERVICE OF CANADA

Project Title/Titre du projet: AGASSIZ, BC KENT MAXIMUM SECURITY INSTITUTION  
MECHANICAL SYSTEM UPGRADE FOR CELL BLOCKS A through H and J & K

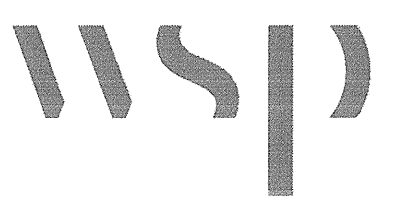
Consultant Signature Box Only  
Designed by/Concept par: NK/FH  
Drawn by/Dessiné par: MY/M.L.  
PWSC Project Manager/Administrateur de Projets TPSCG: MARVIN NG  
PWSC Regional Manager, Architectural and Engineering Services/Gestionnaire Régionale, Services d'architectural et de génie, TPSCG: PREETIPAL PAUL

Drawing Title/Titre du dessin: SECURITY GRILLES REPLACEMENT FOR LIVING UNITS A TO H (RENO)

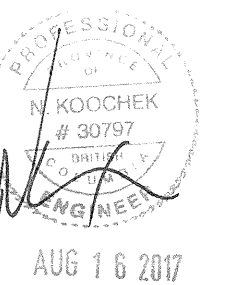
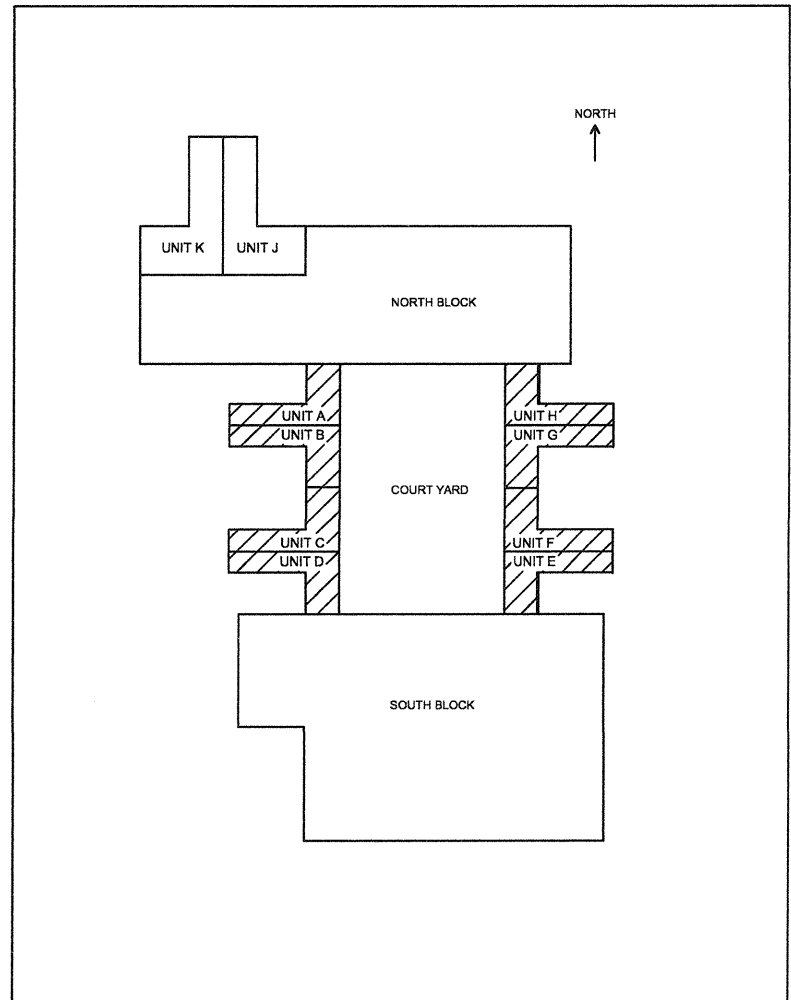
Project No./No. du projet: R.077723.001	Sheet/Feuille: M9-02	Revision no./La Révision no.: 1
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CONSULTANTS:



PROJECT #151-05897-02



1	ISSUED FOR TENDER	2017.08.16
Revision/	Description/Description	Date/Date
Client/client		

**CORRECTIONAL SERVICE OF CANADA**

Project Title/Titre du projet  
**AGASSIZ, BC  
 KENT MAXIMUM SECURITY INSTITUTION  
 MECHANICAL SYSTEM UPGRADE FOR CELL BLOCKS A through H and J & K**

Consultant Signature Box Only

Designed by/Concept par

NK/FH

Drawn by/Dessiné par

MY/ML

PWGSC Project Manager/Administrateur de Projets TPSSC

MARVIN NG

PWGSC, Regional Manager, Architectural and Engineering Services/ Gestionnaire régional, Services d'architecture et de génie, TPSSC

PREETIPAL PAUL

Drawing title/Titre du dessin

**SECURITY GRILLES REPLACEMENT FOR LIVING UNITS A TO H SECTIONS ( DEMO & RENO)**

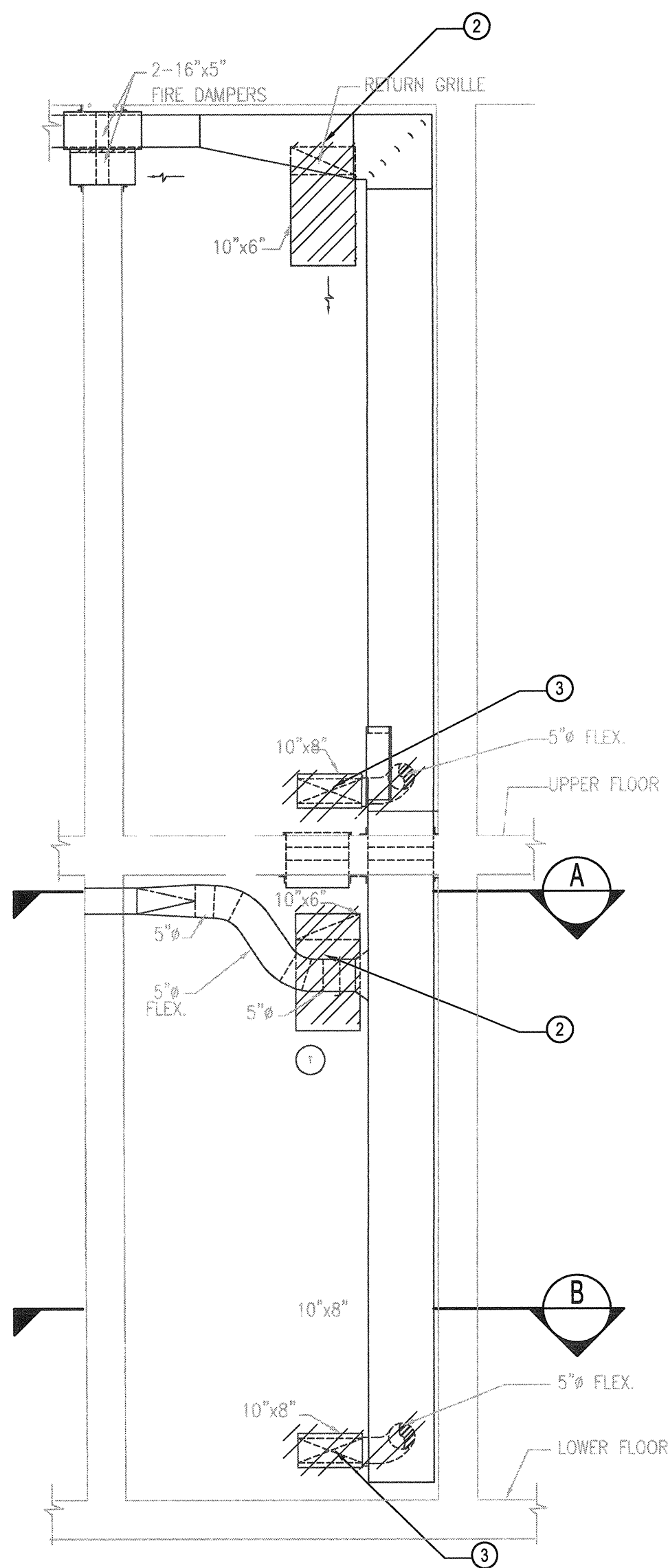
Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision No.
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R.077723.001

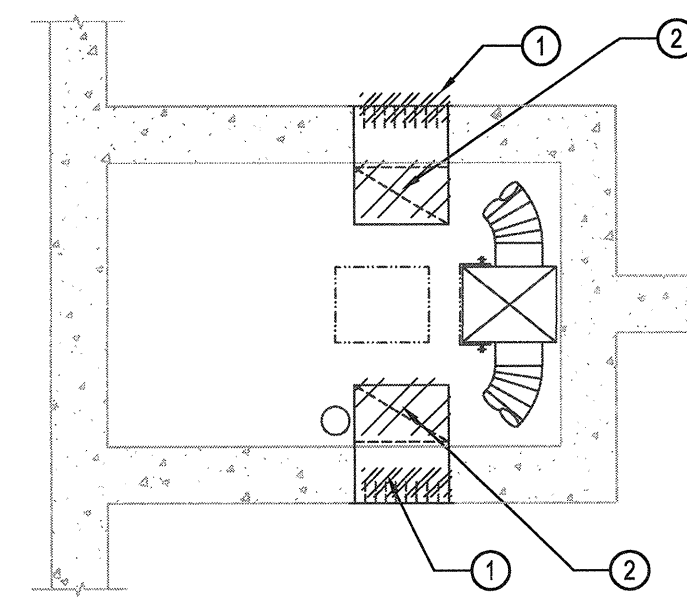
M9-03

1

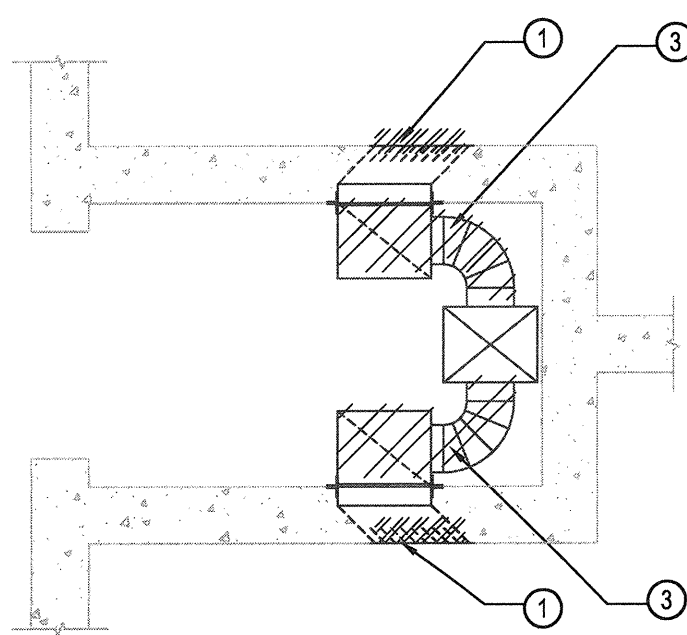
39 OF 53



1 SECTION THROUGH SERVICE CHASE (DEMO) 1:20



A DEMO PLAN - RETURN 1:20



B DEMO PLAN - SUPPLY 1:20

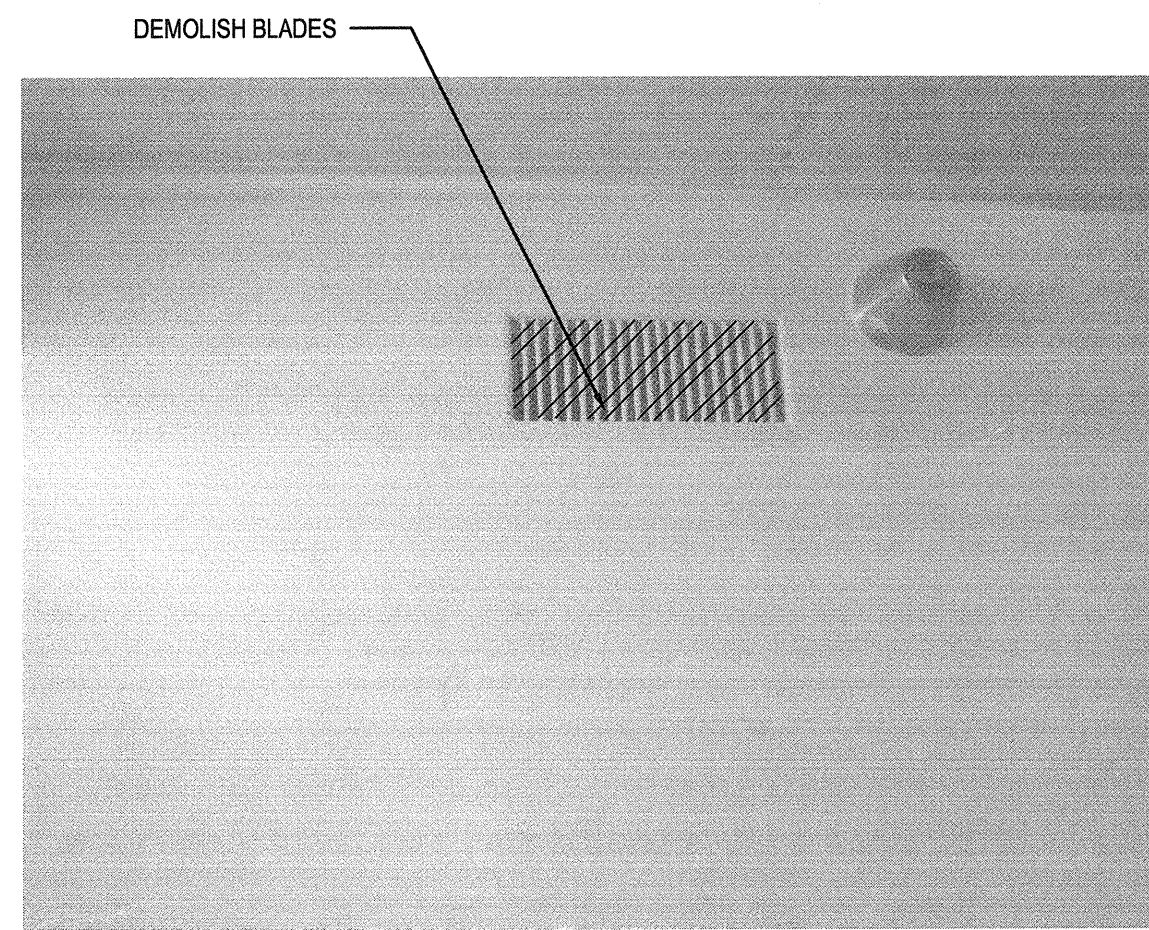


PHOTO-1 SHOWING RETURN GRILLE DEMO

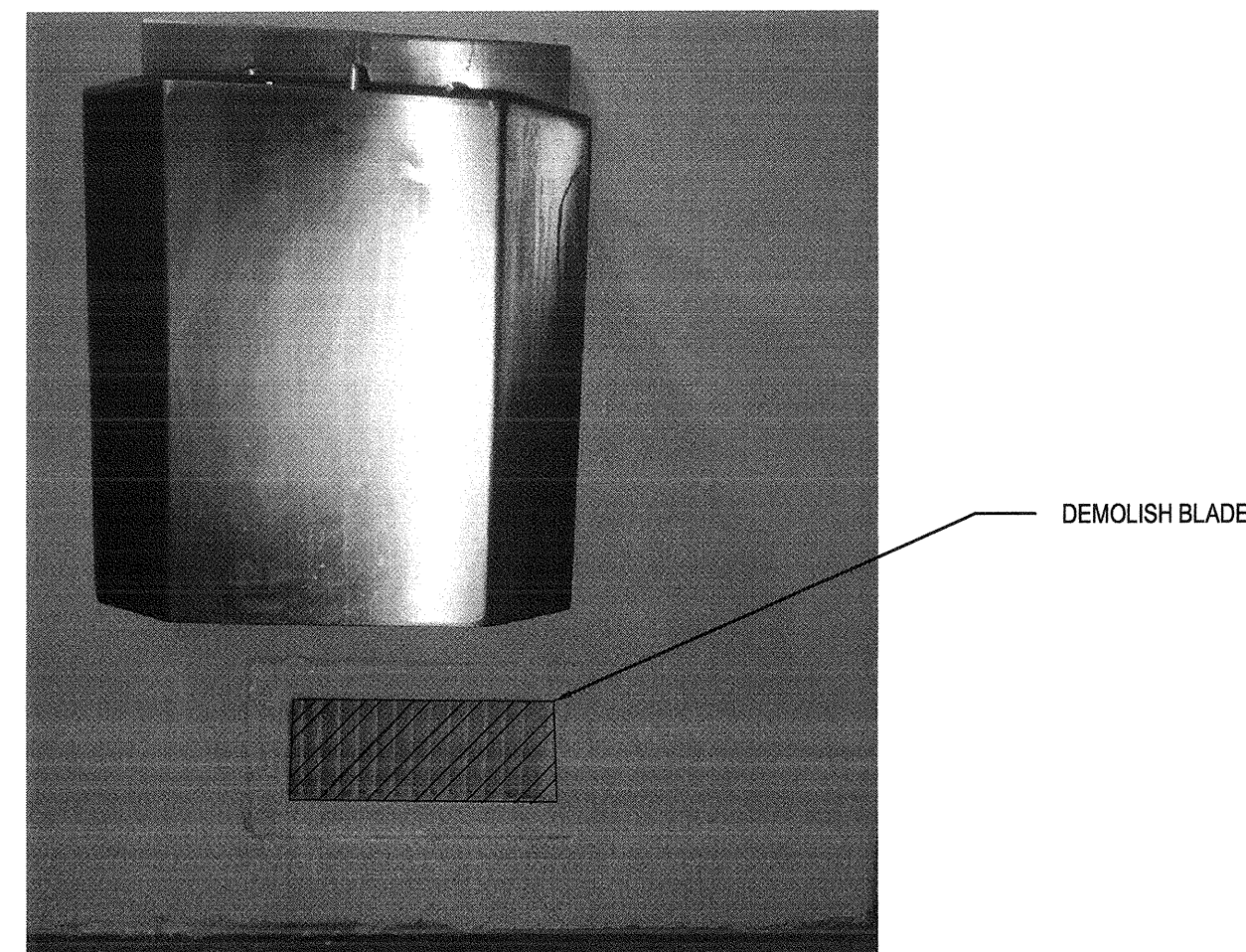


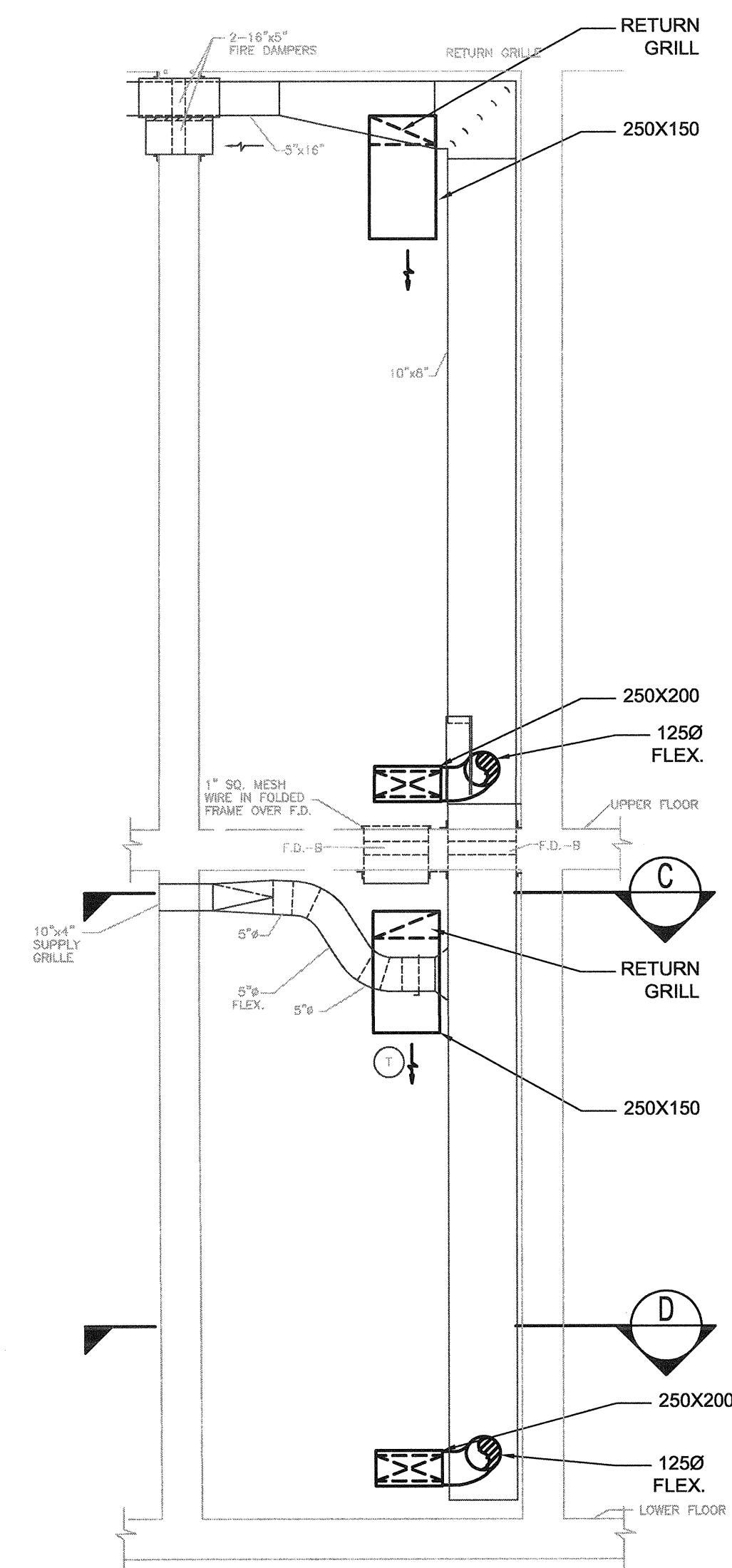
PHOTO-2 SHOWING SUPPLY GRILLE DEMO

**GENERAL NOTES**

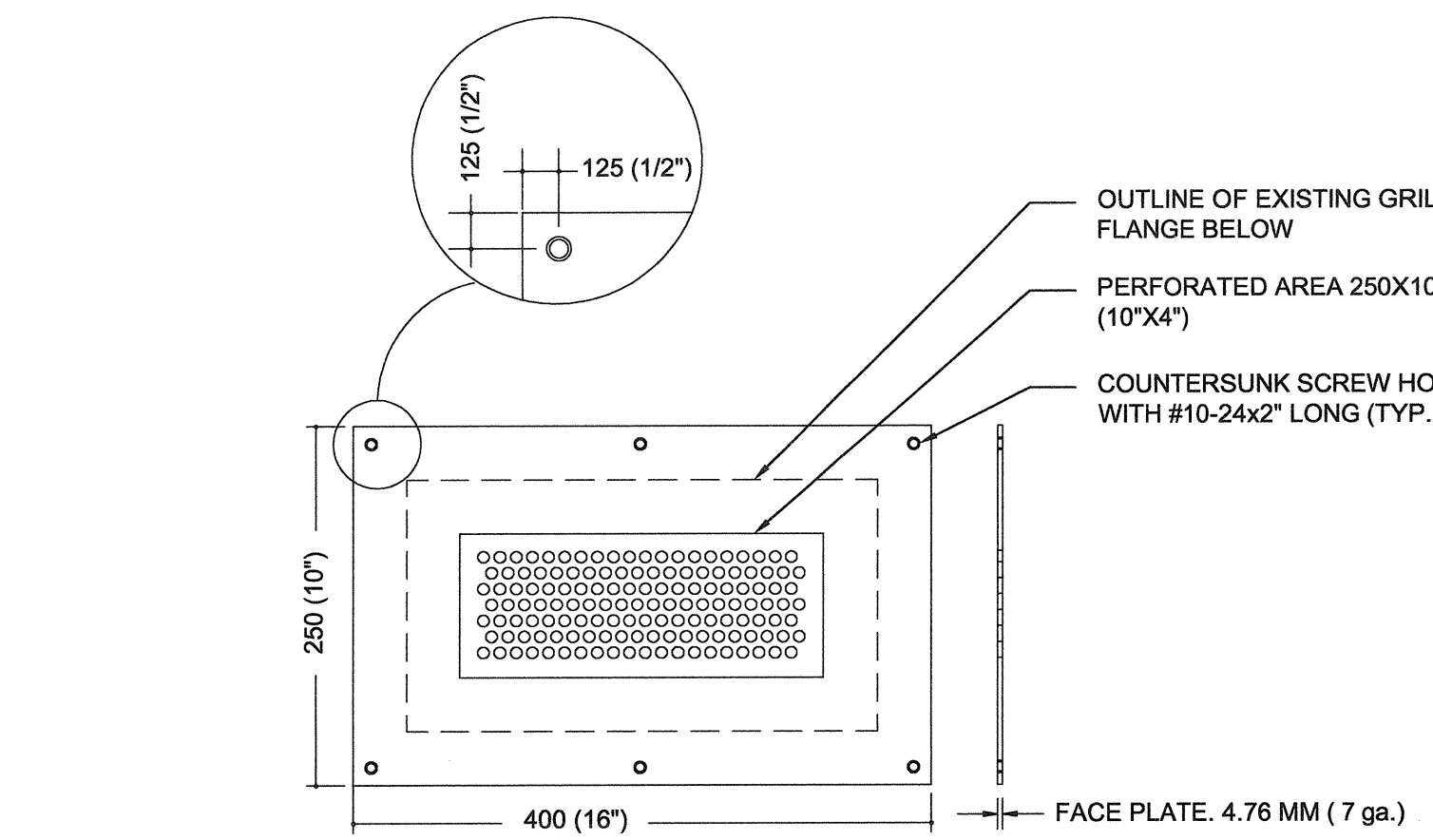
1- BEFORE ORDERING THE GRILLES, MAKE A PROTOTYPE WITH PANEL BOARD FOR APPLICABLE SIZE OF GRILLES AND APPROVAL.

**KEY NOTES**

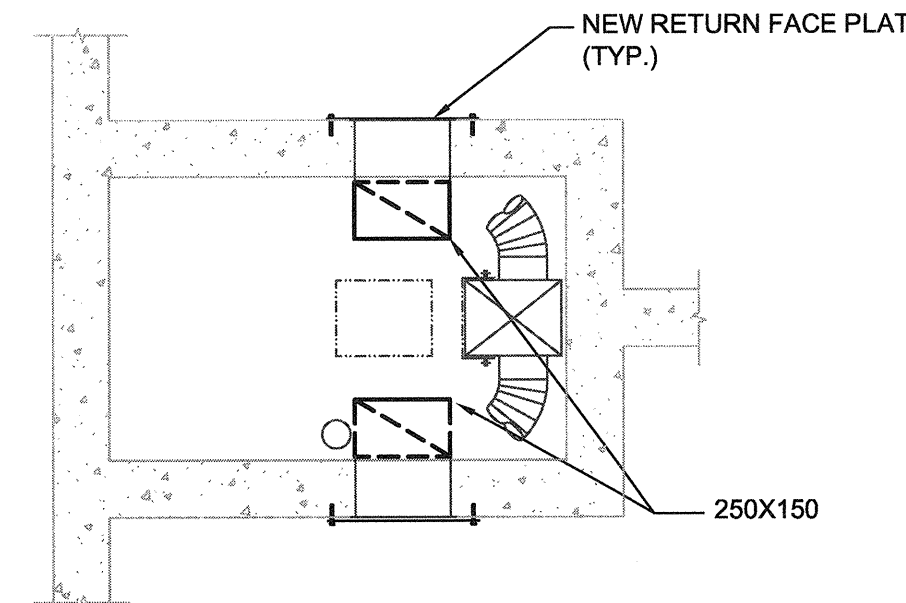
- 1 DEMOLISH THE BLADES FROM EXISTING RETURN AND SUPPLY GRILLE, SEE PHOTO-1&2.
- 2 DEMOLISH RETURN DUCT.
- 3 DEMOLISH SUPPLY DUCT.
- 4 APPLY PICK-PROOF AND TAMPER-PROOF SECURITY SEALANT WITH SHORE HARDNESS OF NOT LESS THAN 70 ALL AROUND AND BELOW THE GRILLES FLANGE IN CONTACT WITH CONCRETE.



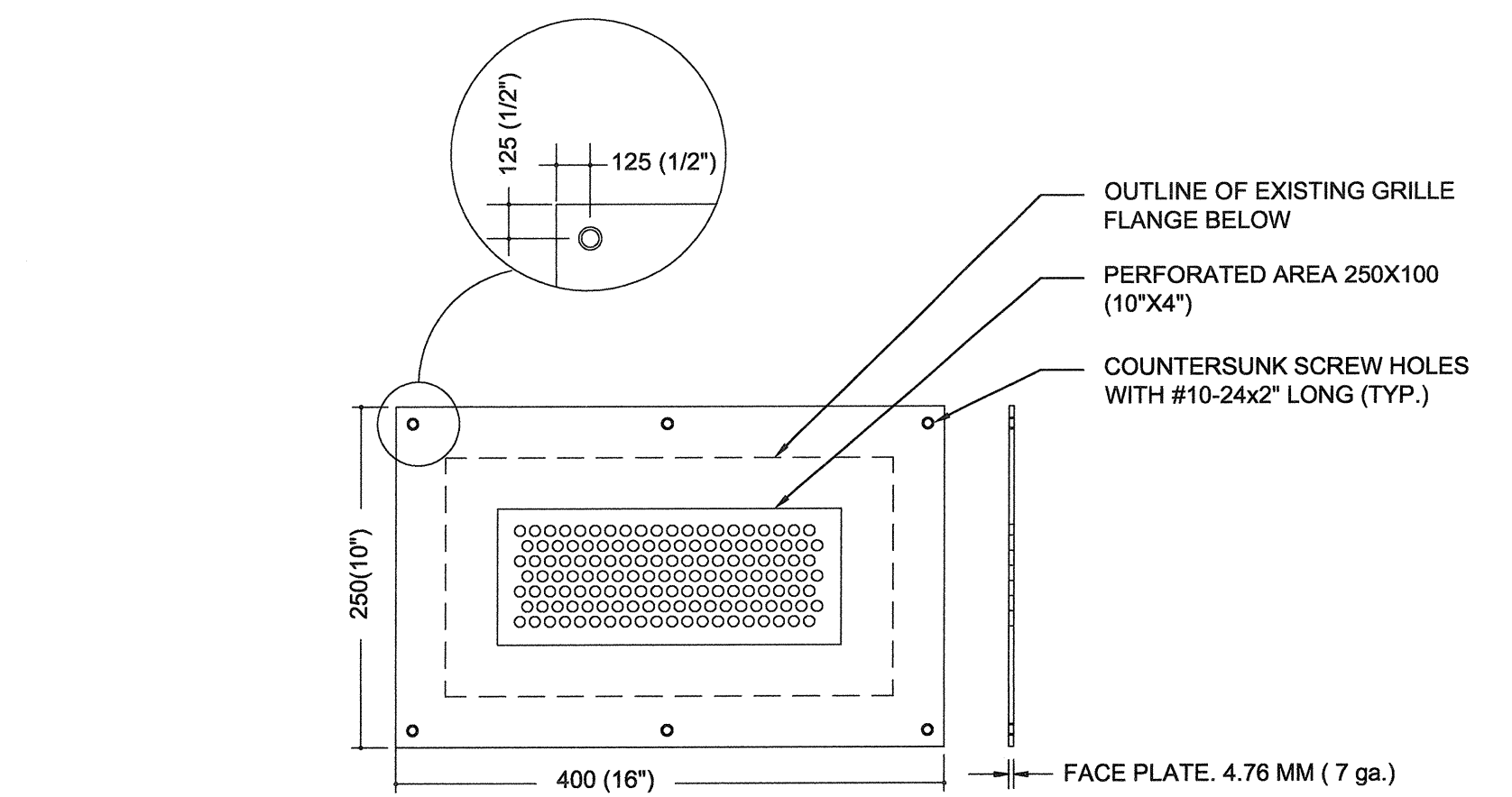
2 SECTION THROUGH SERVICE CHASE (RENO) 1:20



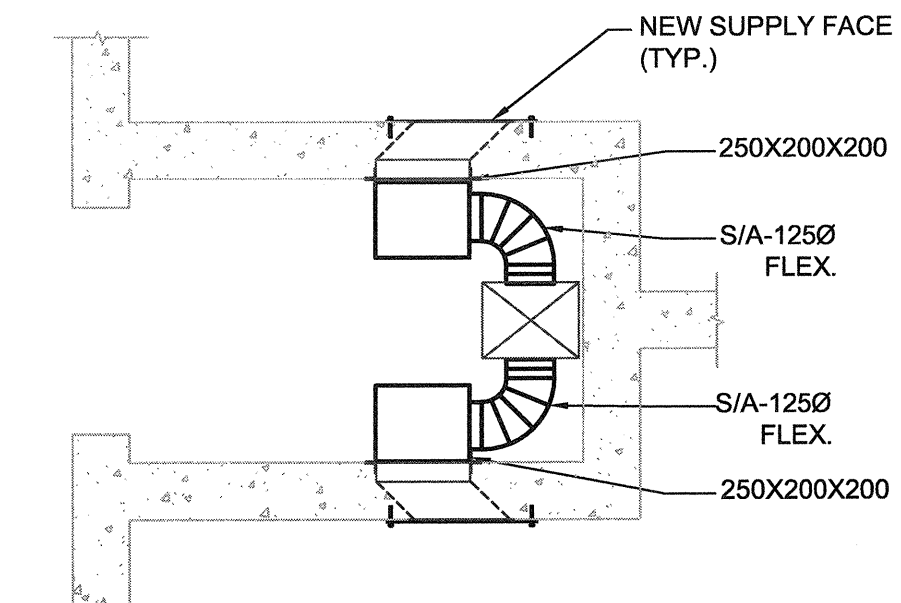
NEW RETURN PERFORATED FACE PLATE INSTALLATION DETAIL 1:5



C RETURN SYSTEM IN SERVICE CHASE (RENO) 1:20



NEW SUPPLY PERFORATED FACE PLATE INSTALLATION DETAIL 1:5



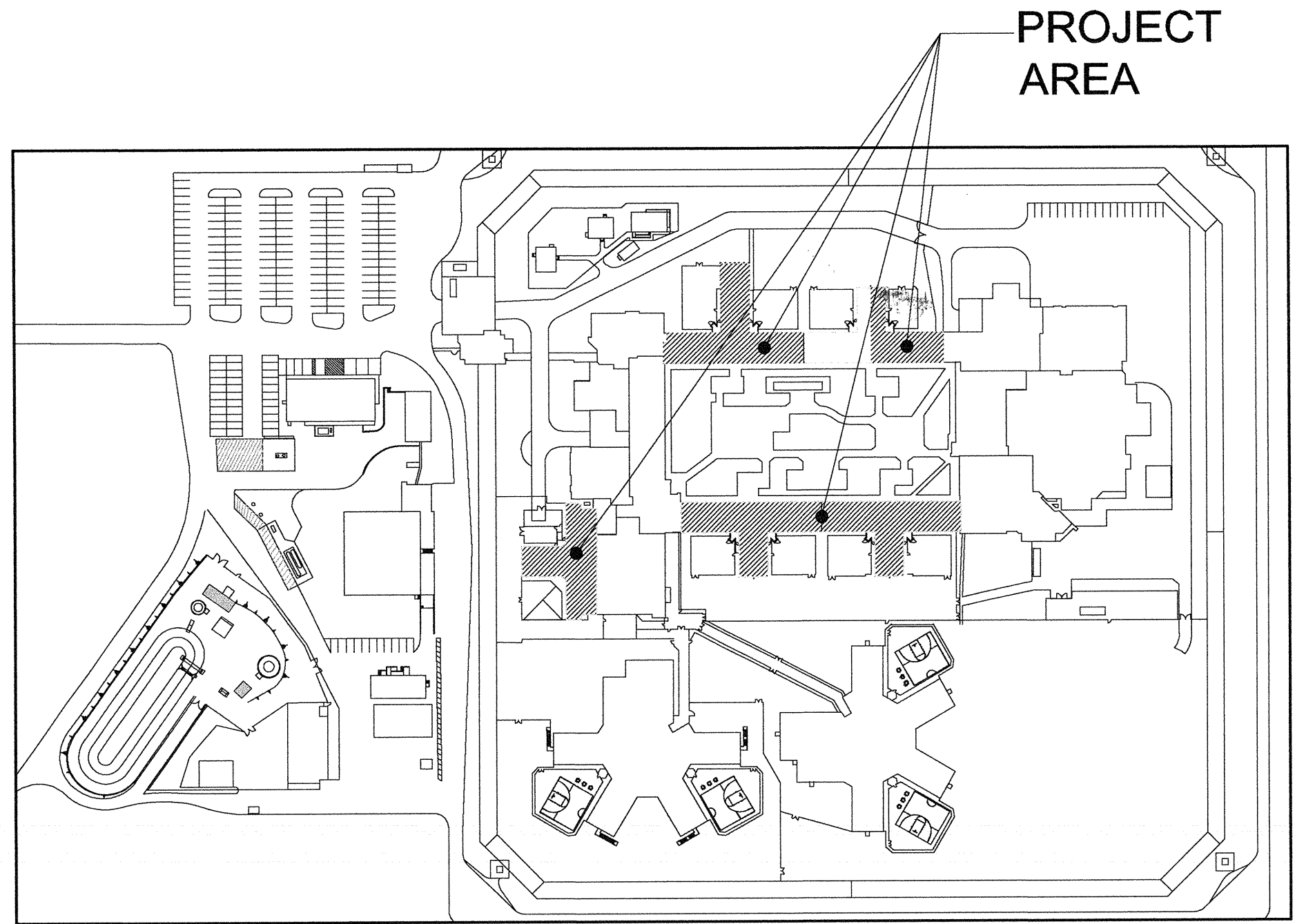
D SUPPLY SYSTEM IN SERVICE CHASE (RENO) 1:20



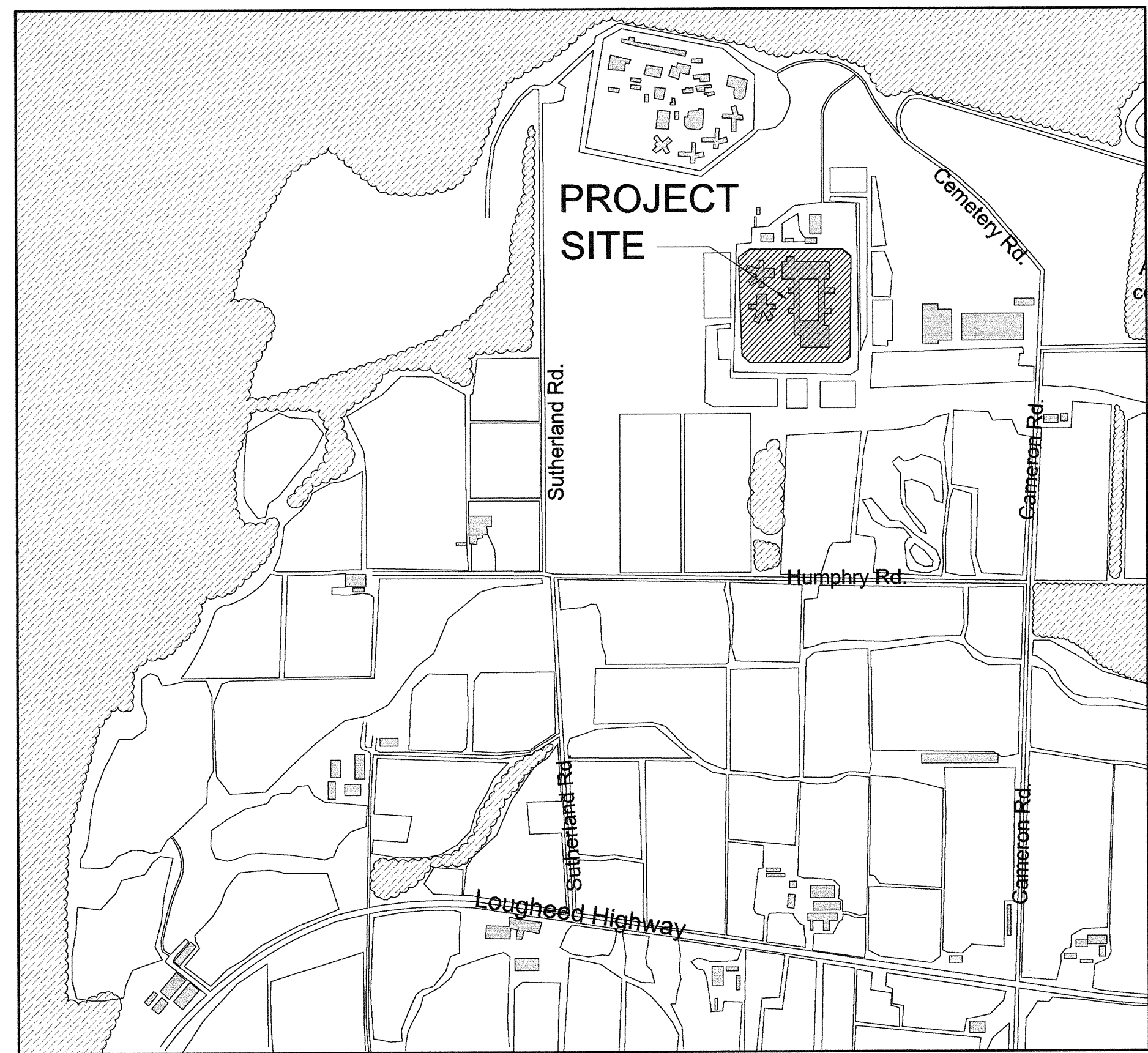
CONSULTANTS:



PROJECT #115616385



2 PROJECT AREA  
P0-00 N.T.S. NORTH



1 LOCATION PLAN  
P0-00 N.T.S. NORTH

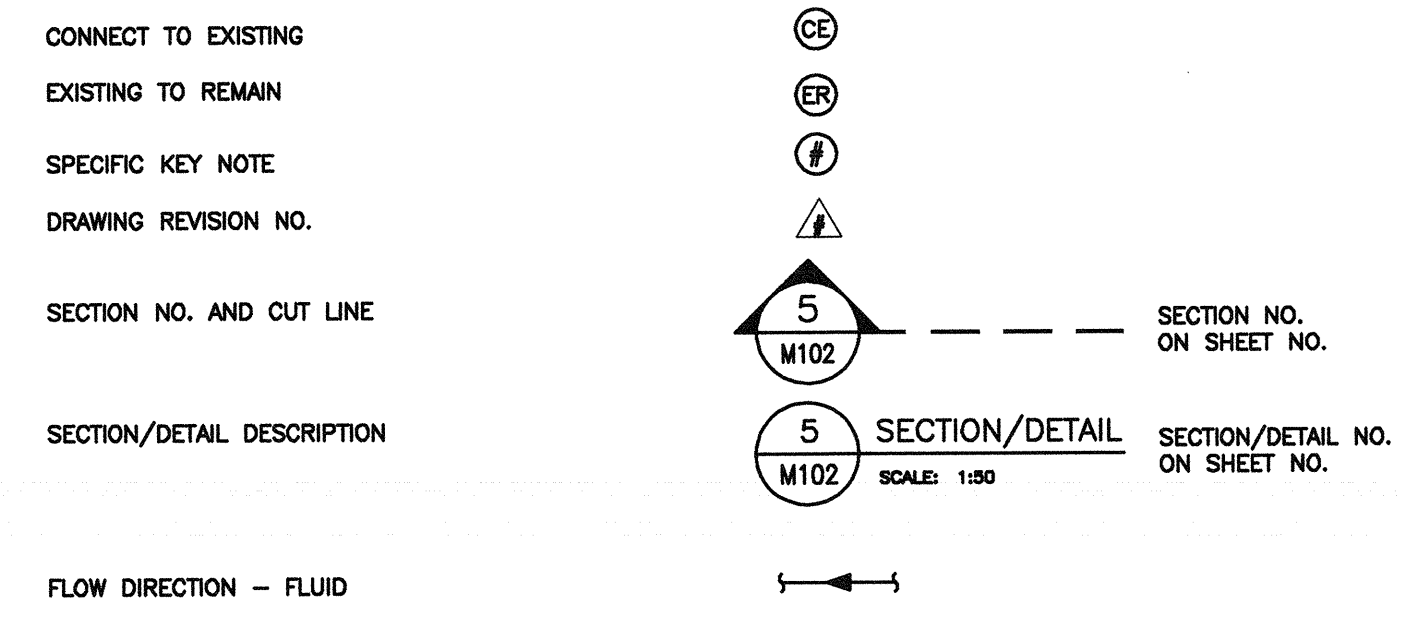
**GENERAL NOTES :**

- THESE CONTRACT DRAWINGS ARE IN PART DIAGRAMMATIC, INTENDED TO CONVEY THE SCOPE OF WORK AND INDICATE GENERAL ARRANGEMENT OF EQUIPMENT AND PIPING. THE CONTRACTOR SHALL CONFIRM AND LAY-OUT EXACT LOCATIONS, SIZES, AND ELEVATIONS OF ALL CRITICAL LOCATIONS AND DIMENSIONS AT THE SITE AND PROVIDE ANY NECESSARY OFFSETS AND ADJUSTMENTS TO SUIT SITE CONDITIONS AND AVOID CONFLICT WITH OTHER TRADES PRIOR TO COMMENCING WITH WORK.
- ALL TRADES TO CLOSELY COORDINATE ALL WORK WITH THE PRIME CONTRACTOR, AS WELL AS ALL OTHER AFFECTED SUB-TRADES.
- THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO BE COMPLEMENTARY. ANYTHING CALLED FOR IN THE SPECIFICATIONS OR SHOWN ON THE DRAWINGS SHALL BE CONSIDERED AS APPEARING IN BOTH. EACH DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWINGS FROM ALL OTHER DISCIPLINES, AS WELL AS WITH ALL APPLICABLE SECTIONS OF THE SPECIFICATIONS.
- UNLESS OTHERWISE SPECIFIED, ALL MATERIALS AND EQUIPMENT REQUIRED FOR THIS WORK SHALL BE NEW, OF GOOD QUALITY AND SHALL BE FURNISHED, DELIVERED, ERECTED, CONNECTED AND FINISHED IN EVERY DETAIL, AND SHALL BE SELECTED AND ARRANGED SO AS TO FIT PROPERLY INTO THE BUILDING SPACES. WHERE NO SPECIFIC KIND OR QUALITY OF MATERIAL IS GIVEN, A GOOD STANDARD ITEM AS APPROVED BY THE CONSULTANT SHALL BE FURNISHED. WHERE SPECIFIC INSTALLATION METHOD IS NOT GIVEN, INSTALL IN ACCORDANCE WITH GOOD PRACTICE.
- USE SKILLED AND QUALIFIED, FITTERS, PLUMBERS, METAL WORKERS, WELDERS, HELPERS, AND LABOURERS REQUIRED TO UNLOAD, TRANSFER, ERECT, CONNECT UP, ADJUST, START, OPERATE AND TEST SUCH SYSTEMS. HELPERS AND UNQUALIFIED WORKERS SHALL BE DIRECTLY SUPERVISED AT ALL TIMES WHILE WORKING ON THE SITE BY QUALIFIED TRADES PERSONS.
- PATCH AND MAKE GOOD ALL CEILINGS, ROOFS, WALLS, FLOORS, AND ALL ARCHITECTURAL FEATURES ALTERED OR REMOVED IN THE PERFORMANCE OF THE WORK. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.

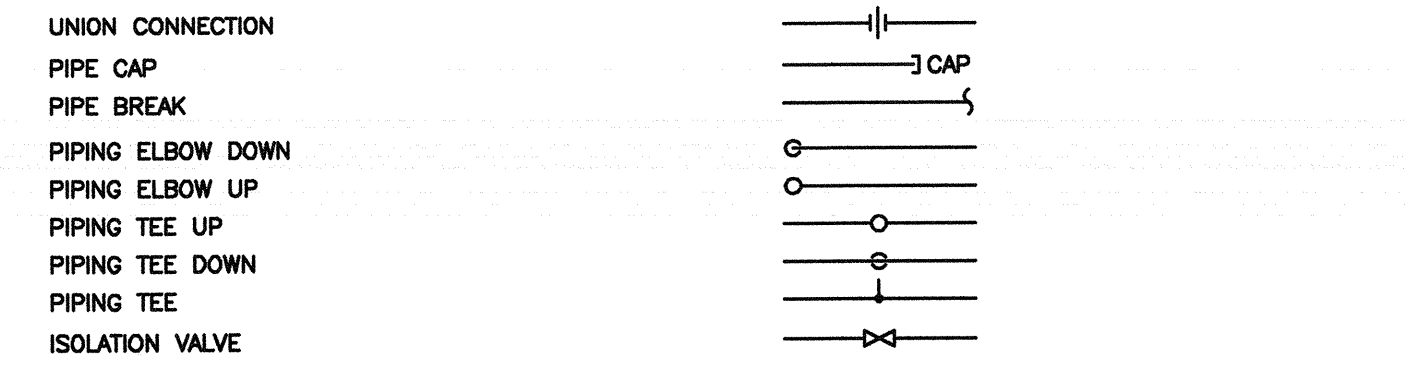
**MECHANICAL LEGEND:**

PLUMBING FIXTURE TAG

LAV	LAVATORY SINK AND FAUCET
JS	JANITOR SINK AND FAUCET
KS	KITCHEN SINK AND FAUCET
KSF	KITCHEN SINK FAUCET
SH	SHOWER STALL AND/OR FAUCET
WC	WATER CLOSET
LJR	LURIAL
FDC	FLOOR DRAIN COVERS
MV	THERMOSTATIC MIXING VALVE

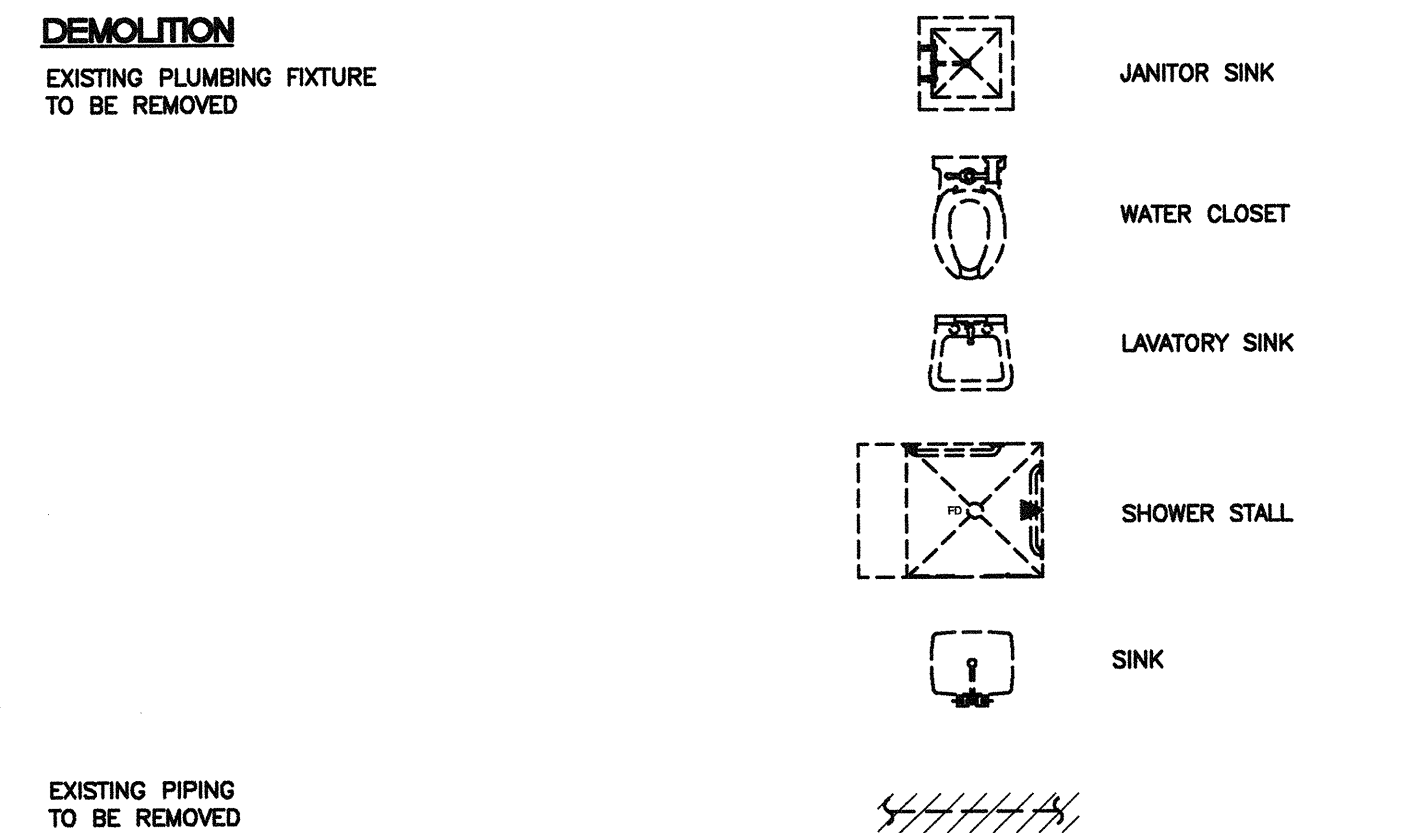


**PIPING SYMBOLS**



**PLUMBING**

	NEW	EXISTING
DOMESTIC COLD WATER PIPING	DCW	DCW
DOMESTIC HOT WATER PIPING	DHW	DHW
DOM. HOT WATER RECIRC. PIPING	DHWR	DHWR
SANITARY PIPING	SAN	SAN
SANITARY PIPING BELOW SLAB	SAN	SAN
SANITARY VENT PIPING	-V	-V
FLOOR DRAIN	FD	FD



1	ISSUED FOR TENDER	2017.08.16
Revision/Revision	Description/Description	Date/Date

Client/client  
**CORRECTIONAL SERVICE OF CANADA**

Project title/Titre du projet  
**AGASSIZ, BC  
KENT MAXIMUM SECURITY  
INSTITUTION  
MECHANICAL SYSTEM  
UPGRADE FOR CELL BLOCKS  
A through H and J & K**

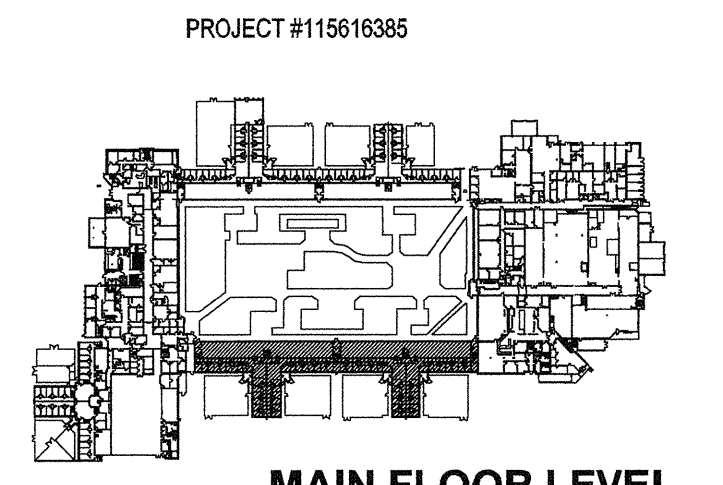
Consultant Signature Box Only  
Designed by/Concept par  
**SH / HG**  
Drawn by/Dessiné par  
**SH**  
PWGSC Project Manager/Administrateur de Projets TPSGC  
**MARVIN NG**  
PWGSC Regional Manager, Architectural and Engineering Services/  
Gestionnaire régional, Services d'architecture et de génie, TPSGC  
**PREETIPAL PAUL**

Drawing title/Titre du dessin  
**PLUMBING LEGEND  
AND GENERAL NOTES**

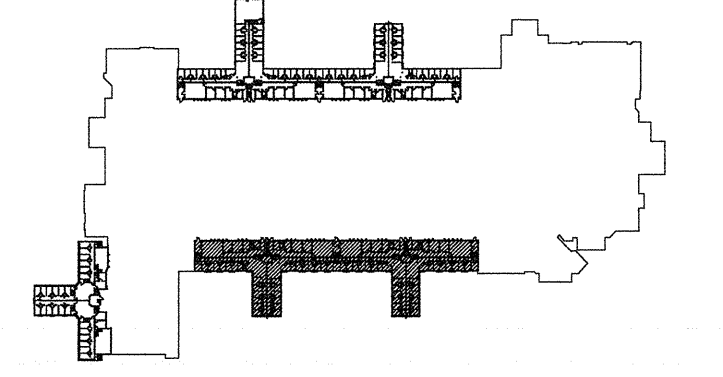
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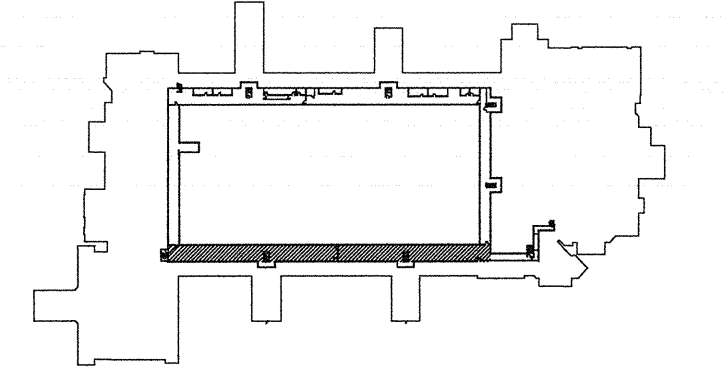
CONSULTANTS:



MAIN FLOOR LEVEL



UPPER LEVEL



TUNNEL LEVEL

AUG 16 2017



1	ISSUED FOR TENDER	2017.08.16
Revision/ Révision	Description/Description	Date/Date

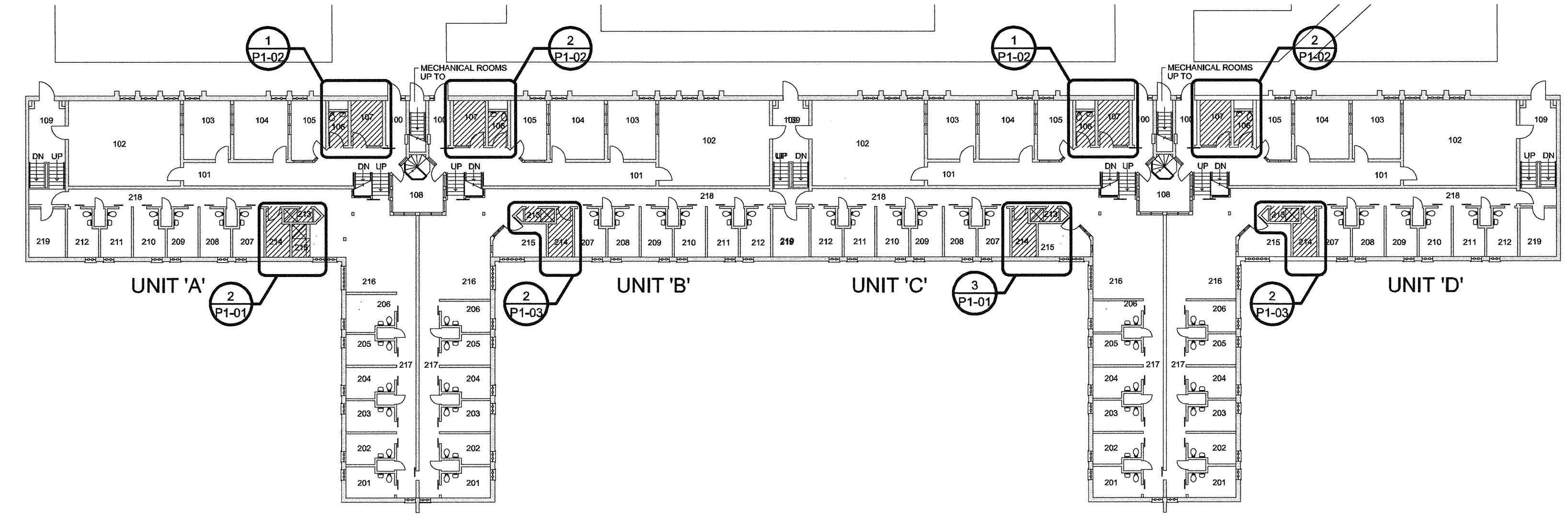
Client/client  
**CORRECTIONAL SERVICE OF CANADA**

Project title/Titre du projet  
**AGASSIZ, BC  
KENT MAXIMUM SECURITY INSTITUTION  
MECHANICAL SYSTEM  
UPGRADE FOR CELL BLOCKS  
A through H and J & K**

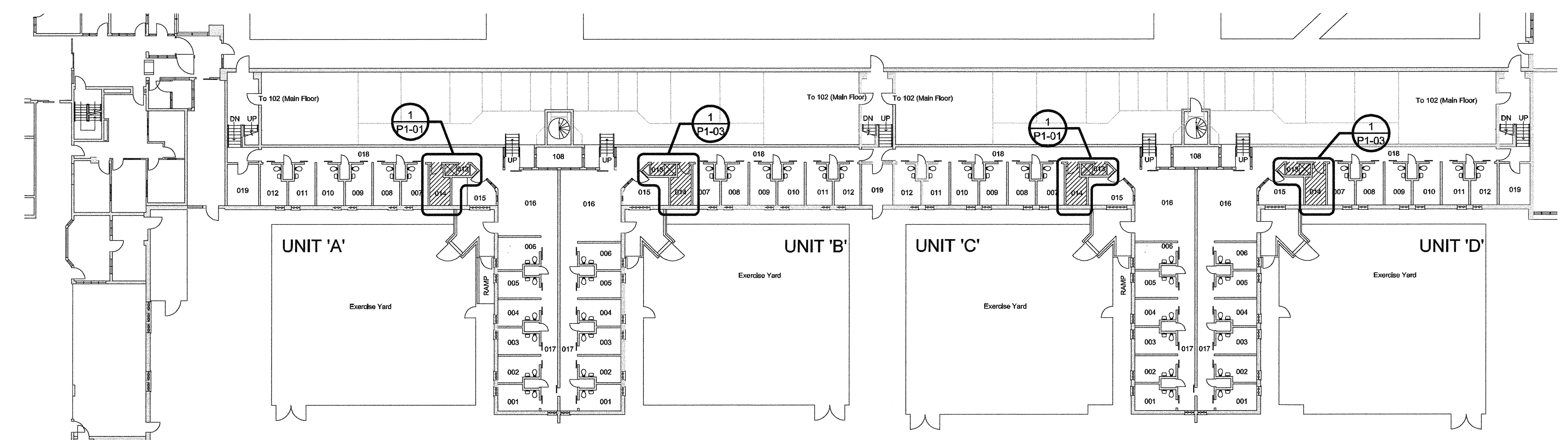
Consultant Signature Box Only  
Designed by/Concept par  
**SH / HG**  
Drawn by/Dessiné par  
**SH**  
PWSSC Project Manager/Administrateur de Projets TPSSC  
**MARVIN NG**  
PWSSC Regional Manager, Architectural and Engineering Services / Gestionnaire régional, Services d'architecture et de génie, TPSSC  
**PREETIPAL PAUL**

Drawing title/Titre du dessin  
**LIVING UNITS A, B, C, D  
KEY PLANS**

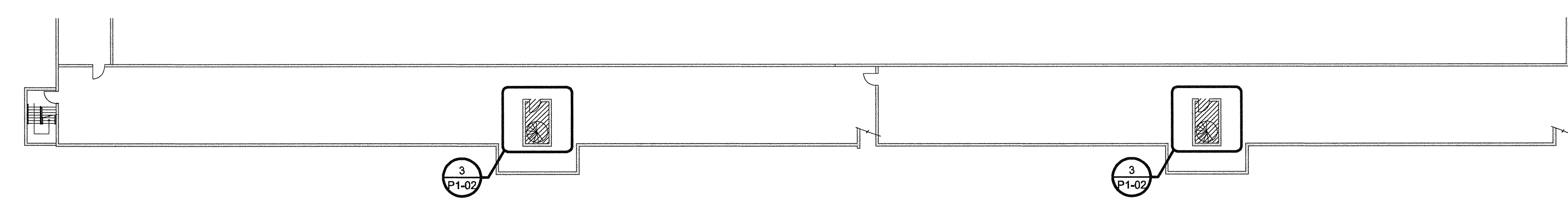
Project No./No. du projet <b>R.077723.001</b>	Sheet/Feuille <b>P1-00</b>	Revision no./La Révision No. <b>1</b>
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1 PARTIAL UPPER FLOOR PLAN  
P1-00 1:250



2 PARTIAL MAIN FLOOR PLAN  
P1-00 1:250



3 PARTIAL TUNNEL LEVEL  
P1-00 1:250

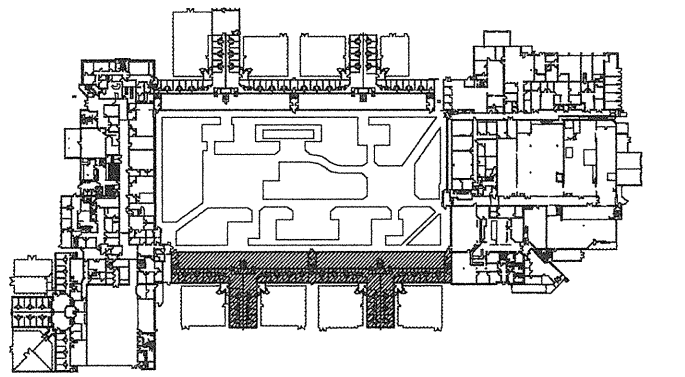




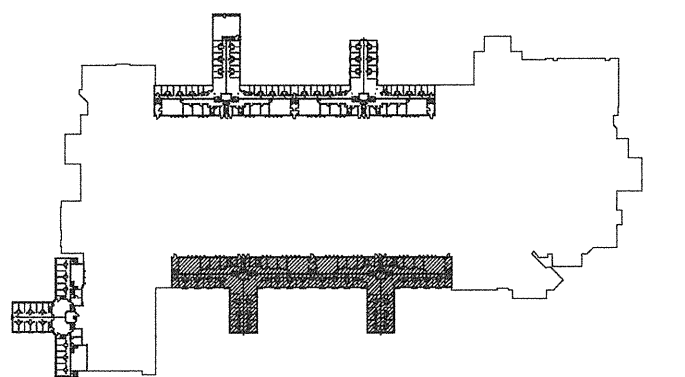
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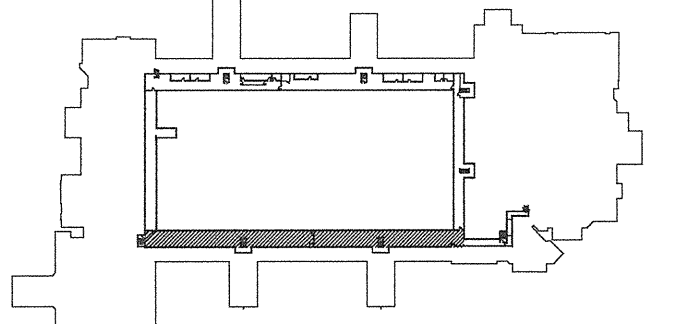
PROJECT #115616385



MAIN FLOOR LEVEL



UPPER LEVEL



TUNNEL LEVEL

AUG 16 2017



1	ISSUED FOR TENDER	2017.08.16
Revision/	Description/Description	Date/Date
Client/client		

CORRECTIONAL SERVICE OF CANADA

Project title/Titre du projet  
**AGASSIZ, BC  
KENT MAXIMUM SECURITY  
INSTITUTION**  
**MECHANICAL SYSTEM  
UPGRADE FOR CELL BLOCKS  
A through H and J & K**

Consultant Signature Box Only

Designed by/Concept par

SH / HG

Drawn by/Dessiné par

SH

PWOSC Project Manager/Administrateur de Projets TPSGC

MARVIN NG

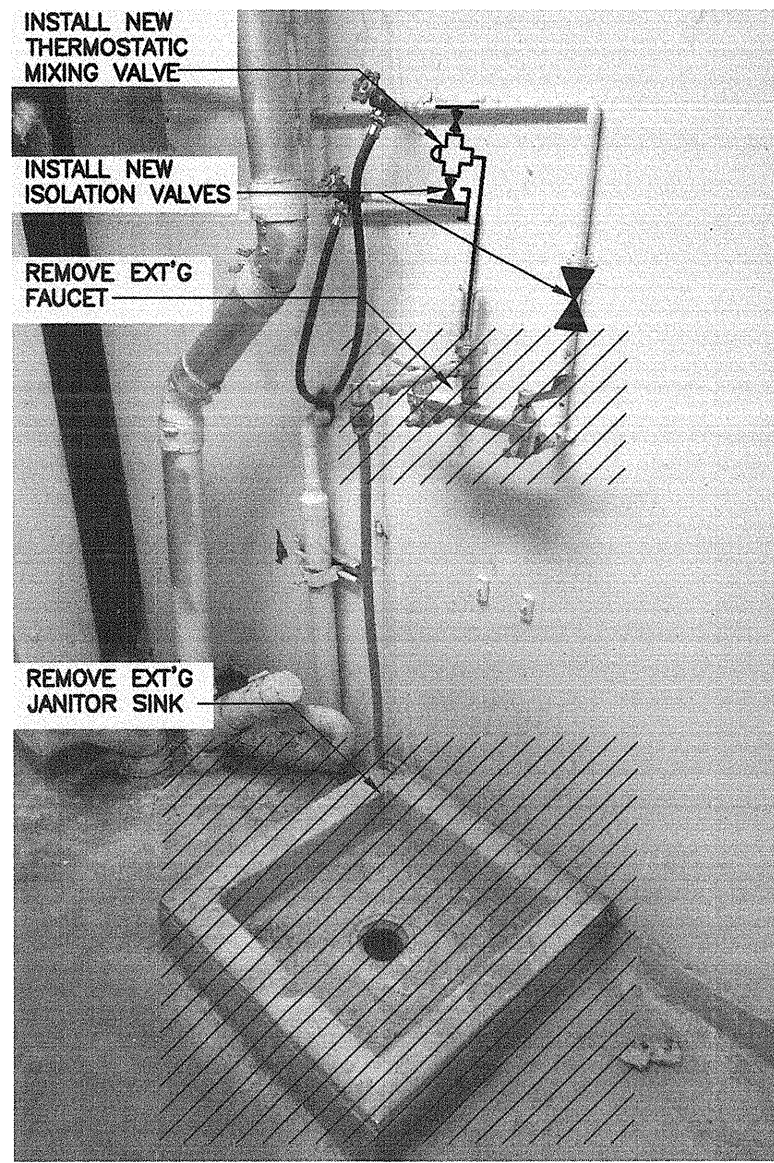
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Gestionnaire régionale, Services d'architecture et de génie, TPSGC

PREETIPAL PAUL

Drawing title/Titre du dessin

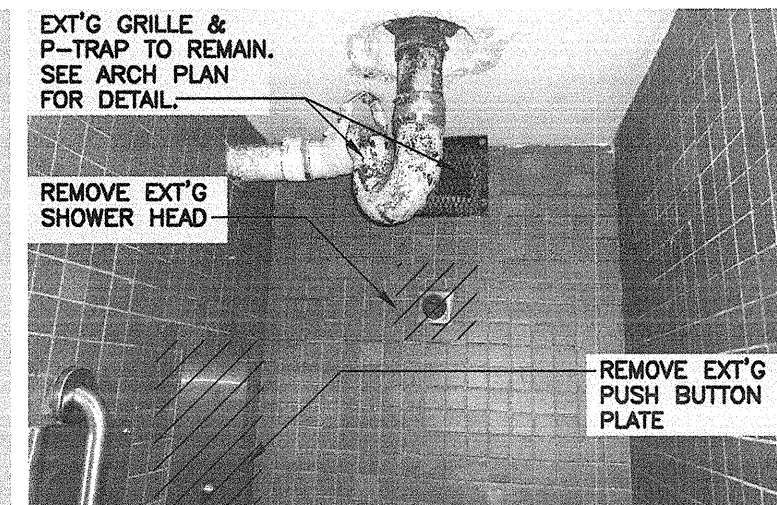
**LIVING UNITS A, B, C, D  
DEMOLITION & NEW  
PLUMBING PLANS**

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.077723.001	P1-01	1



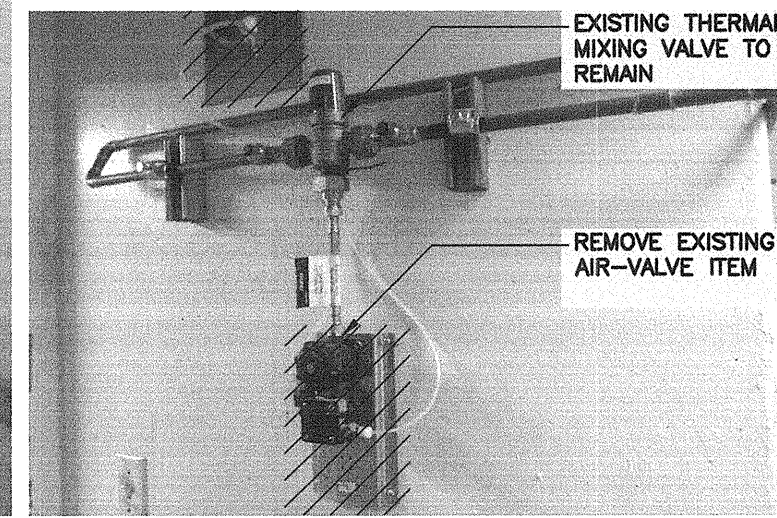
TYP. EXT'G JANITOR SINK (104)

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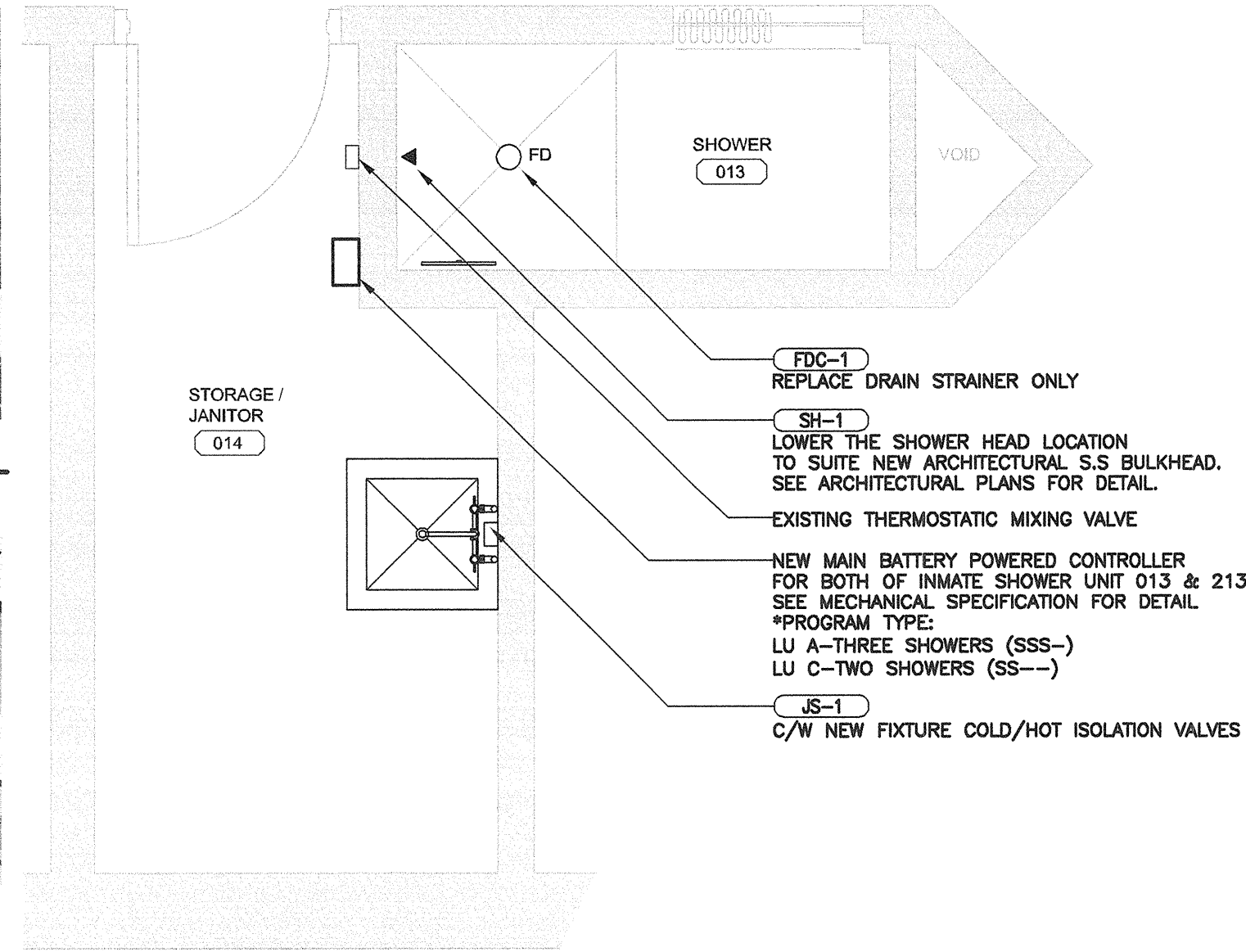
TYP. EXISTING SHOWER (103)

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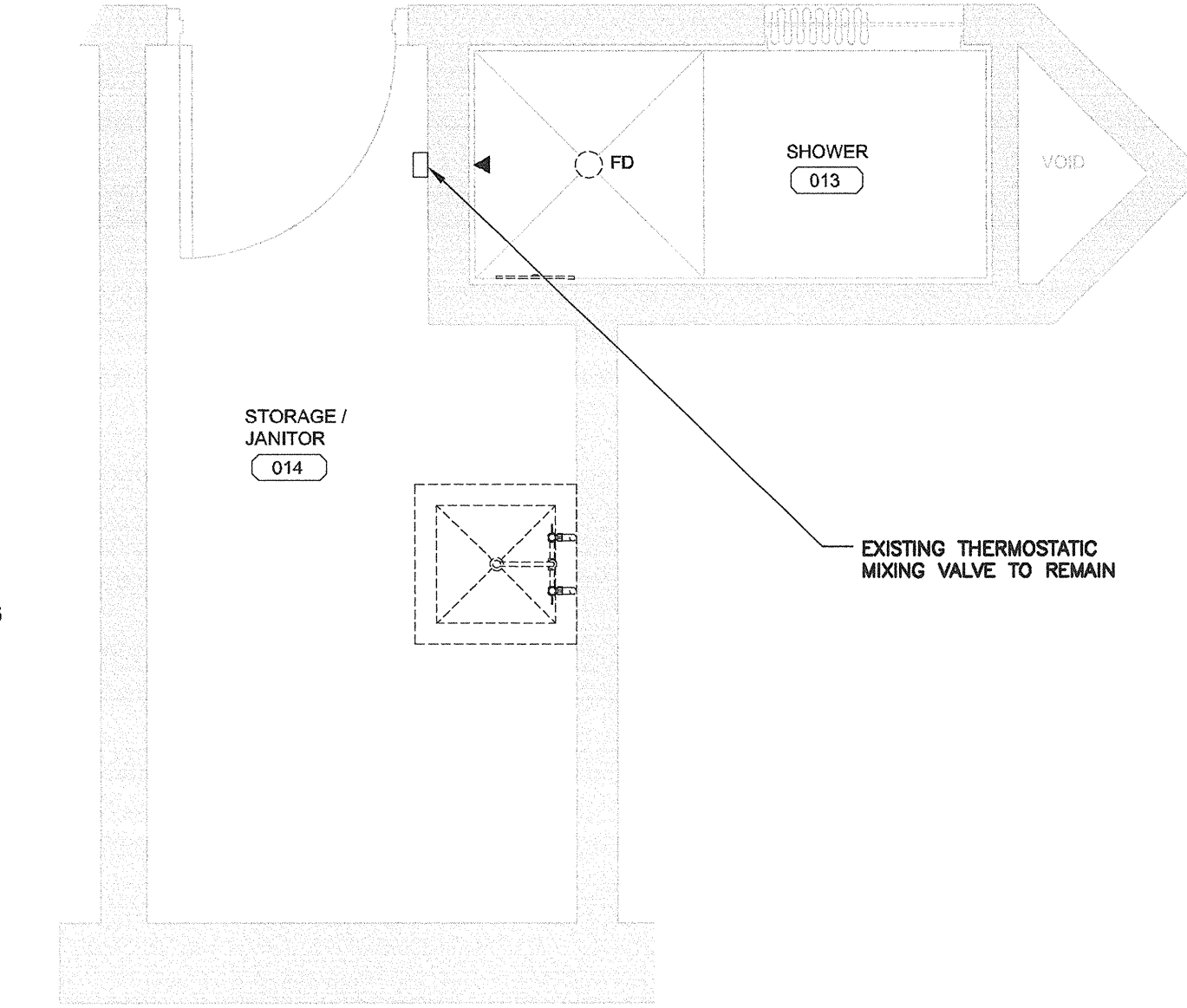
TYP. EXT'G SHOWER EQUIPMENT (104)

N.T.S.



ROOM 013, 014 FOR UNITS A AND C  
NEW PLUMBING PLAN

1B  
P1-01 1:25

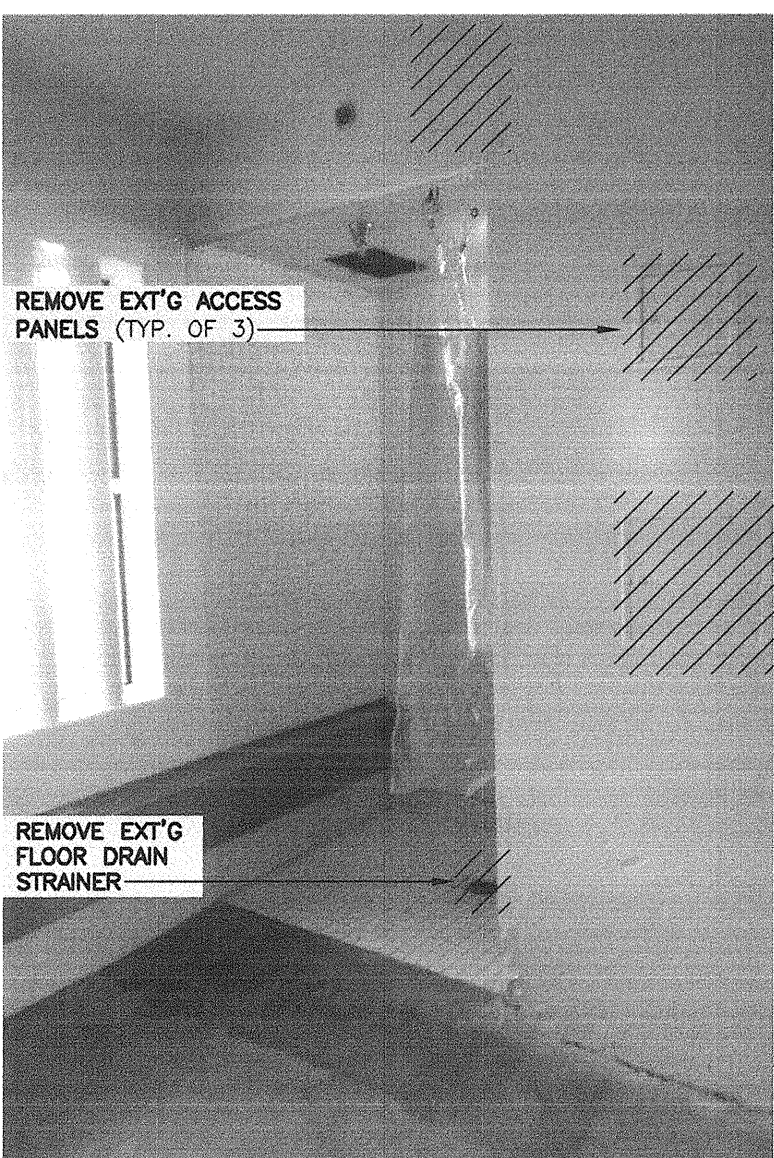


ROOM 013, 014 FOR UNITS A AND C  
DEMOLITION PLUMBING PLAN

1A  
P1-01 1:25

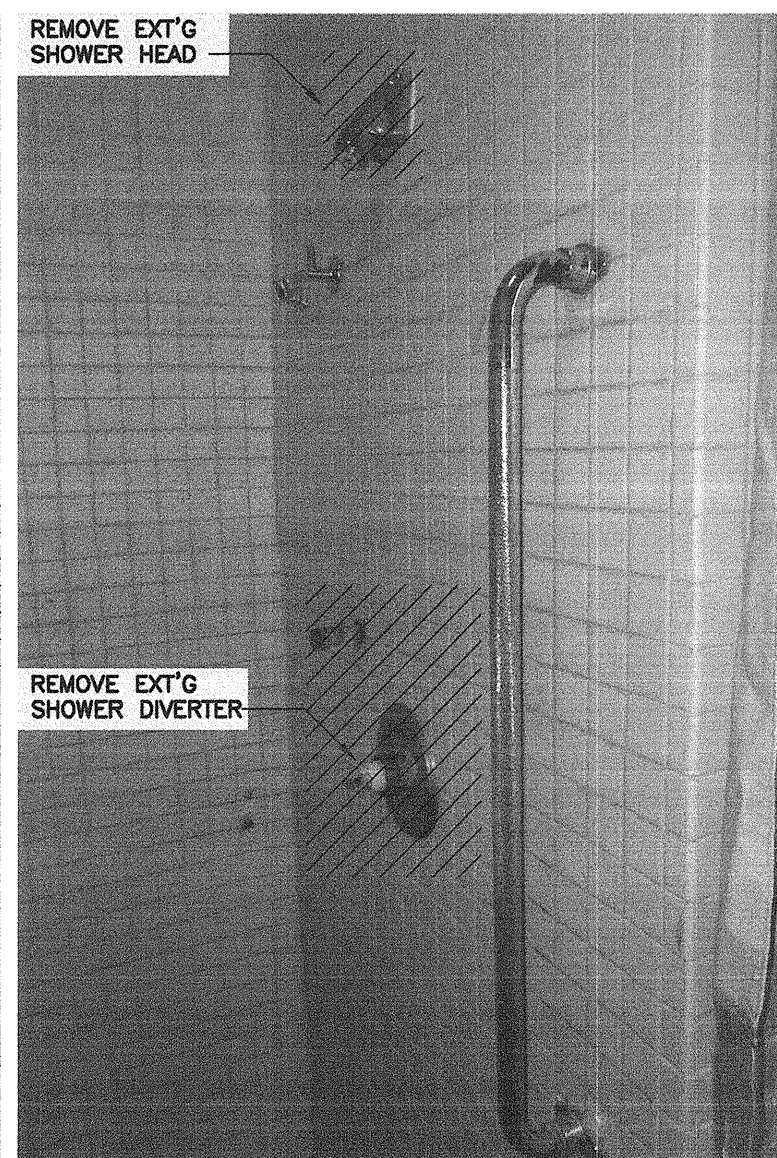
- GENERAL NOTES: (DEMOLITION)
- REMOVE EXISTING PLUMBING FIXTURES UNLESS NOTED OTHERWISE.
  - CAP-OFF EXISTING WATER PIPE CONNECTIONS FOR RE-DO.
  - REFER PHOTOS ON THIS DRAWING.
  - REMOVE EXT'G ACCESS PANELS & INSTALL NEW MORTICE CYLINDER LOCK ACCESS PANELS. SEE ARCH PLANS FOR DETAILS. (TYP. FOR ALL)

- GENERAL NOTES: (RENOVATION)
- SEE PLUMBING FIXTURE SPECIFICATION FOR DETAIL.
  - CONNECT WITH EXISTING WATER/DRAIN PIPING UNLESS NOTED OTHERWISE.
  - RE-USE EXISTING PLUMBING FIXTURE CARRIERS UNLESS NOTED OTHERWISE.
  - INSTALL NEW THERMOSTATIC MIXING VALVE AT JANITOR SINK, LAVATORY, AND KITCHEN SINK HOT WATER SUPPLY PIPE UNLESS NOTED OTHERWISE. SEE PLUMBING FIXTURE SPECIFICATION FOR SET TEMPERATURE.
  - INSTALL NEW 250(0)X250(0)X200(0) STAINLESS STEEL LOCKABLE BOXES FOR HOUSING THE BATTERY POWER CONTROLLERS. (TYP. FOR ALL)



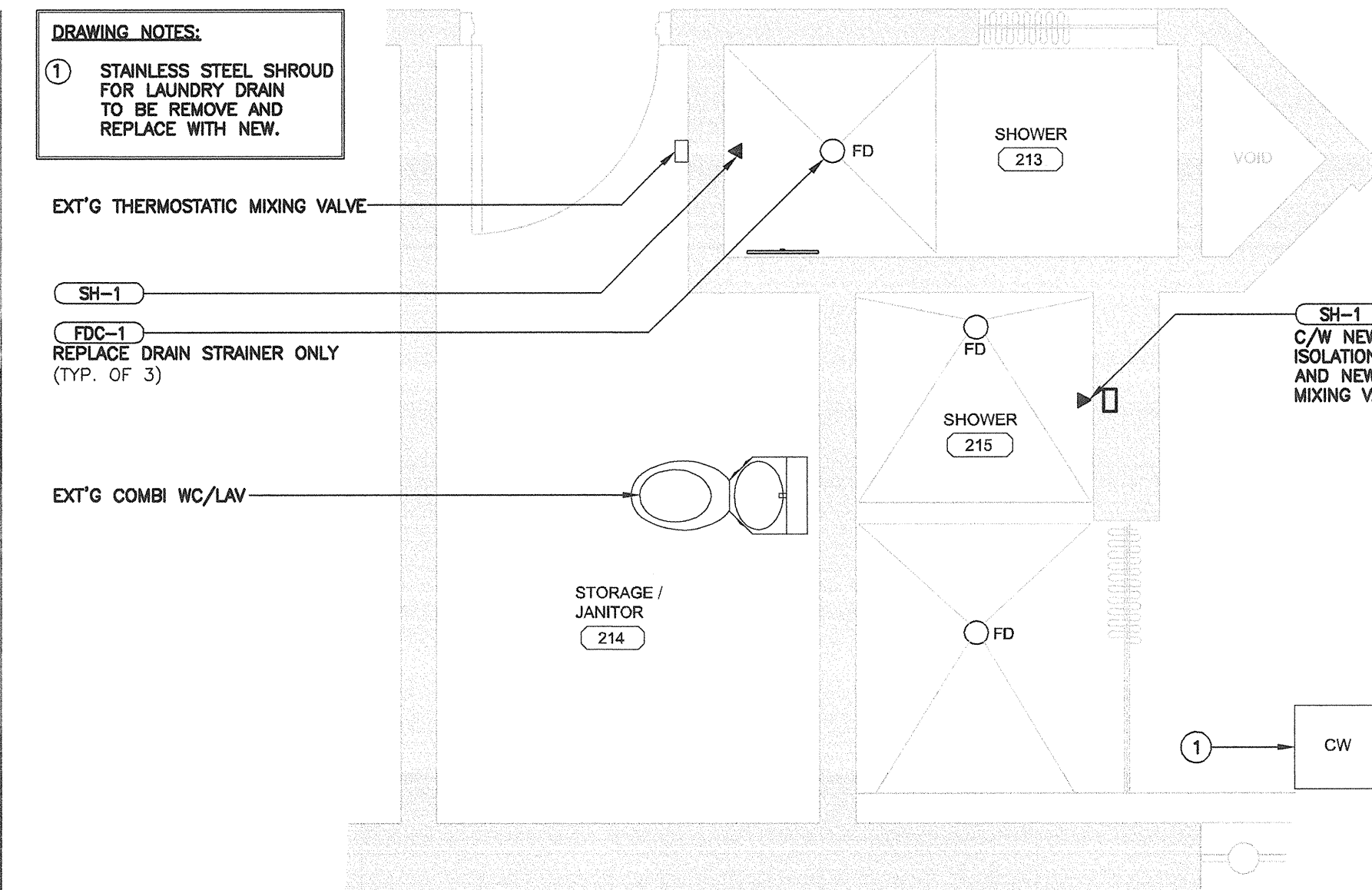
EXT'G ACCESS PANELS (215)

N.T.S.



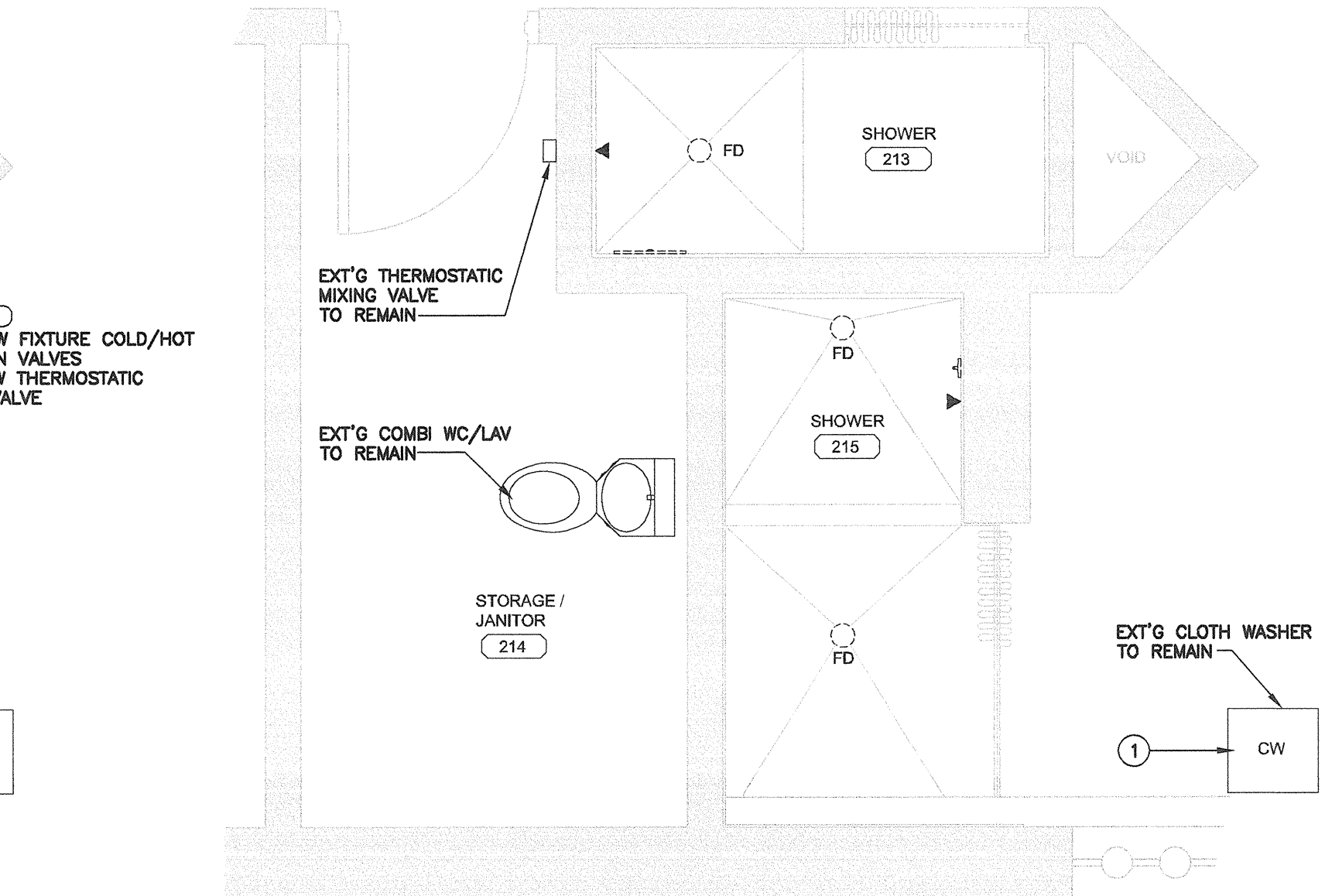
EXT'G SHOWER (215)

N.T.S.



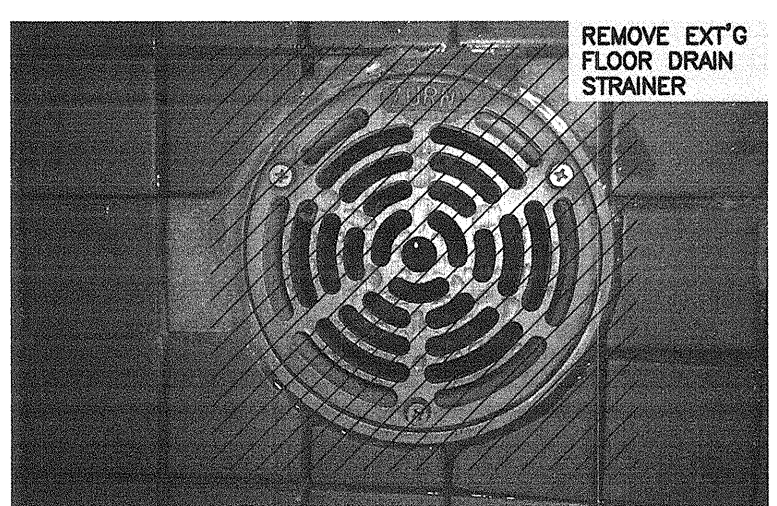
ROOMS 213, 215 FOR UNIT A  
NEW PLUMBING PLAN

2B  
P1-01 1:25



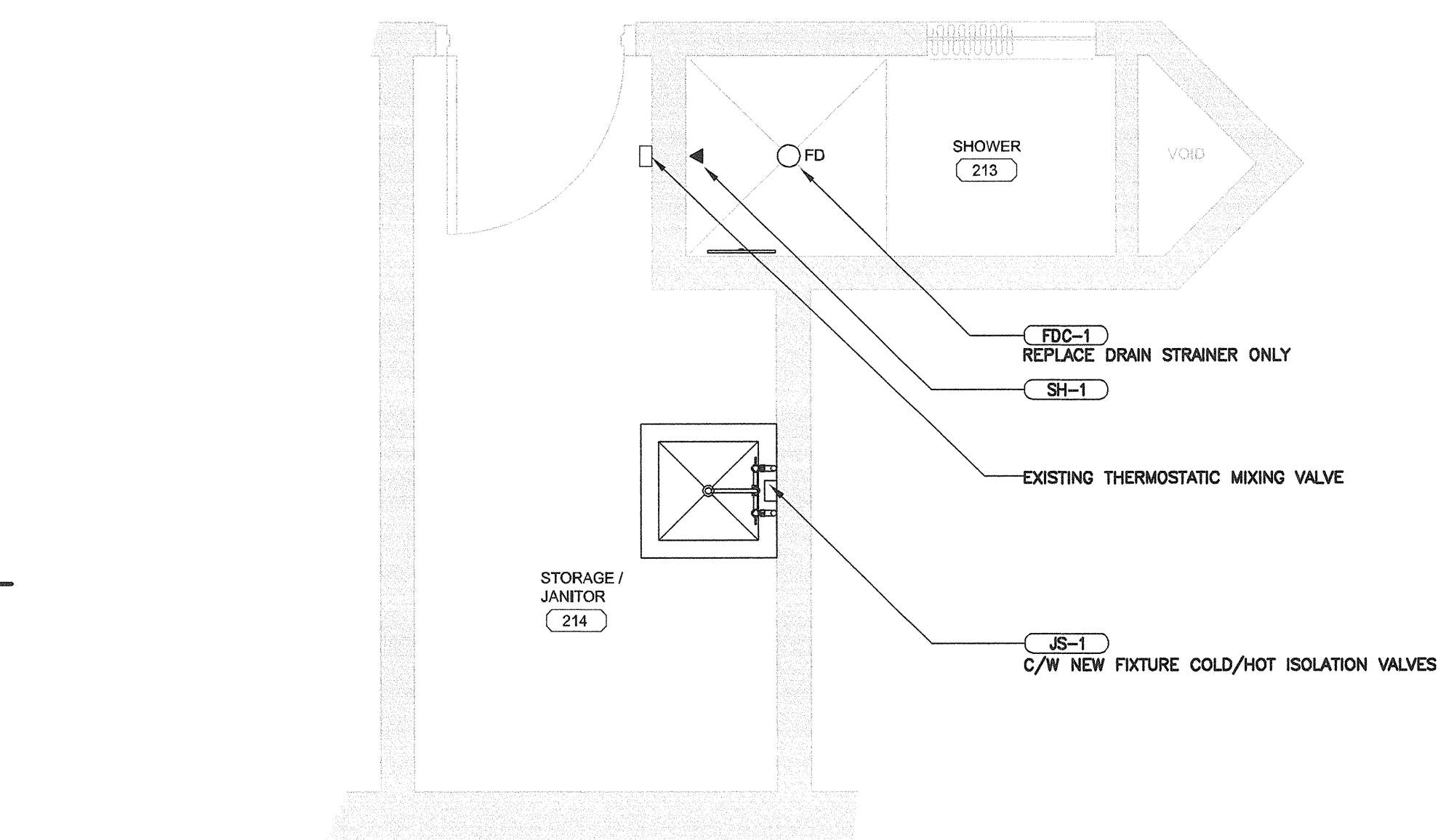
ROOMS 213, 215 FOR UNIT A  
DEMOLITION PLUMBING PLAN

2A  
P1-01 1:25



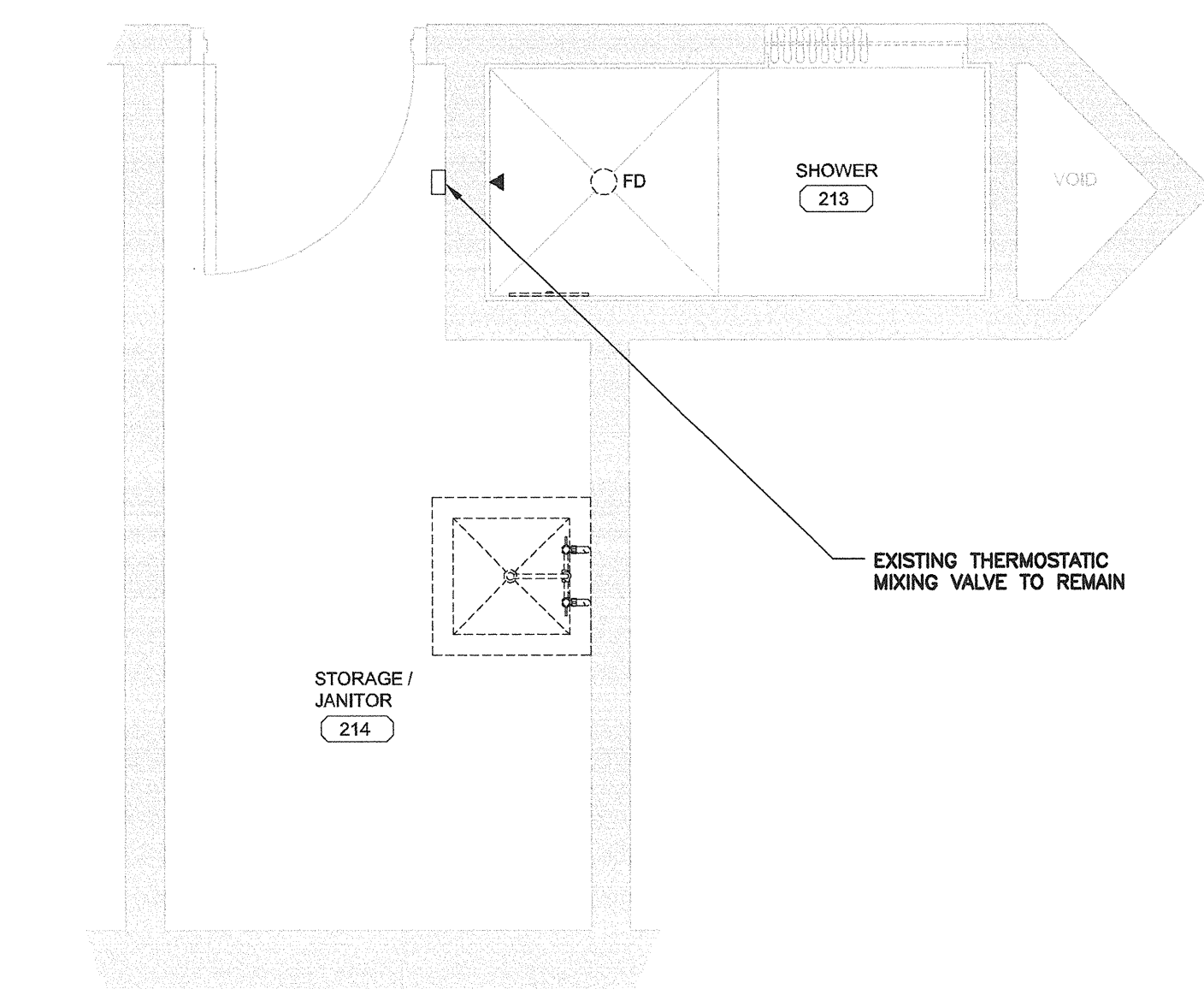
TYP. EXT'G SHOWER DRAIN (213)

N.T.S.



ROOMS 213, 214 FOR UNIT C  
NEW PLUMBING PLAN

3B  
P1-01 1:25

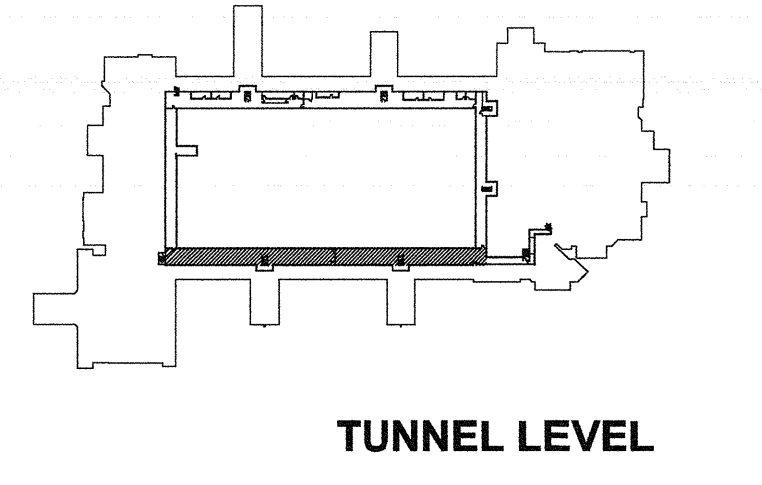
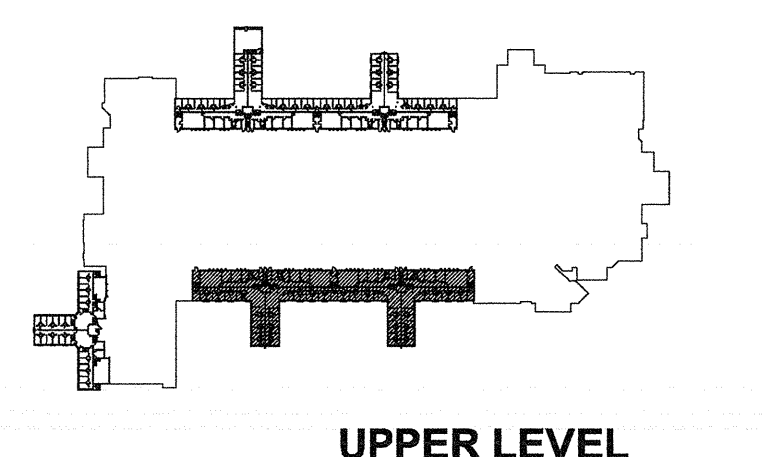
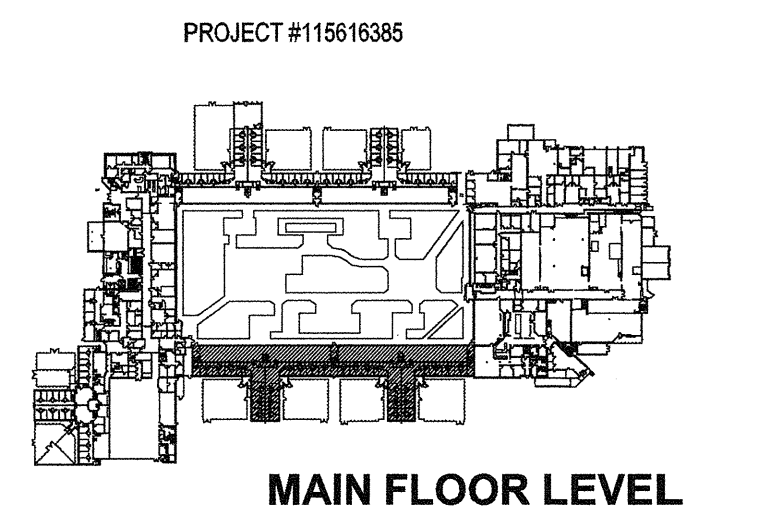


ROOMS 213, 214 FOR UNIT C  
DEMOLITION PLUMBING PLAN

3A  
P1-01 1:25



CONSULTANTS:



AUG 16 2017



1	ISSUED FOR TENDER	2017.08.16
Revision/	Description/Description	Date/Date

Client/client: **CORRECTIONAL SERVICE OF CANADA**

Project title/Titre du projet: **AGASSIZ, BC KENT MAXIMUM SECURITY INSTITUTION**  
**MECHANICAL SYSTEM UPGRADE FOR CELL BLOCKS A through H and J & K**

Consultant Signature Box Only

Designed by/Concept par: **SH / HG**

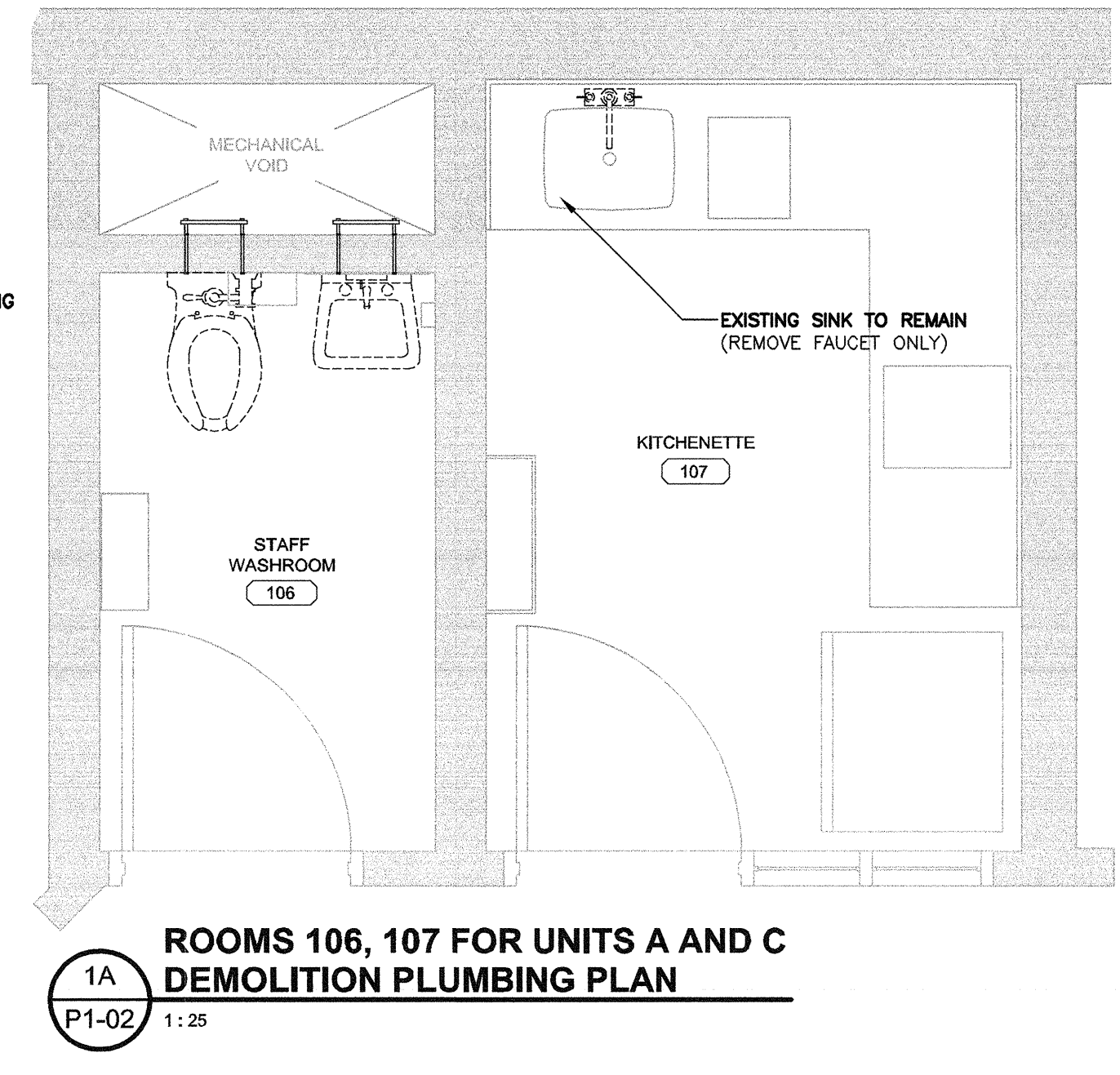
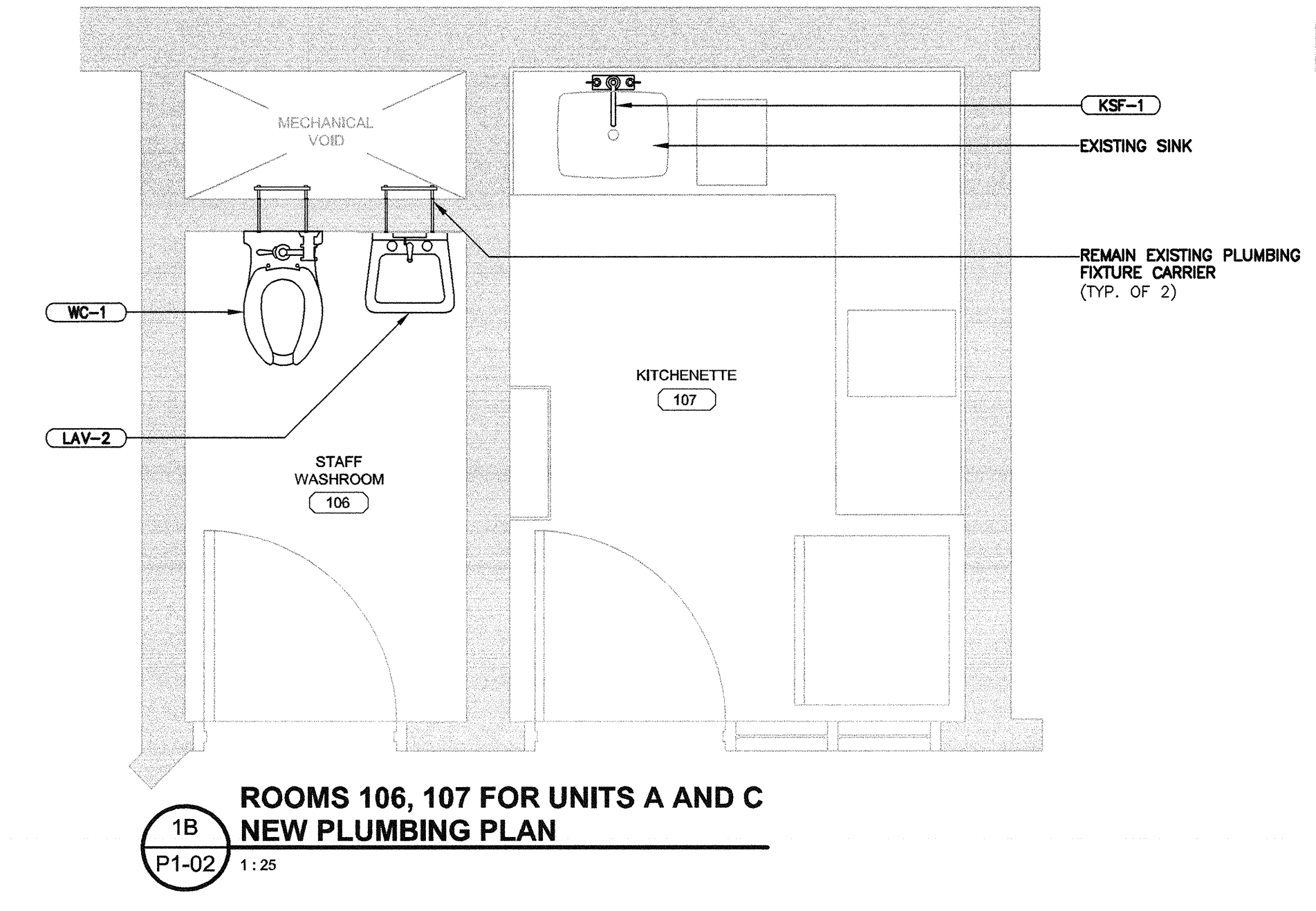
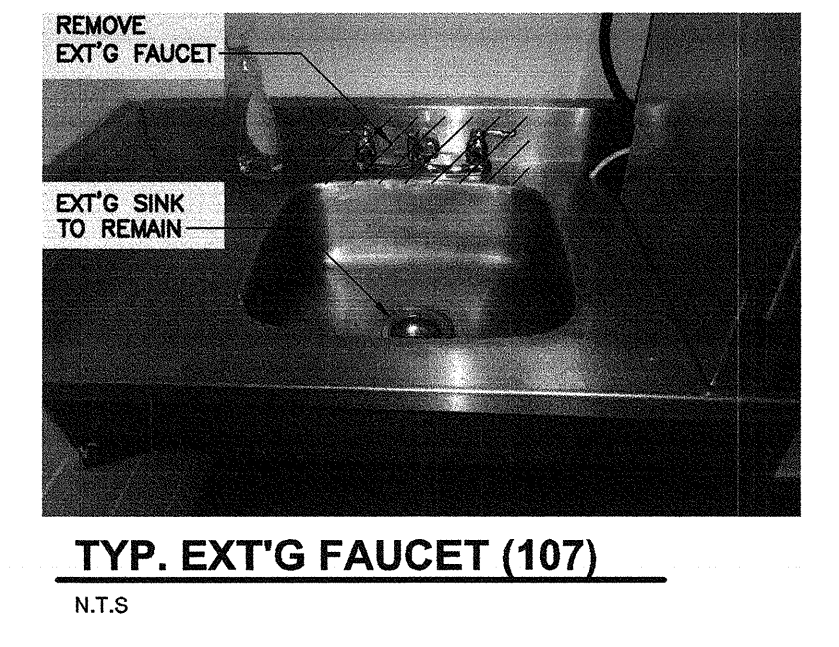
Drawn by/Dessiné par: **SH**

PWOSC Project Manager/Administrateur de Projets TPSC: **MARVIN NG**

PWOSC Regional Manager, Architectural and Engineering Services / Gestionnaire régional, services d'architectural et de génie, TPSC: **PREETIPAL PAUL**

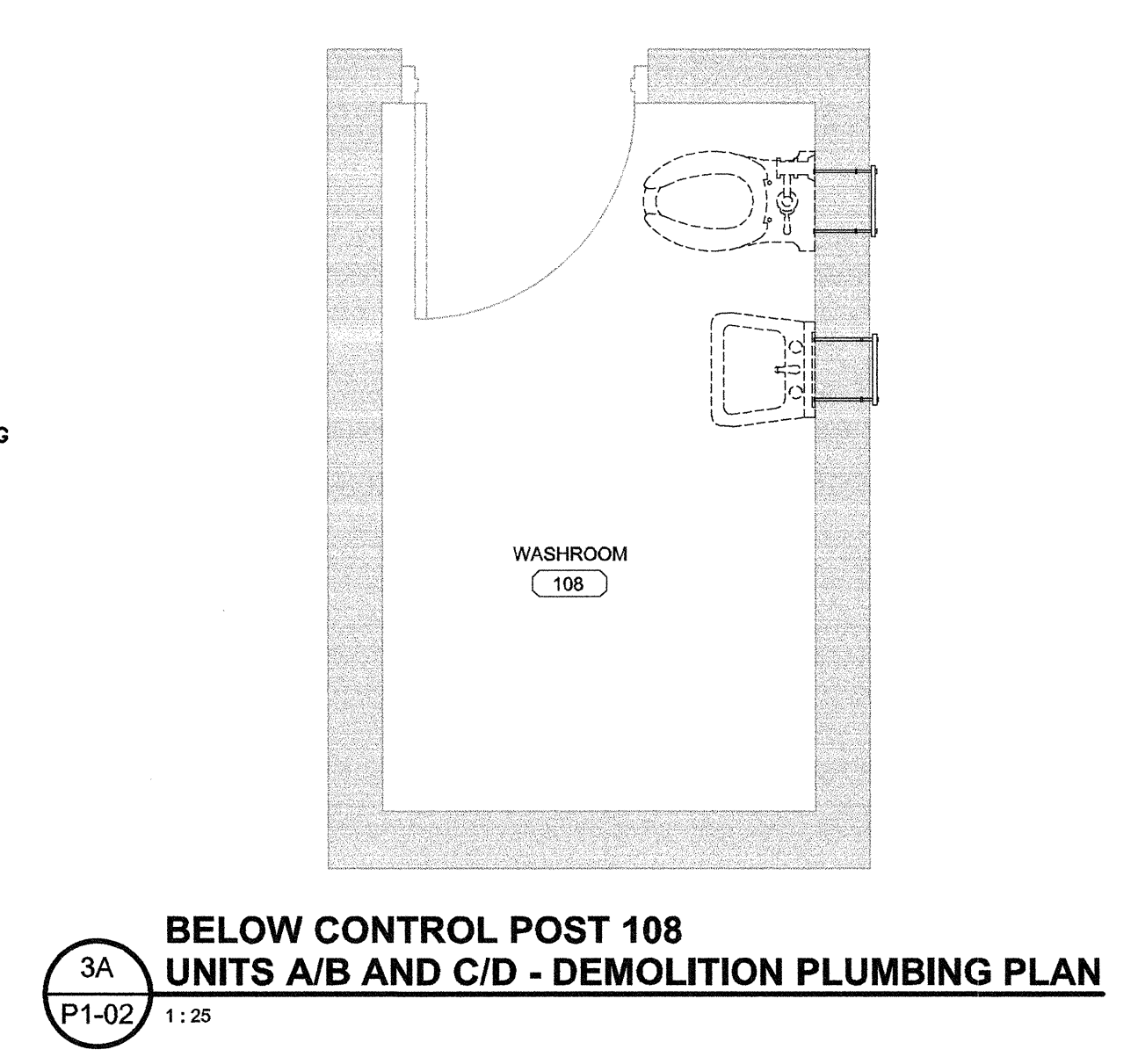
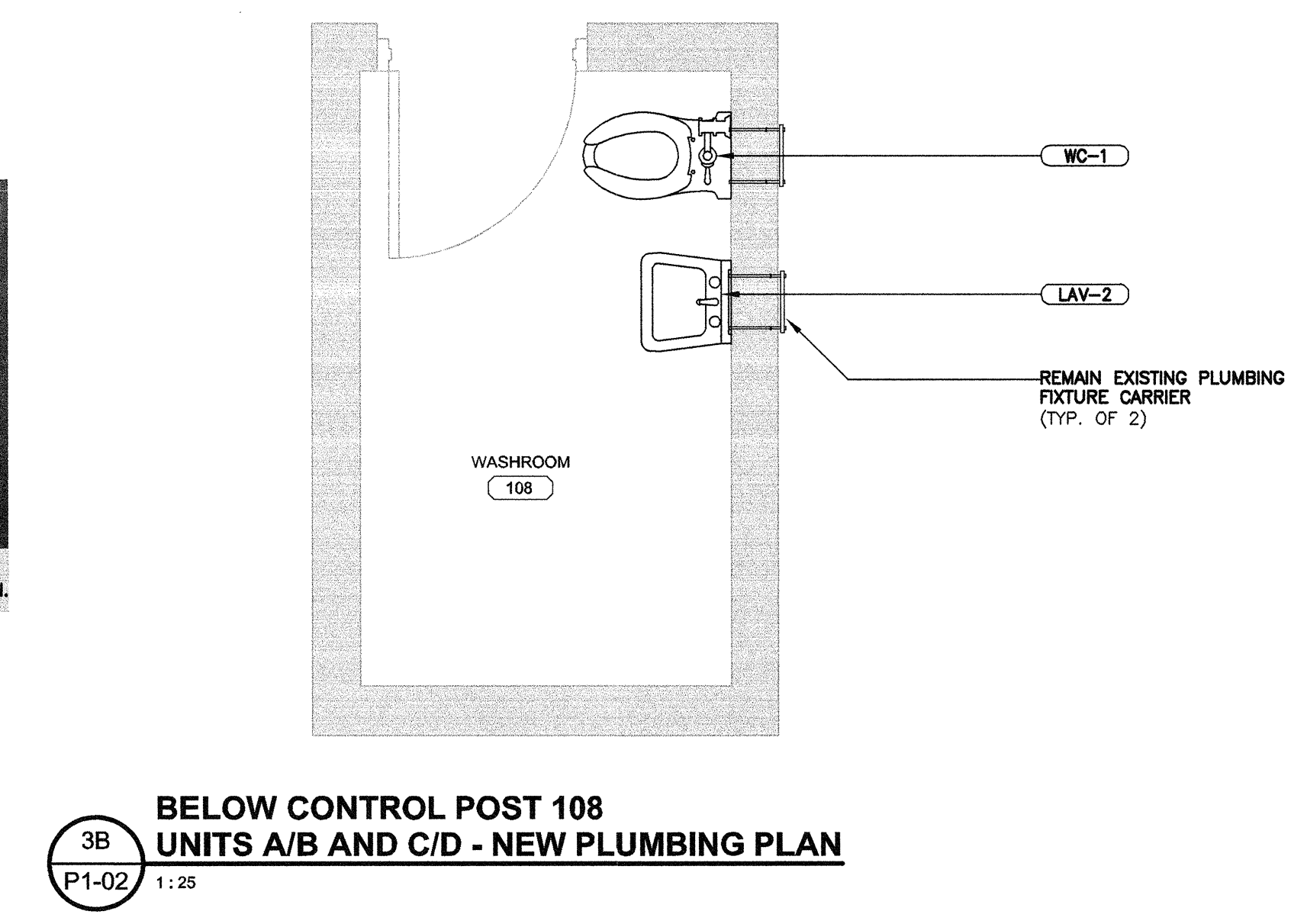
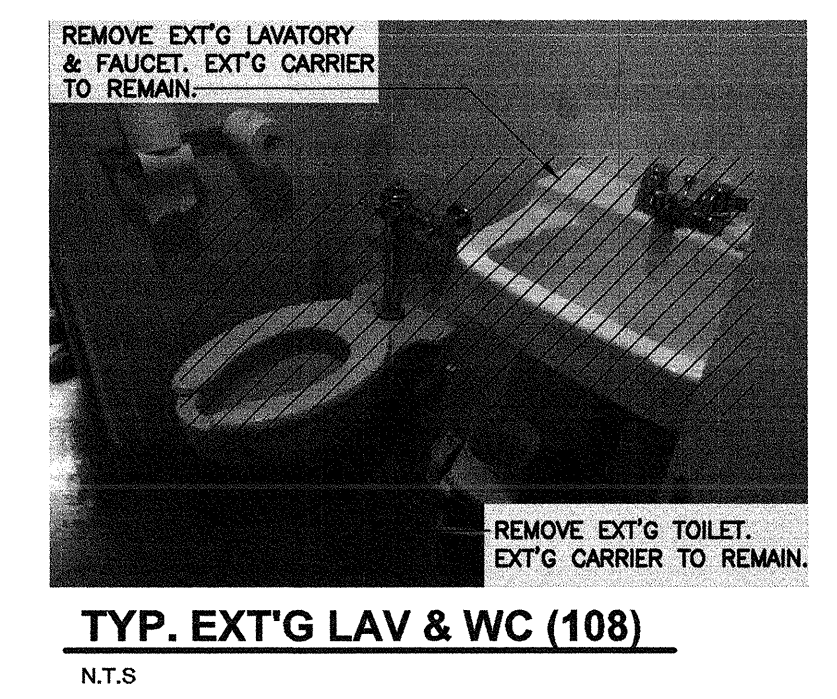
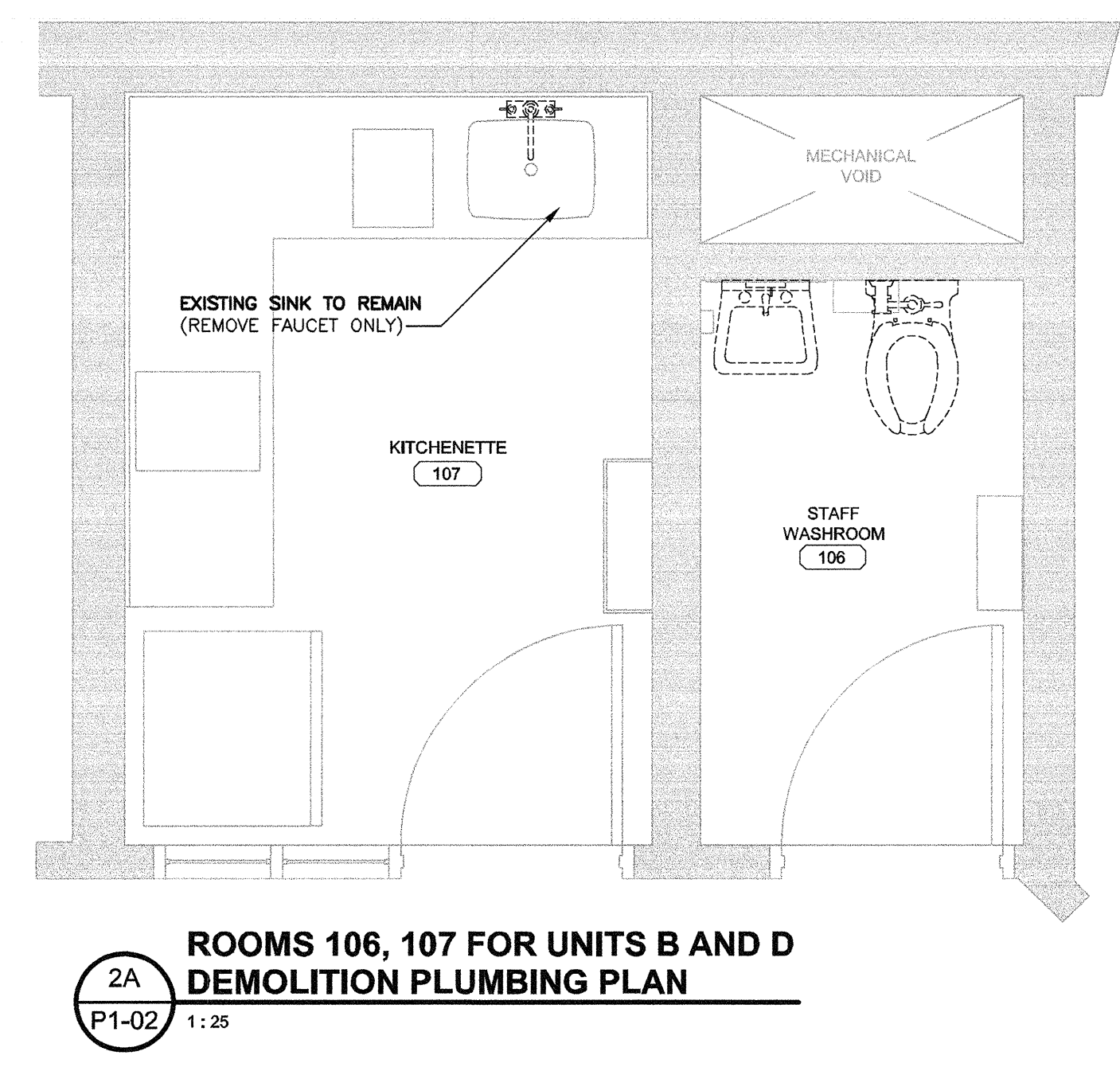
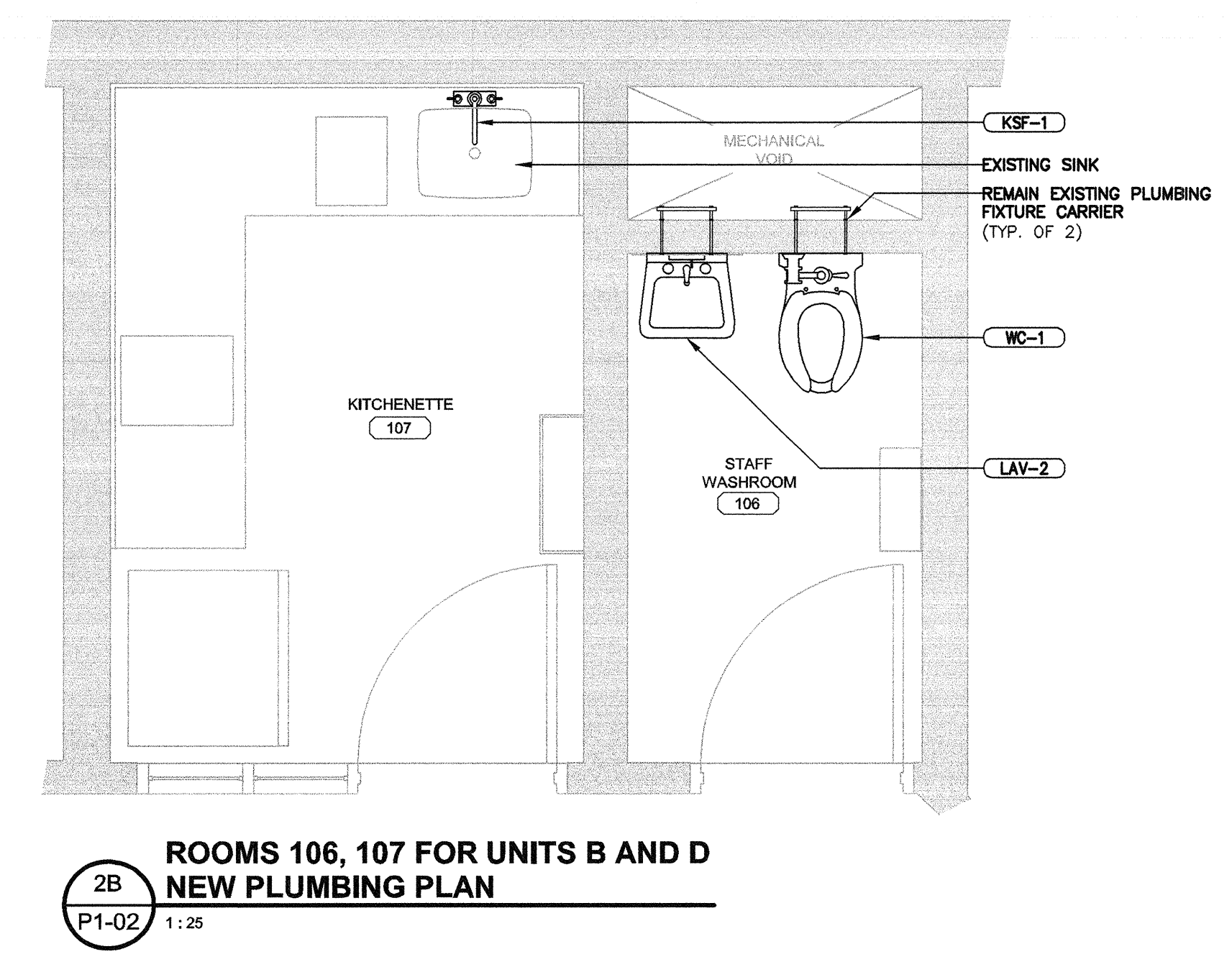
Drawing title/Titre du dessin: **LIVING UNITS A, B, C, D DEMOLITION & NEW PLUMBING PLANS**

Project No./No. du projet: <b>R.077723.001</b>	Sheet/Feuille: <b>P1-02</b>	Revision no./La Révision no.: <b>1</b>
		43 OF 53



- GENERAL NOTES: (DEMOLITION)**
- REMOVE EXISTING PLUMBING FIXTURES UNLESS NOTED OTHERWISE.
  - CAP-OFF EXISTING WATER PIPE CONNECTIONS FOR REND.
  - REFER PHOTOS ON THIS DRAWING.
  - REMOVE EXT'G ACCESS PANELS & INSTALL NEW MORTICE CYLINDER LOCK ACCESS PANELS. SEE ARCH PLANS FOR DETAILS. (TYP. FOR ALL)

- GENERAL NOTES: (RENOVATION)**
- SEE PLUMBING FIXTURE SPECIFICATION FOR DETAIL.
  - CONNECT WITH EXISTING WATER/DRAIN PIPING UNLESS NOTED OTHERWISE.
  - RE-USE EXISTING PLUMBING FIXTURE CARRIERS UNLESS NOTED OTHERWISE.
  - INSTALL NEW THERMOSTATIC MIXING VALVE AT JANITOR SINK, LAVATORY, AND KITCHEN SINK HOT WATER SUPPLY PIPE UNLESS NOTED OTHERWISE. SEE PLUMBING FIXTURE SPECIFICATION FOR SET TEMPERATURE.
  - INSTALL NEW 250(1)X250(W)X200(D) STAINLESS STEEL LOCKABLE BOXES FOR HOUSING THE BATTERY POWER CONTROLLERS. (TYP. FOR ALL)

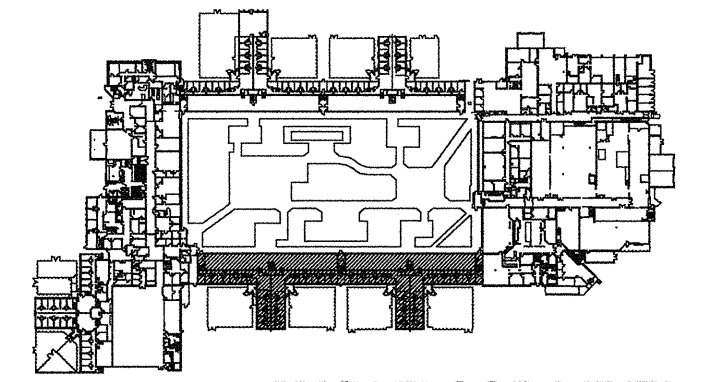




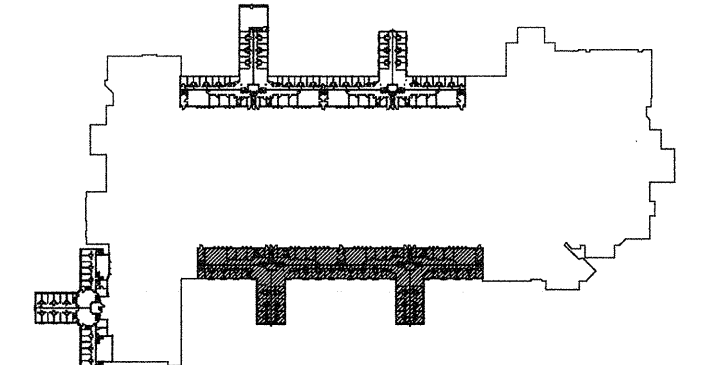
CONSULTANTS:



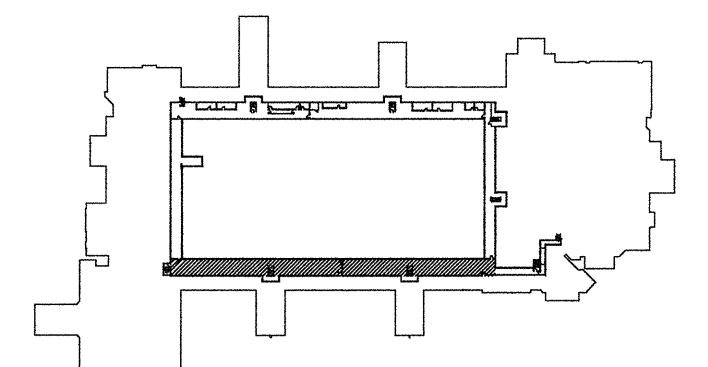
PROJECT #115616385



MAIN FLOOR LEVEL

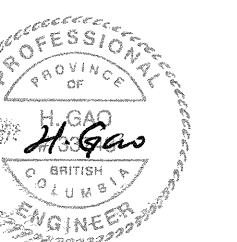


UPPER LEVEL



TUNNEL LEVEL

AUG 16 2017



1	ISSUED FOR TENDER	2017.08.16
Revision/ Révision	Description/ Description	Date/ Date

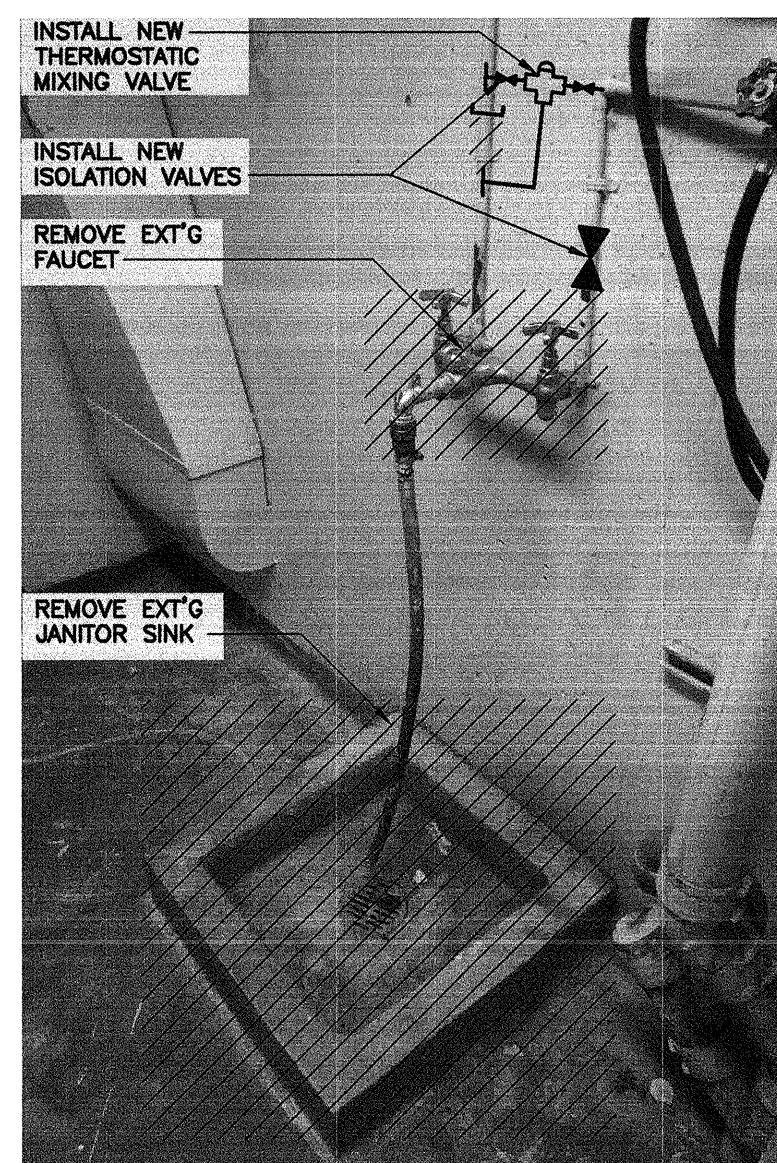
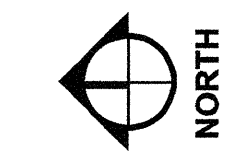
Client/Client: CORRECTIONAL SERVICE OF CANADA

Project Title/ Titre du projet: AGASSIZ, BC KENT MAXIMUM SECURITY INSTITUTION MECHANICAL SYSTEM UPGRADE FOR CELL BLOCKS A through H and J & K

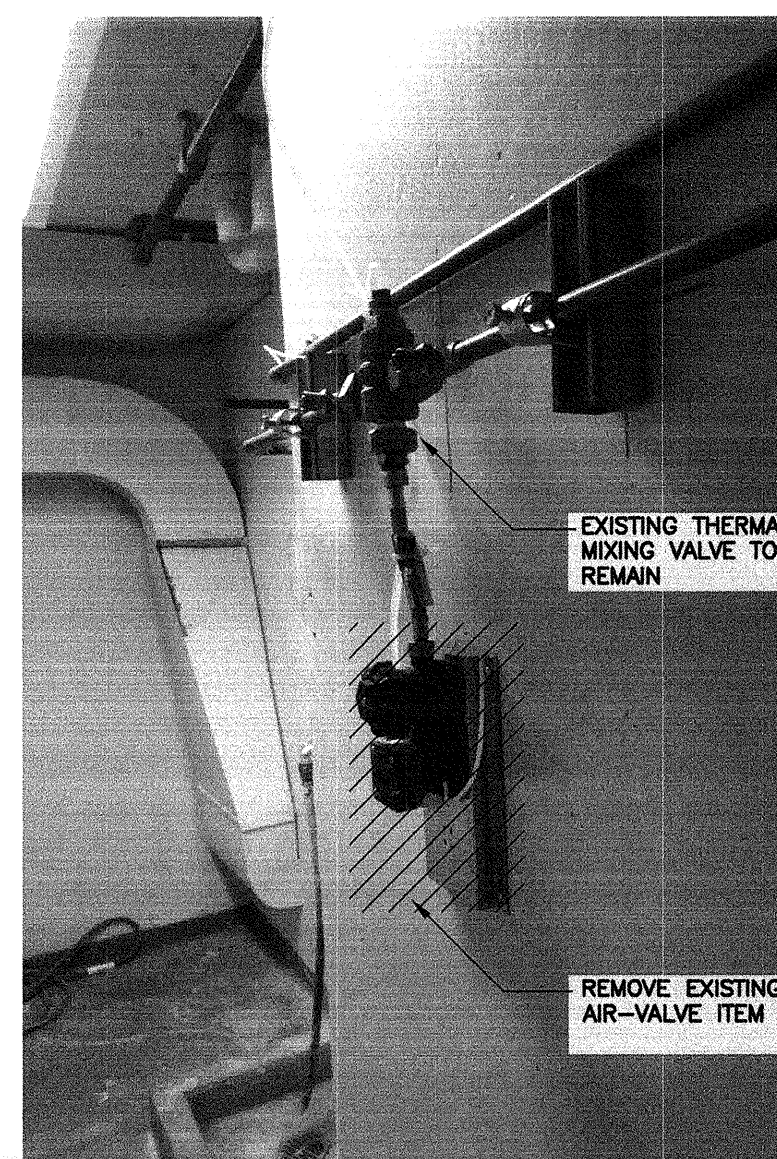
Consultant Signature Box Only  
 Designed by/Concept par: SH/HG  
 Drawn by/Dessiné par: SH  
 MARVIN NG  
 PWGSC Project Manager/Administrateur de Projets TPSGC  
 PWGSC Regional Manager, Architectural and Engineering Services / Gestionnaire régional, Services d'architecture et de génie, TPSGC  
 PREETIPAL PAUL

Drawing Title/ Titre du dessin: LIVING UNITS A, B, C, D DEMOLITION & NEW PLUMBING PLANS

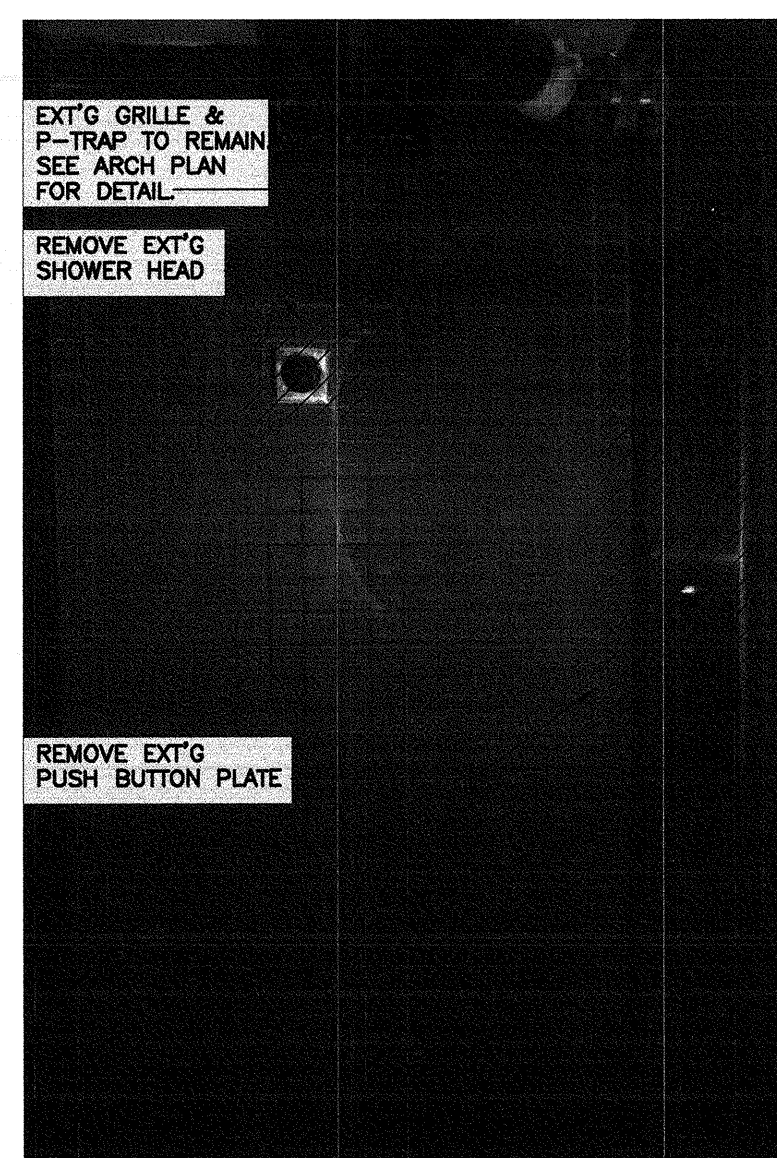
Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
R.077723.001	P1-03	1



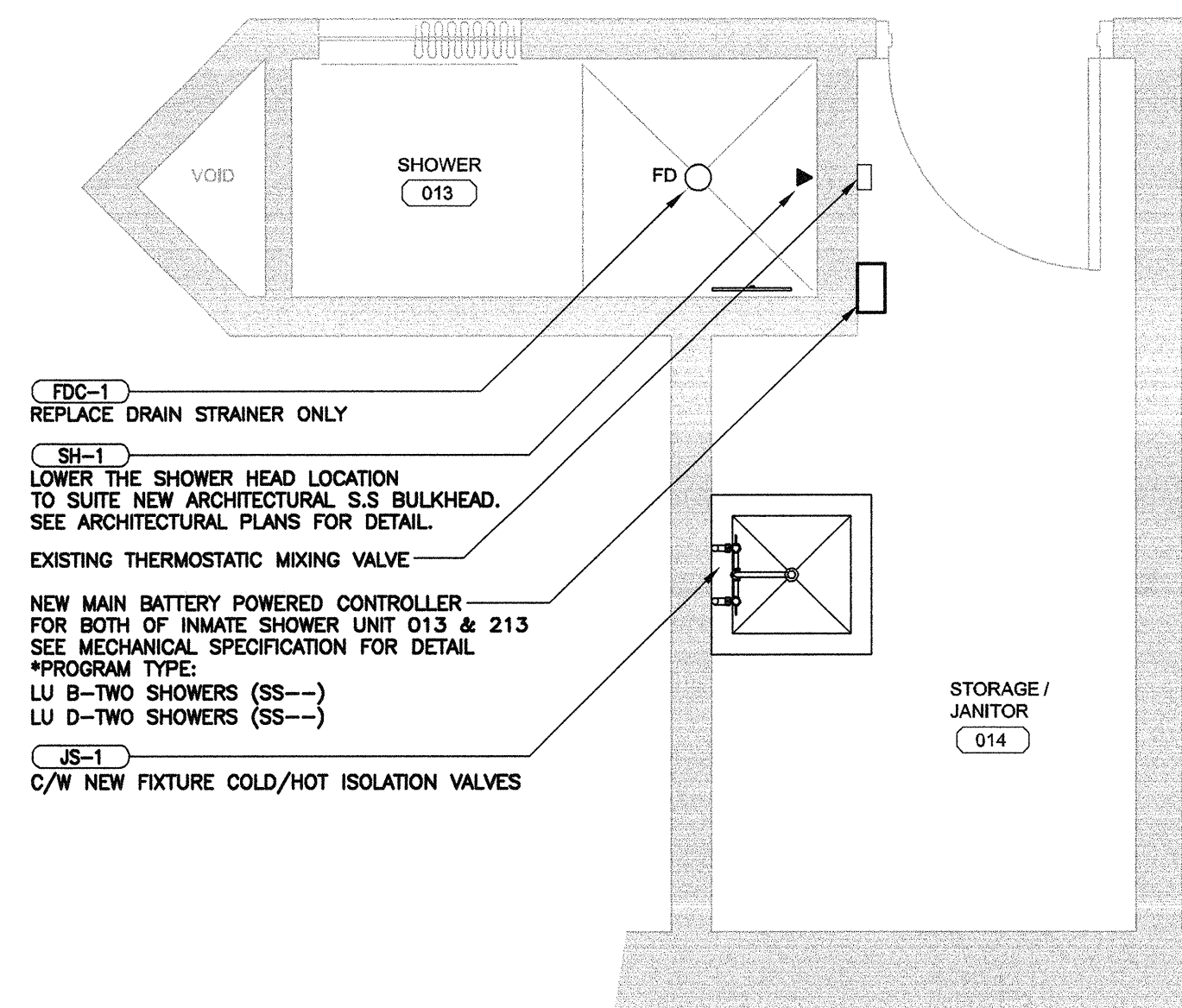
TYP. EXT'G JANITOR SINK (104)  
N.T.S.



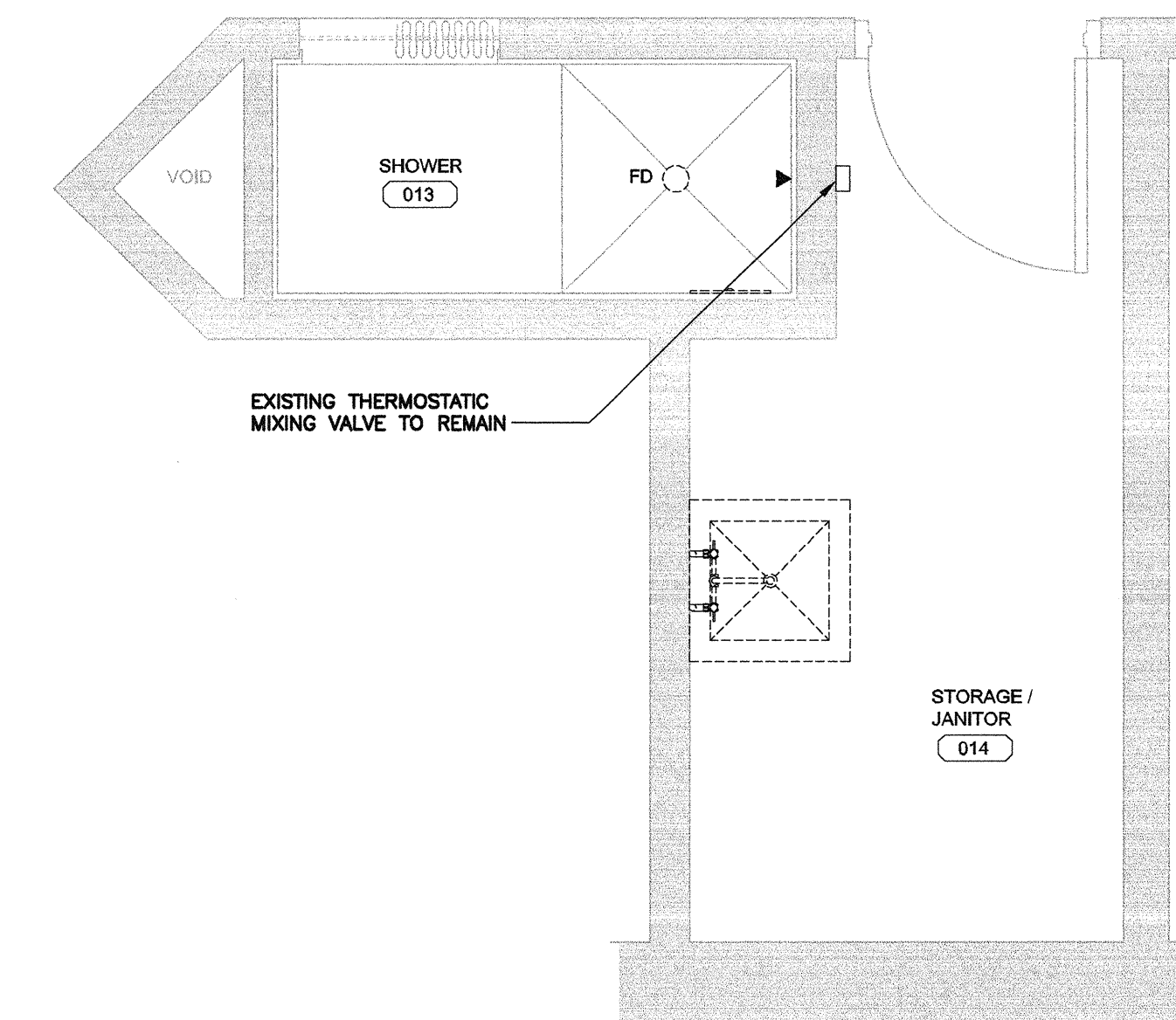
TYP. EXT'G SHOWER EQUIPMENT (104)  
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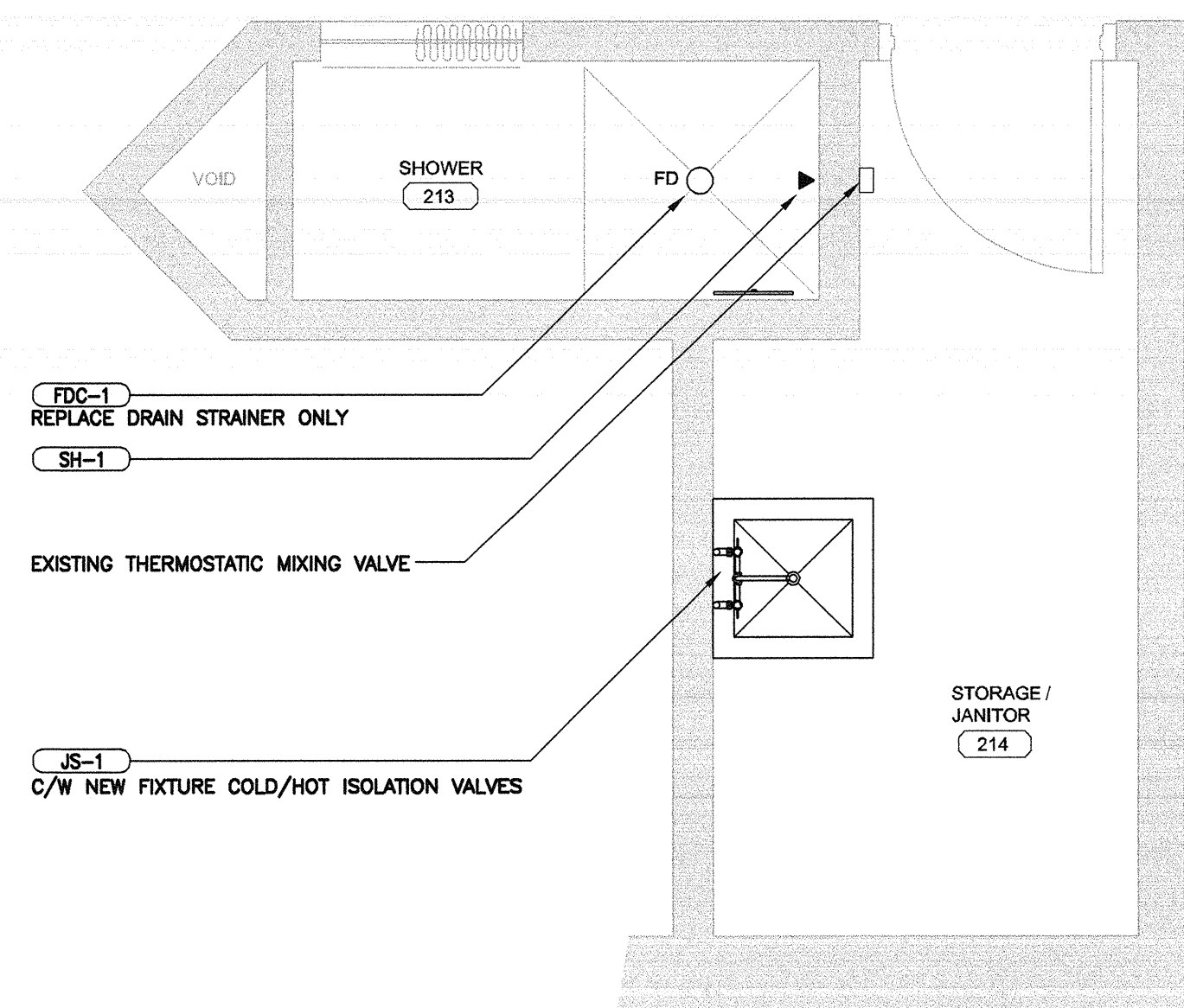
TYP. EXT'G SHOWER (103)  
N.T.S.



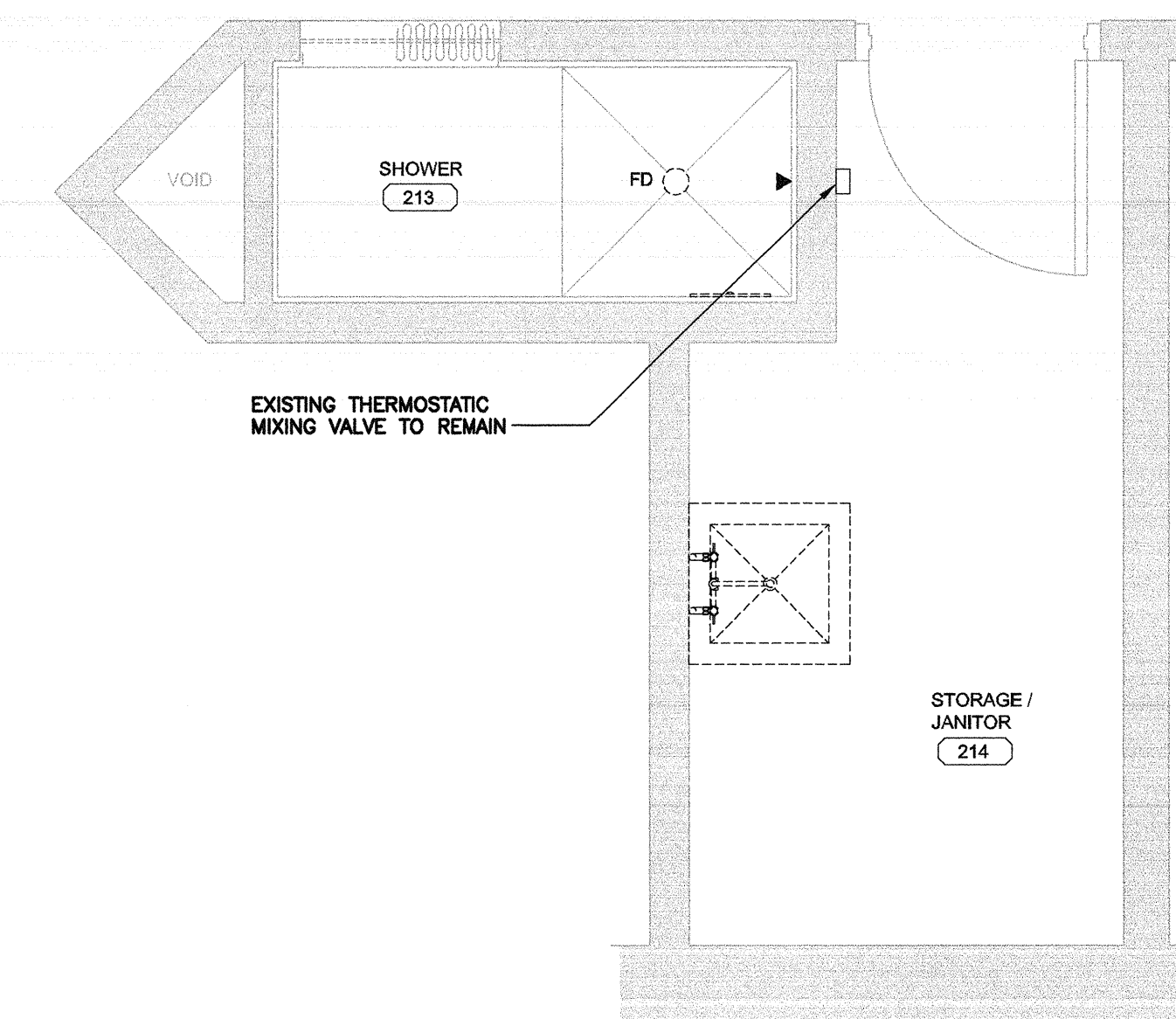
1B ROOMS 013, 014 FOR UNITS B AND D  
P1-03 1:25  
NEW PLUMBING PLAN



1A ROOMS 013, 014 FOR UNITS B AND D  
P1-03 1:25  
DEMOLITION PLUMBING PLAN



2B ROOMS 213, 214 FOR UNITS B AND D  
P1-03 1:25  
NEW PLUMBING PLAN



2A ROOMS 213, 214 FOR UNITS B AND D  
P1-03 1:25  
DEMOLITION PLUMBING PLAN

GENERAL NOTES: (DEMOLITION)  
 1. REMOVE EXISTING PLUMBING FIXTURES UNLESS NOTED OTHERWISE.  
 2. CAP-OFF EXISTING WATER PIPE CONNECTIONS FOR RENO.  
 3. REFER PHOTOS ON THIS DRAWING.  
 4. REMOVE EXT'G ACCESS PANELS & INSTALL NEW MORTICE CYLINDER LOCK ACCESS PANELS. SEE ARCH PLANS FOR DETAILS. (TYP. FOR ALL)

GENERAL NOTES: (RENOVATION)  
 1. SEE PLUMBING FIXTURE SPECIFICATION FOR DETAIL.  
 2. CONNECT WITH EXISTING WATER/DRAIN PIPING UNLESS NOTED OTHERWISE.  
 3. RE-USE EXISTING PLUMBING FIXTURE CABINETS UNLESS NOTED OTHERWISE.  
 4. INSTALL NEW THERMOSTATIC MIXING VALVE AT JANITOR SINK, LAVATORY, AND KITCHEN SINK HOT WATER SUPPLY PIPE UNLESS NOTED OTHERWISE. SEE PLUMBING FIXTURE SPECIFICATION FOR SET TEMPERATURE.  
 5. INSTALL NEW 250(1)x250(1)x200(d) STAINLESS STEEL LOCKABLE BOXES FOR HOUSING THE BATTERY POWER CONTROLLERS. (TYP. FOR ALL)

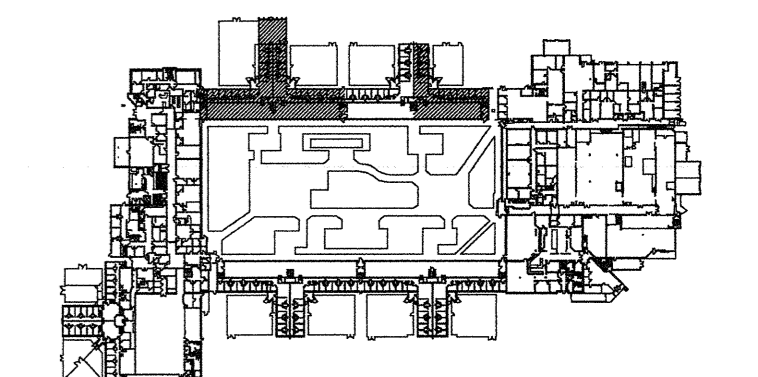




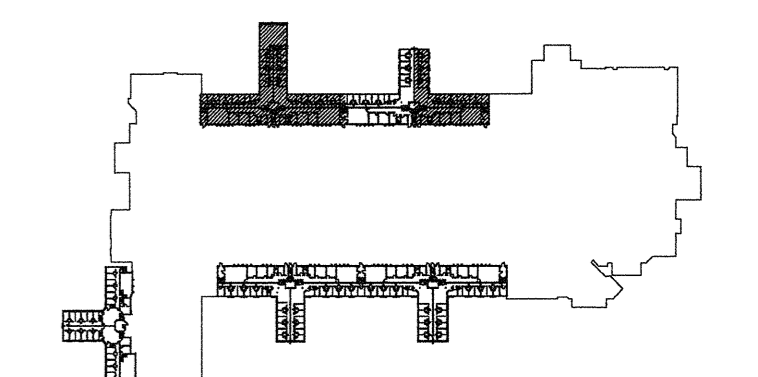
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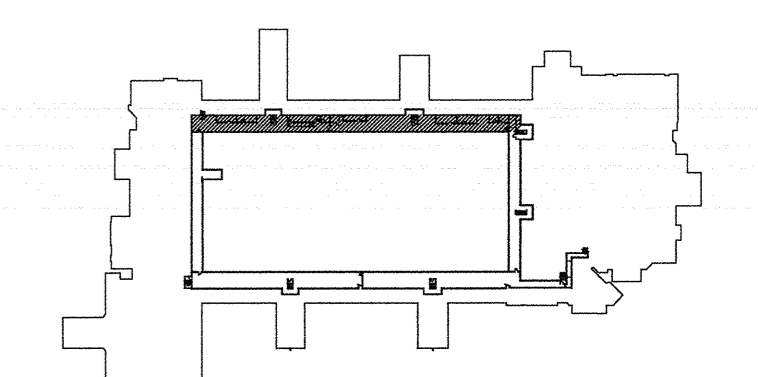
PROJECT #115616385



MAIN FLOOR LEVEL



UPPER LEVEL



TUNNEL LEVEL



1	ISSUED FOR TENDER	2017.08.16
Revision	Description/Description	Date/Date

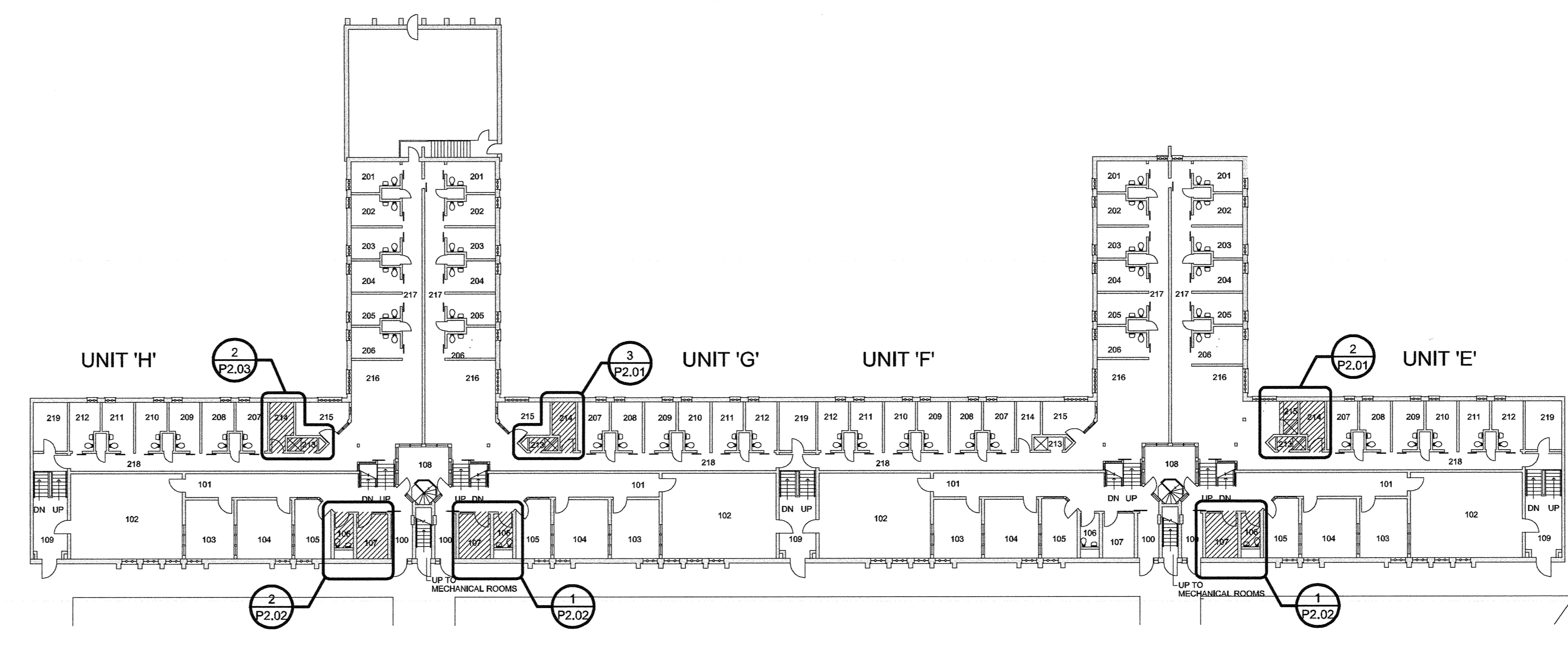
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**CORRECTIONAL SERVICE OF CANADA**

Project title/Titre du projet  
**AGASSIZ, BC  
KENT MAXIMUM SECURITY INSTITUTION  
MECHANICAL SYSTEM UPGRADE FOR CELL BLOCKS A through H and J & K**

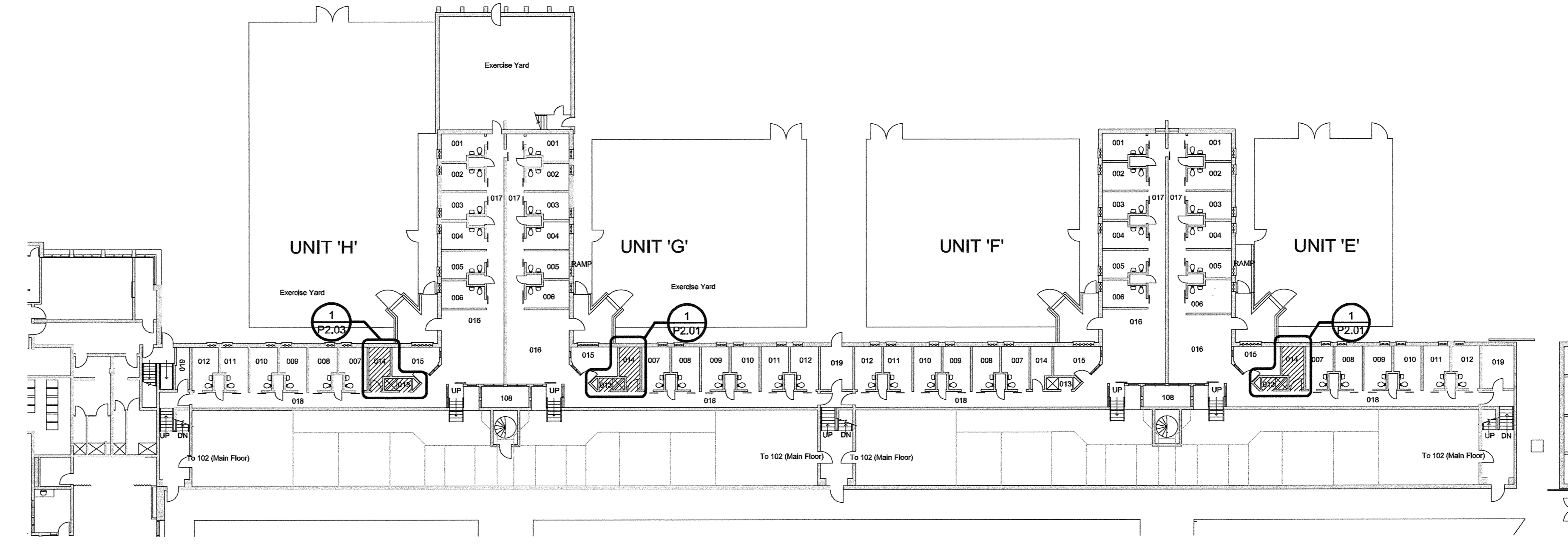
Consultant Signature Box Only  
Designed by/Concept par  
**SH / HG**  
Drawn by/Dessiné par  
**SH**  
PWOSC Project Manager/Administrateur de Projets TPSOC  
**MARVIN NG**  
PWOSC Regional Manager, Architectural and Engineering Services/  
Gestionnaire régionale, Services d'architecture et de génie, TPSOC  
**PREETIPAL PAUL**  
Drawing title/Titre du dessin

**LIVING UNITS E, G, H  
KEY PLANS**

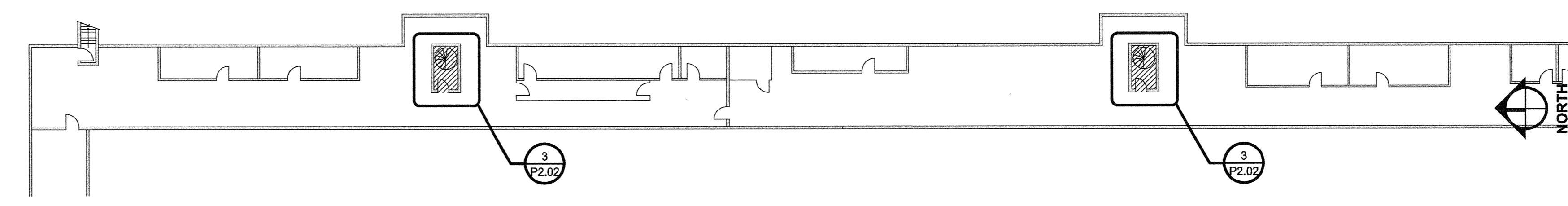
Project No./No. du projet <b>R.077723.001</b>	Sheet/Fuille <b>P2-00</b>	Revision no./ La Révision no. <b>1</b>
		45 OF 53



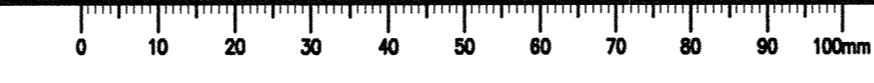
**1 PARTIAL UPPER FLOOR PLAN**  
P2-00 1:250



**2 PARTIAL MAIN FLOOR PLAN**  
P2-00 1:250



**3 PARTIAL TUNNEL LEVEL**  
P2-00 1:250

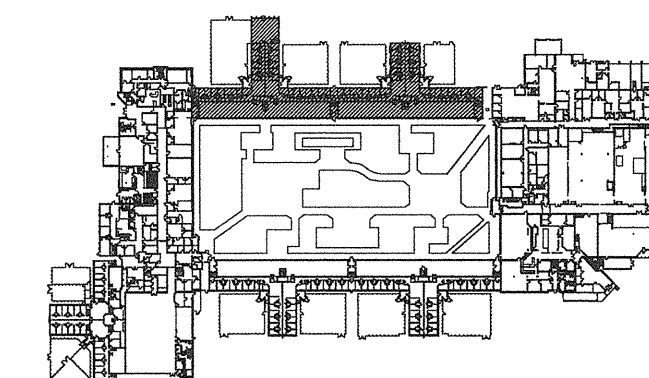




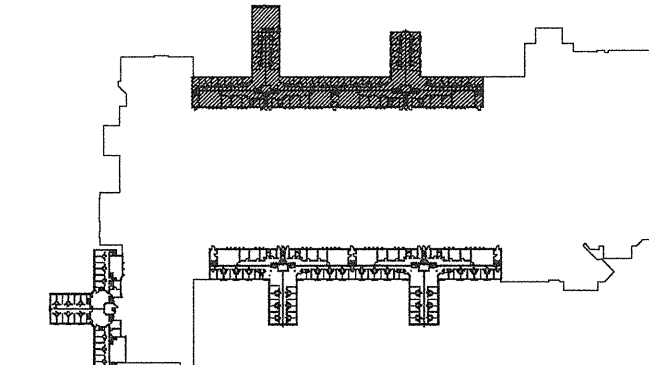
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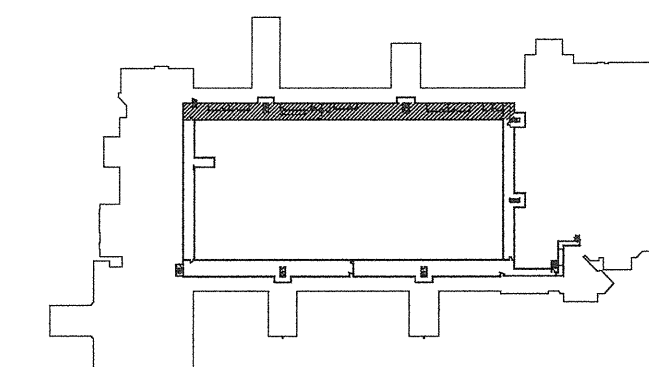
PROJECT #115816385



MAIN FLOOR LEVEL



UPPER LEVEL



TUNNEL LEVEL

AUG 16 2017



1	ISSUED FOR TENDER	2017.08.16
History/Revision	Description/Description	Date/Date

Client/client

CORRECTIONAL SERVICE OF CANADA

Project Title/Titre du projet

AGASSIZ, BC KENT MAXIMUM SECURITY INSTITUTION

MECHANICAL SYSTEM UPGRADE FOR CELL BLOCKS A through H and J & K

Consultant Signature Box Only

Designed by/Concept par

SH /HG

Drawn by/Dessiné par

SH

PWGSC Project Manager/Administrateur de Projets TPSCG

MARVIN NG

PWGSC Regional Manager, Architectural and Engineering Services / Gestionnaire régional, Services d'architectural et de gén., TPSCG

PREETIPAL PAUL

Drawing Title/Titre du dessin

LIVING UNITS E, G, H DEMOLITION & NEW PLUMBING PLANS

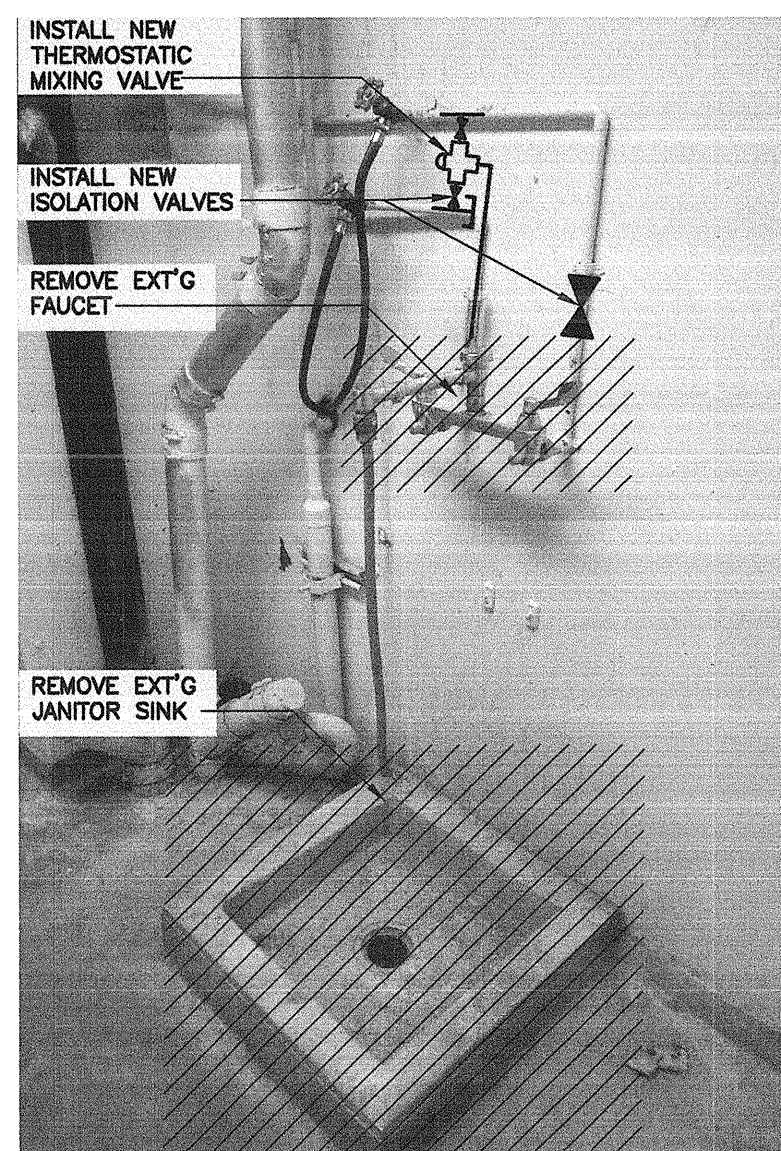
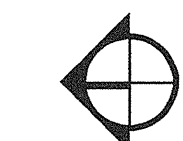
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R.077723.001

P2-01

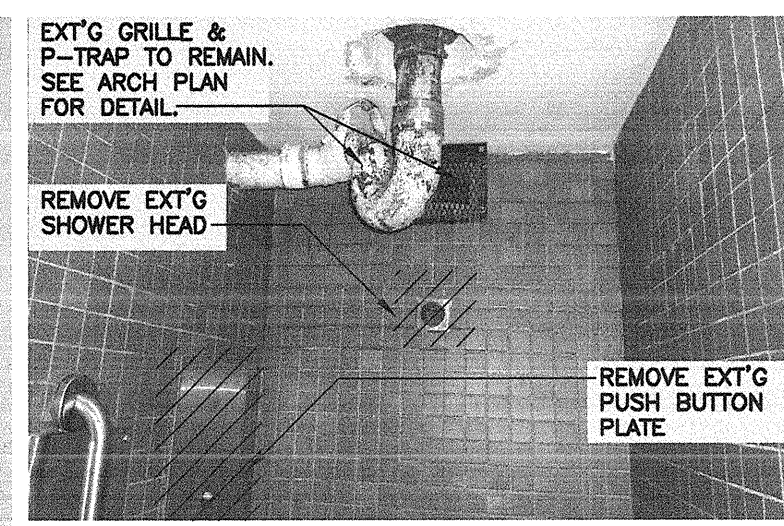
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46 OF 53



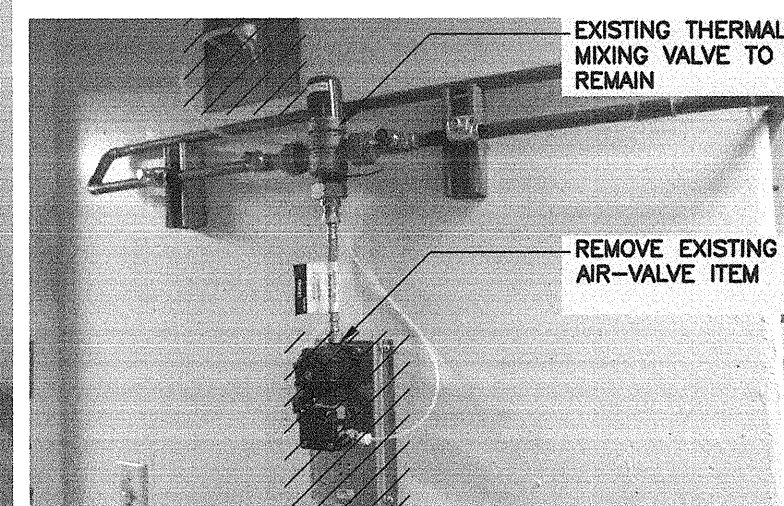
TYP. EXT'G JANITOR SINK (104)

N.T.S.



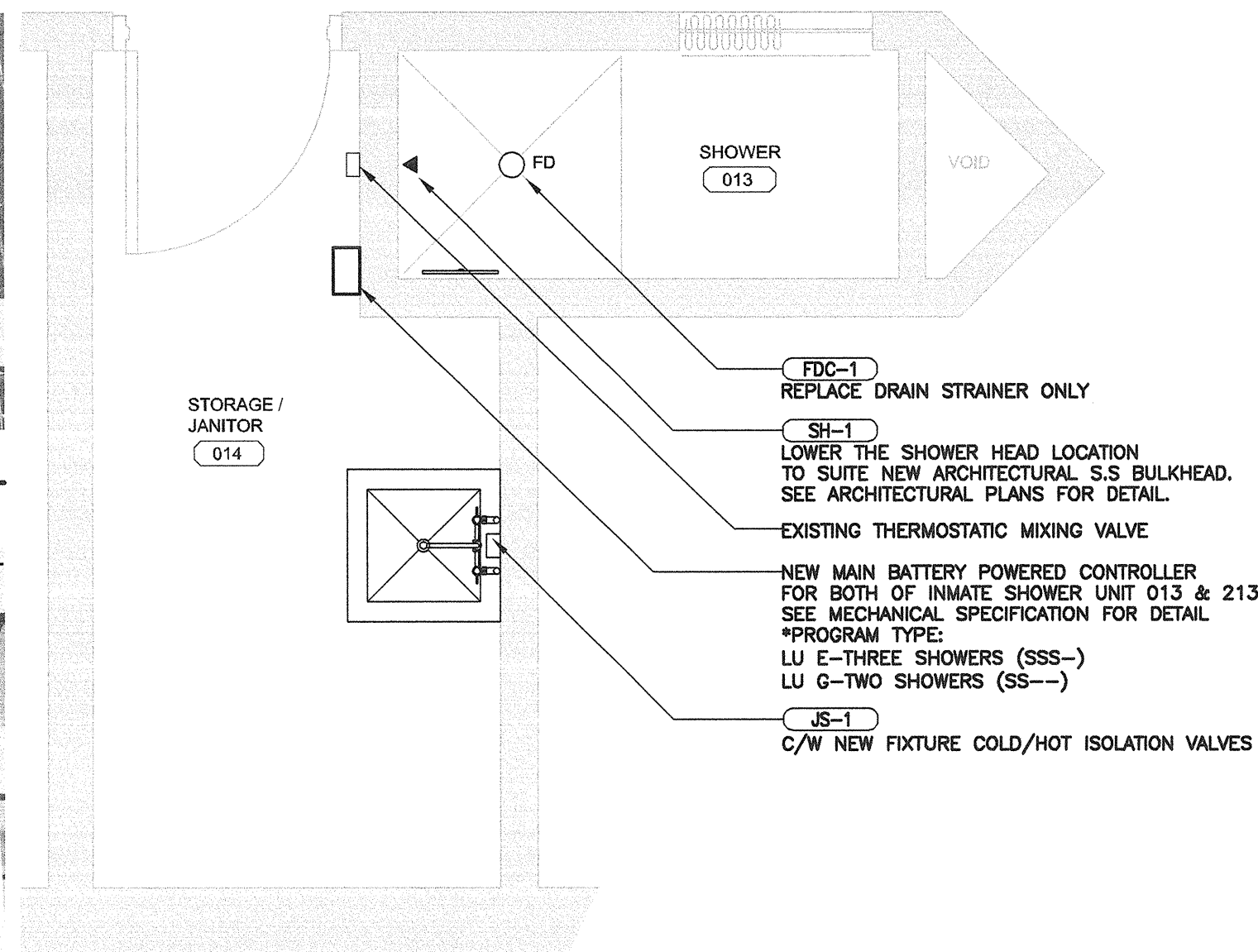
TYP. EXISTING SHOWER (103)

N.T.S.



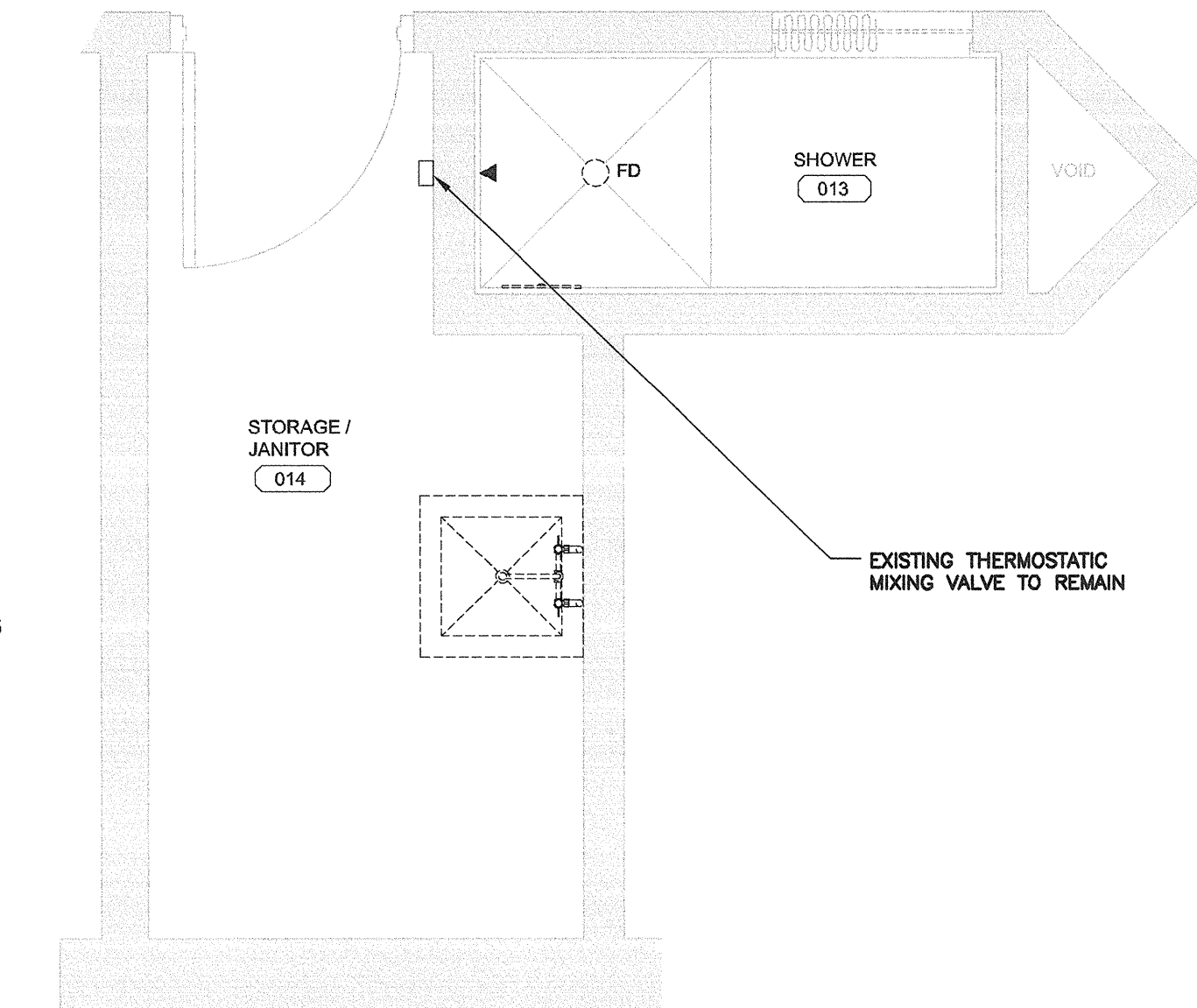
TYP. EXT'G SHOWER EQUIPMENT (104)

N.T.S.



ROOM 013, 014 FOR UNITS E AND G NEW PLUMBING PLAN

1B P2-01 1:25

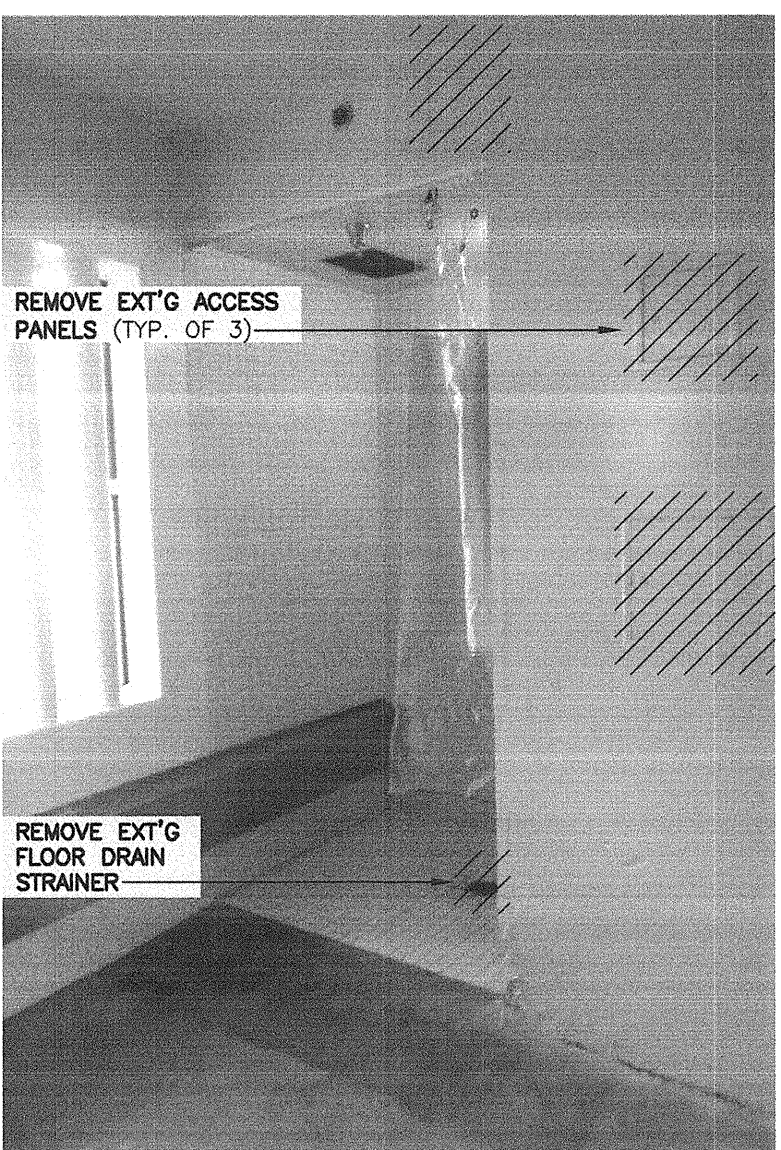


ROOM 013, 014 FOR UNITS E AND G DEMOLITION PLUMBING PLAN

1A P2-01 1:25

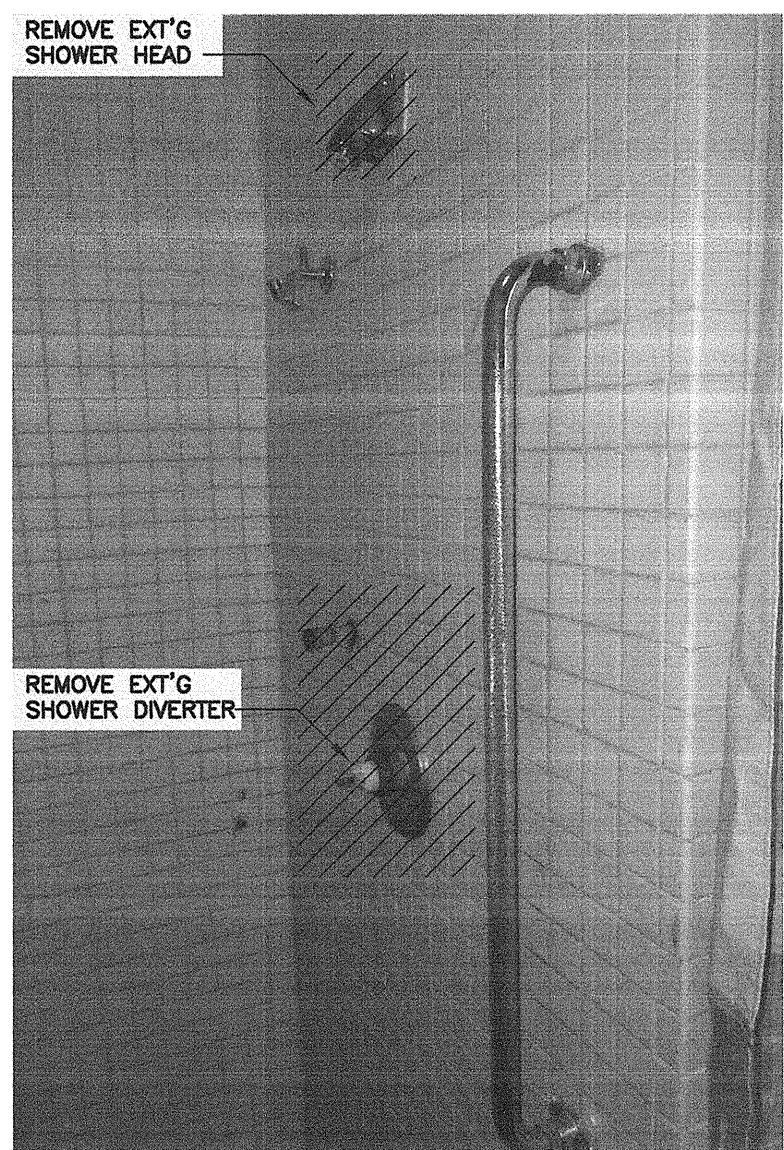
- GENERAL NOTES: (DEMOLITION)
1. REMOVE EXISTING PLUMBING FIXTURES UNLESS NOTED OTHERWISE.
  2. CAP-OFF EXISTING WATER PIPE CONNECTIONS FOR RENO.
  3. REFER PHOTOS ON THIS DRAWING.
  4. REMOVE EXT'G ACCESS PANELS & INSTALL NEW MORTICE CYLINDER LOCK ACCESS PANELS. SEE ARCH PLANS FOR DETAILS. (TYP. FOR ALL)

- GENERAL NOTES: (RENOVATION)
1. SEE PLUMBING FIXTURE SPECIFICATION FOR DETAIL.
  2. CONNECT WITH EXISTING WATER/DRAIN PIPING UNLESS NOTED OTHERWISE.
  3. RE-USE EXISTING PLUMBING FIXTURE CARRIERS UNLESS NOTED OTHERWISE.
  4. INSTALL NEW THERMOSTATIC MIXING VALVE AT JANITOR SINK, LAVATORY, KITCHEN SINK HOT WATER SUPPLY PIPE UNLESS NOTED OTHERWISE. SEE PLUMBING FIXTURE SPECIFICATION FOR SET TEMPERATURE.
  5. INSTALL NEW 250(w)x250(h)x200(d) STAINLESS STEEL LOCKABLE BOXES FOR HOUSING THE BATTERY POWER CONTROLLERS. (TYP. FOR ALL)



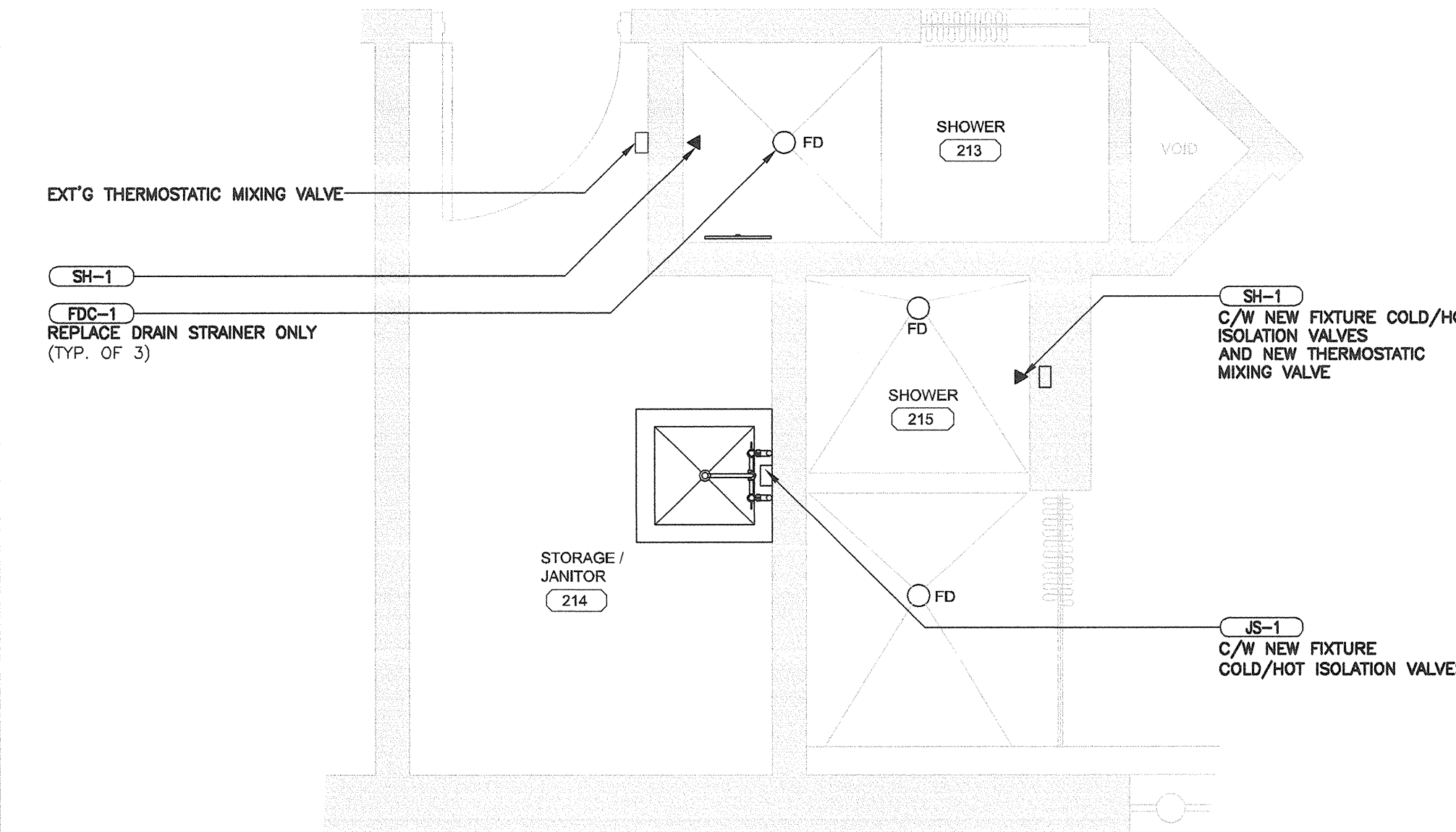
EXT'G ACCESS PANELS (215)

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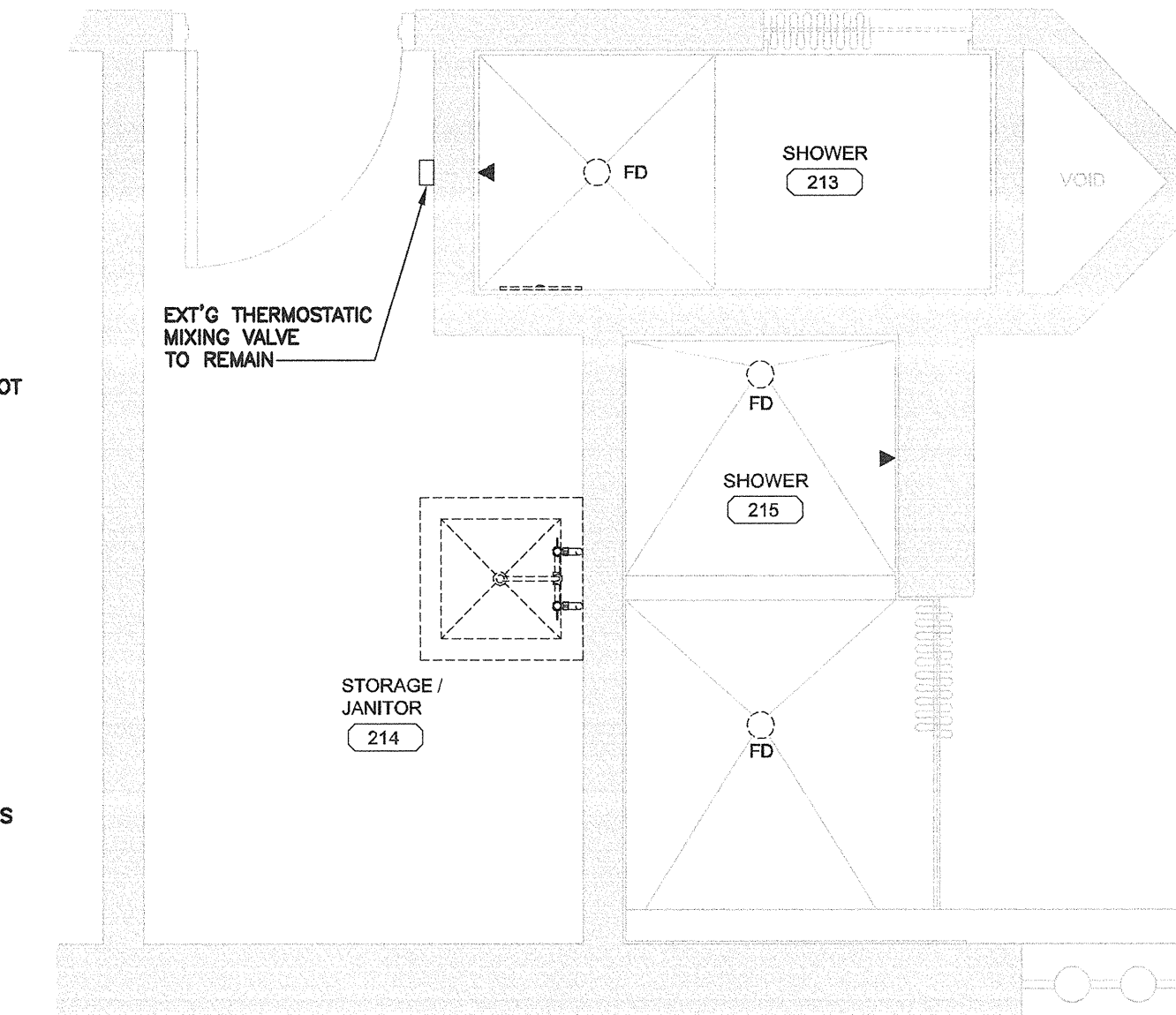
EXT'G SHOWER (215)

N.T.S.



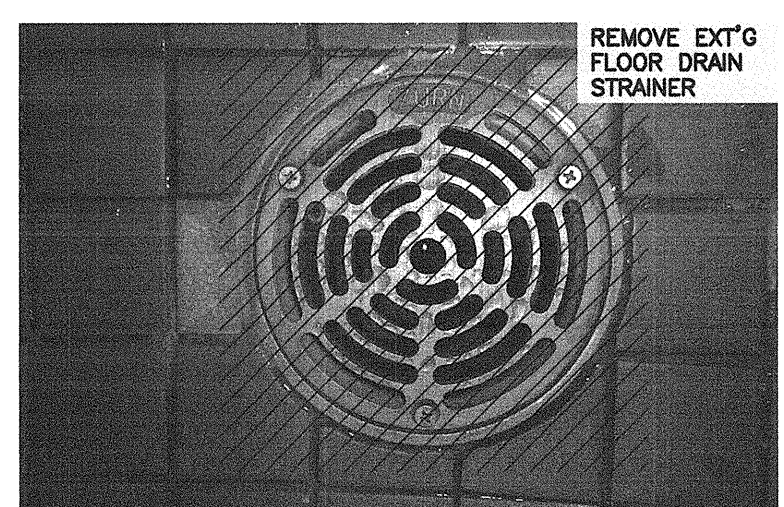
ROOMS 213, 215 FOR UNIT E NEW PLUMBING PLAN

2B P2-01 1:25



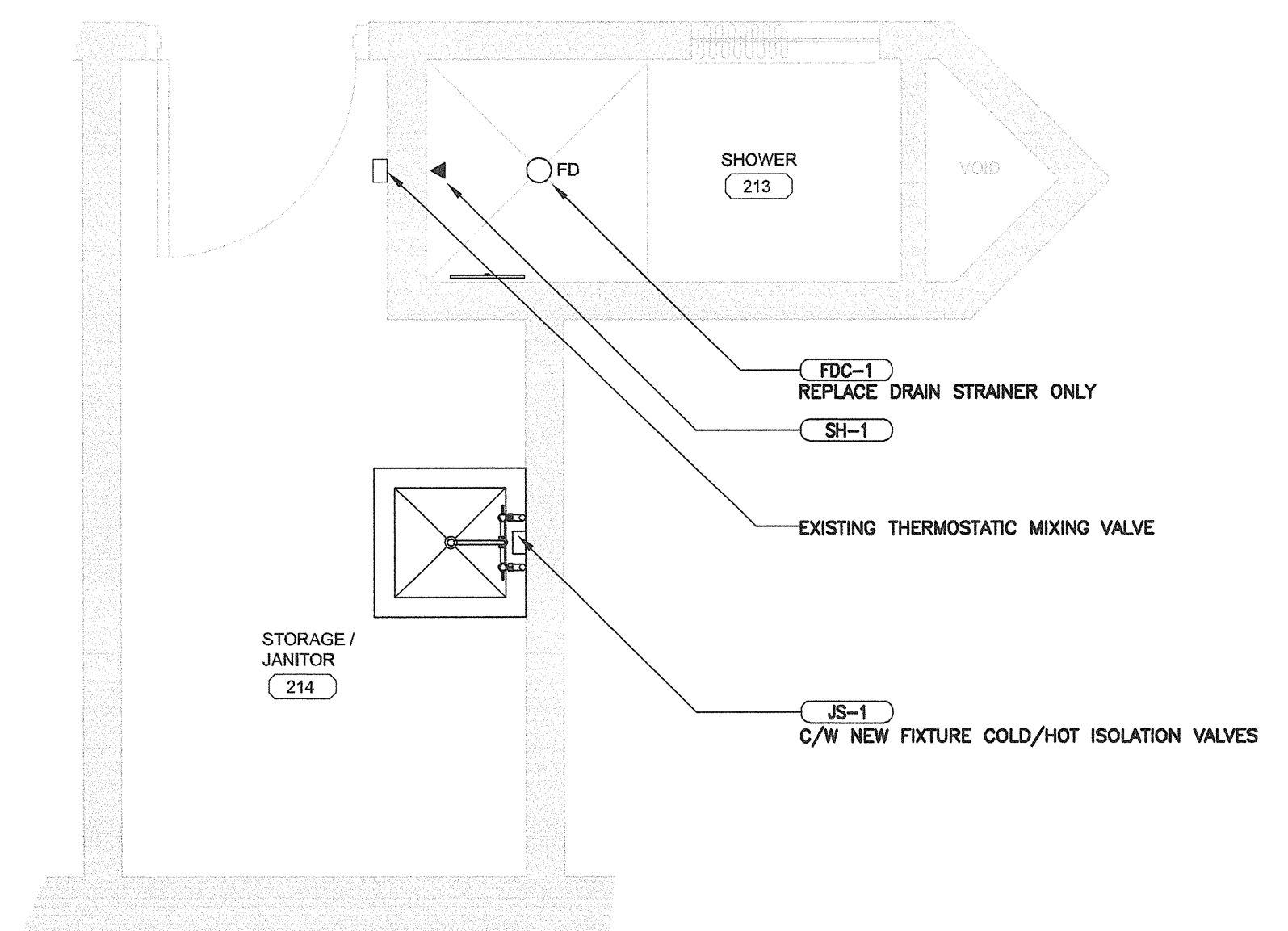
ROOMS 213, 215 FOR UNIT E DEMOLITION PLUMBING PLAN

2A P2-01 1:25



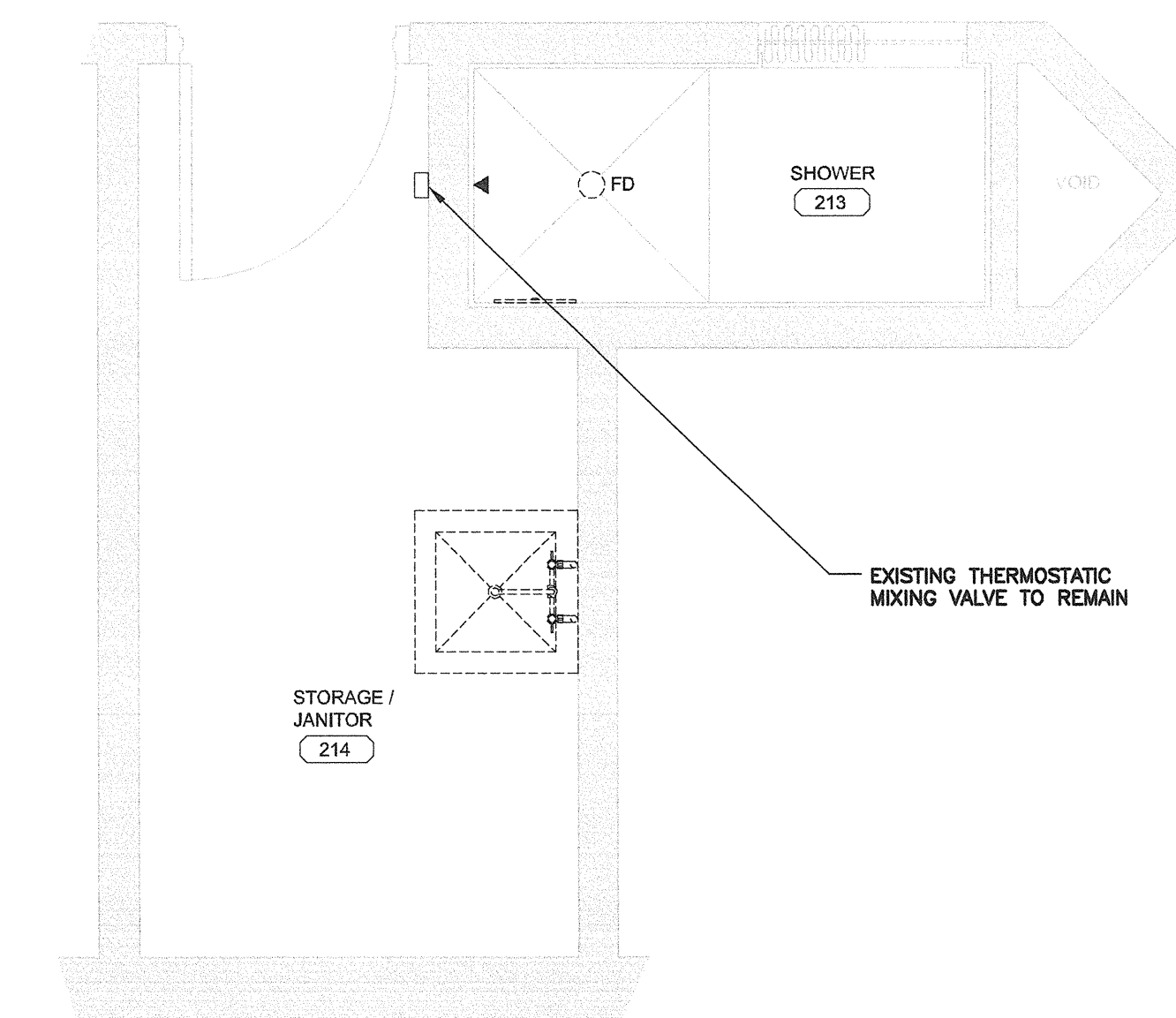
TYP. EXT'G SHOWER DRAIN (213)

N.T.S.



ROOMS 213, 214 FOR UNIT G NEW PLUMBING PLAN

3B P2-01 1:25



ROOMS 213, 214 FOR UNIT G DEMOLITION PLUMBING PLAN

3A P2-01 1:25

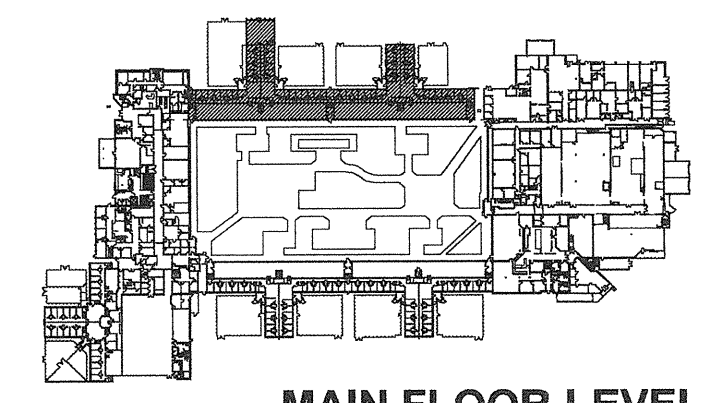




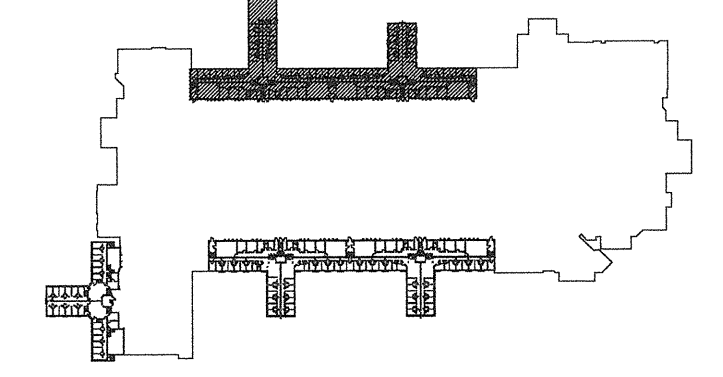
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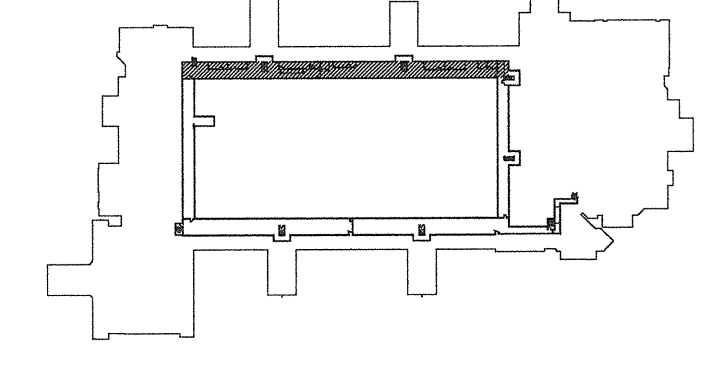
PROJECT #115616385



MAIN FLOOR LEVEL



UPPER LEVEL



TUNNEL LEVEL



1	ISSUED FOR TENDER	2017-08-16
Revision/Revisión	Description/Description	Date/Date

Client/Client

**CORRECTIONAL SERVICE OF CANADA**

Project title/Titre du projet  
**AGASSIZ, BC KENT MAXIMUM SECURITY INSTITUTION**  
**MECHANICAL SYSTEM UPGRADE FOR CELL BLOCKS A through H and J & K**

Consultant Signature Box Only

Designed by/Concept par  
**SH/HG**

Drawn by/Dessiné par  
**SH**

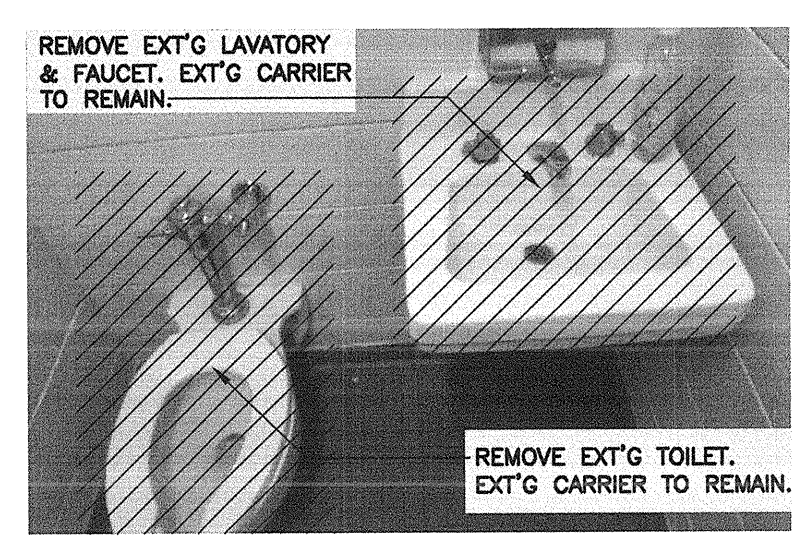
PWSSC Project Manager/Administrateur de Projets TPSGC  
**MARVIN NG**

PWSSC Regional Manager, Architectural and Engineering Services /  
 gestionnaire régionale, services d'architecture et de génie, TPSGC  
**PREETIPAL PAUL**

Drawing title/Titre du dessin

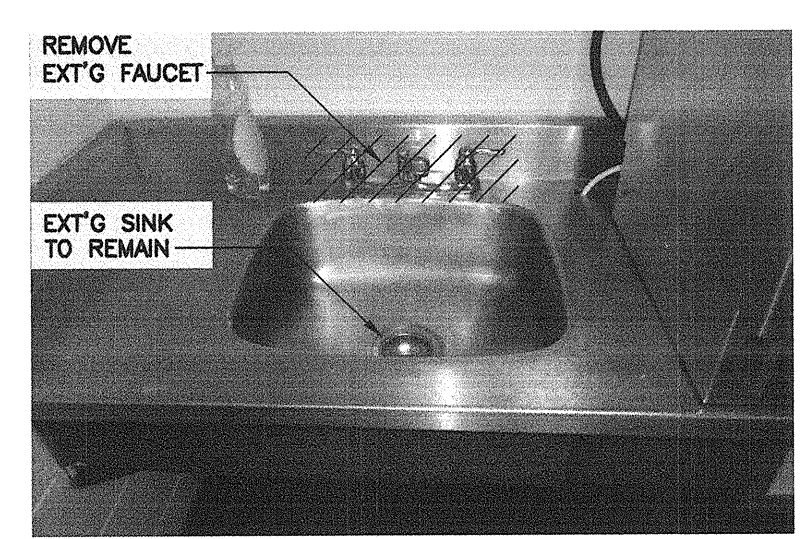
**LIVING UNITS E, G, H DEMOLITION & NEW PLUMBING PLANS**

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
<b>R.077723.001</b>	<b>P2-02</b>	<b>1</b>



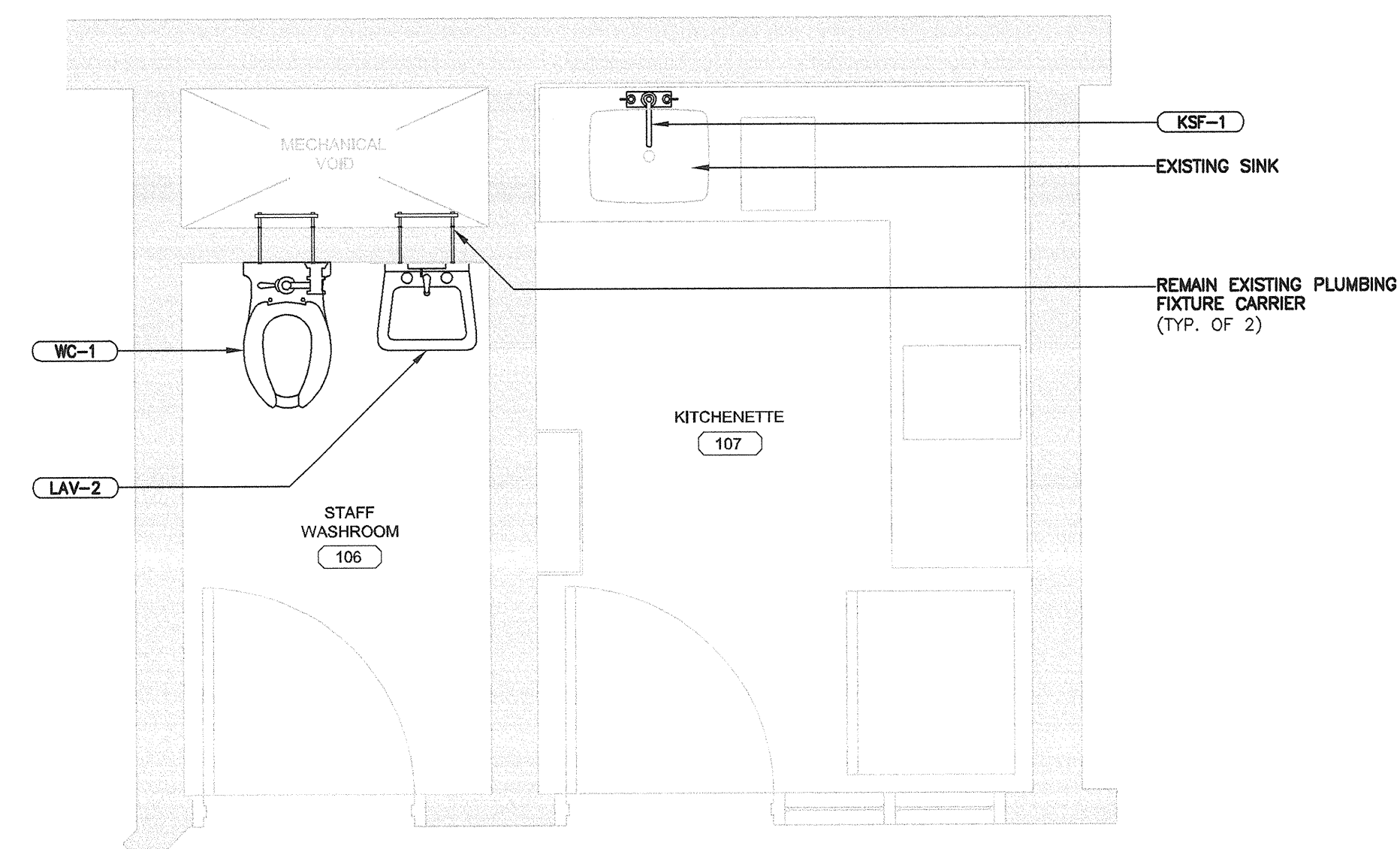
**TYP. EXT'G LAV & WC (106)**

N.T.S



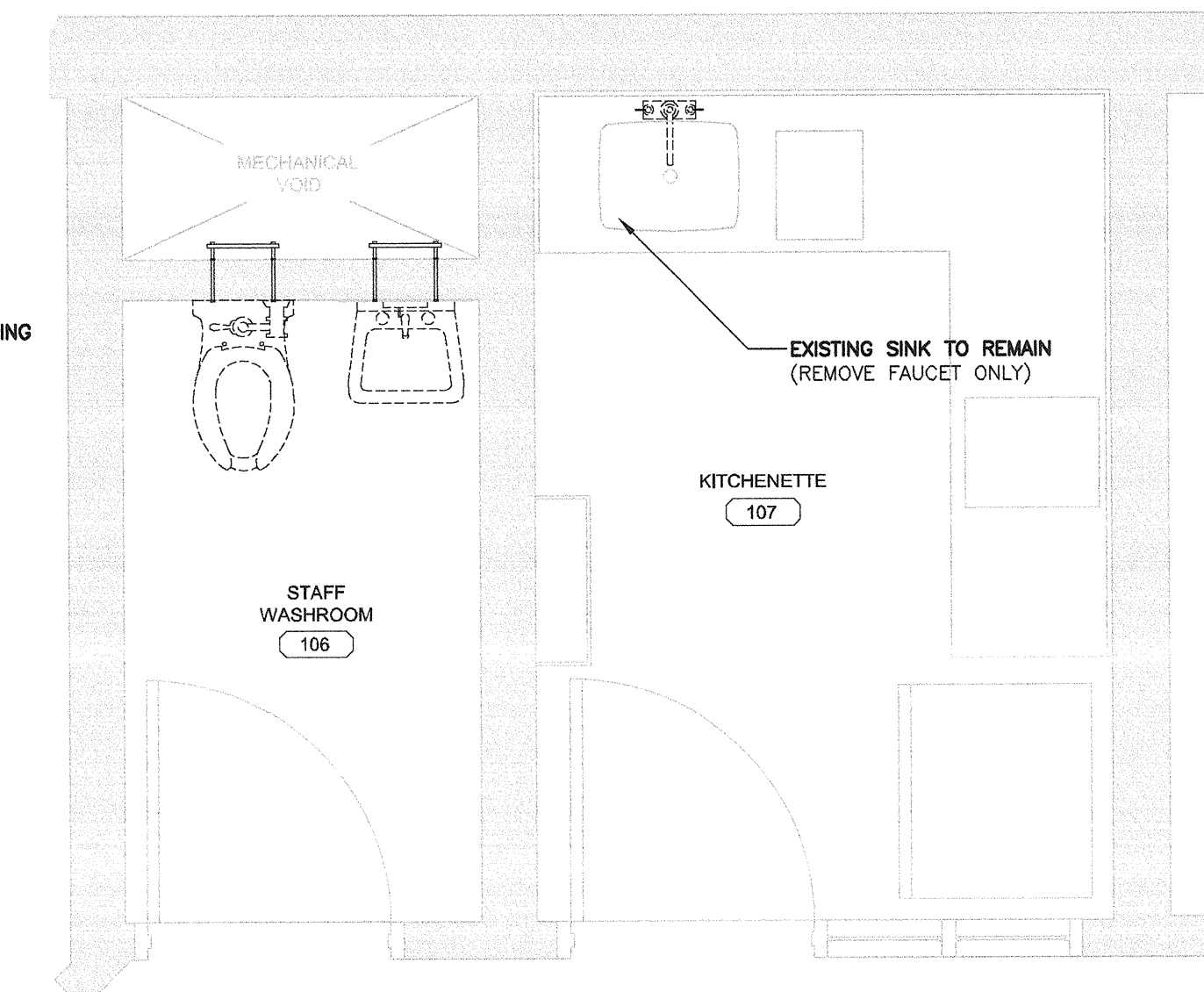
**TYP. EXT'G FAUCET (107)**

N.T.S



**ROOMS 106, 107 FOR UNITS E AND G NEW PLUMBING PLAN**

1B  
P2-02 1:25

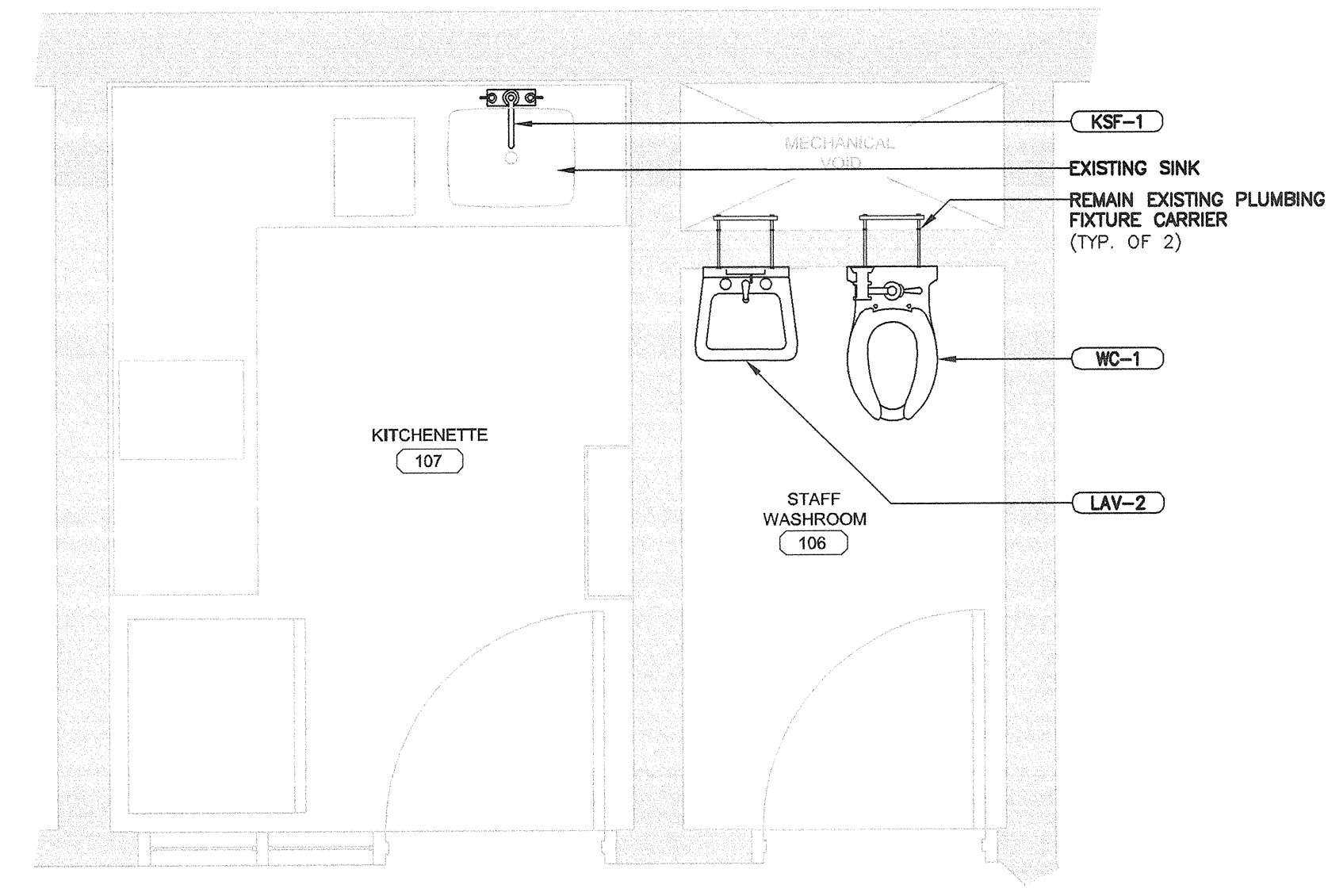


**ROOMS 106, 107 FOR UNITS E AND G DEMOLITION PLUMBING PLAN**

1A  
P2-02 1:25

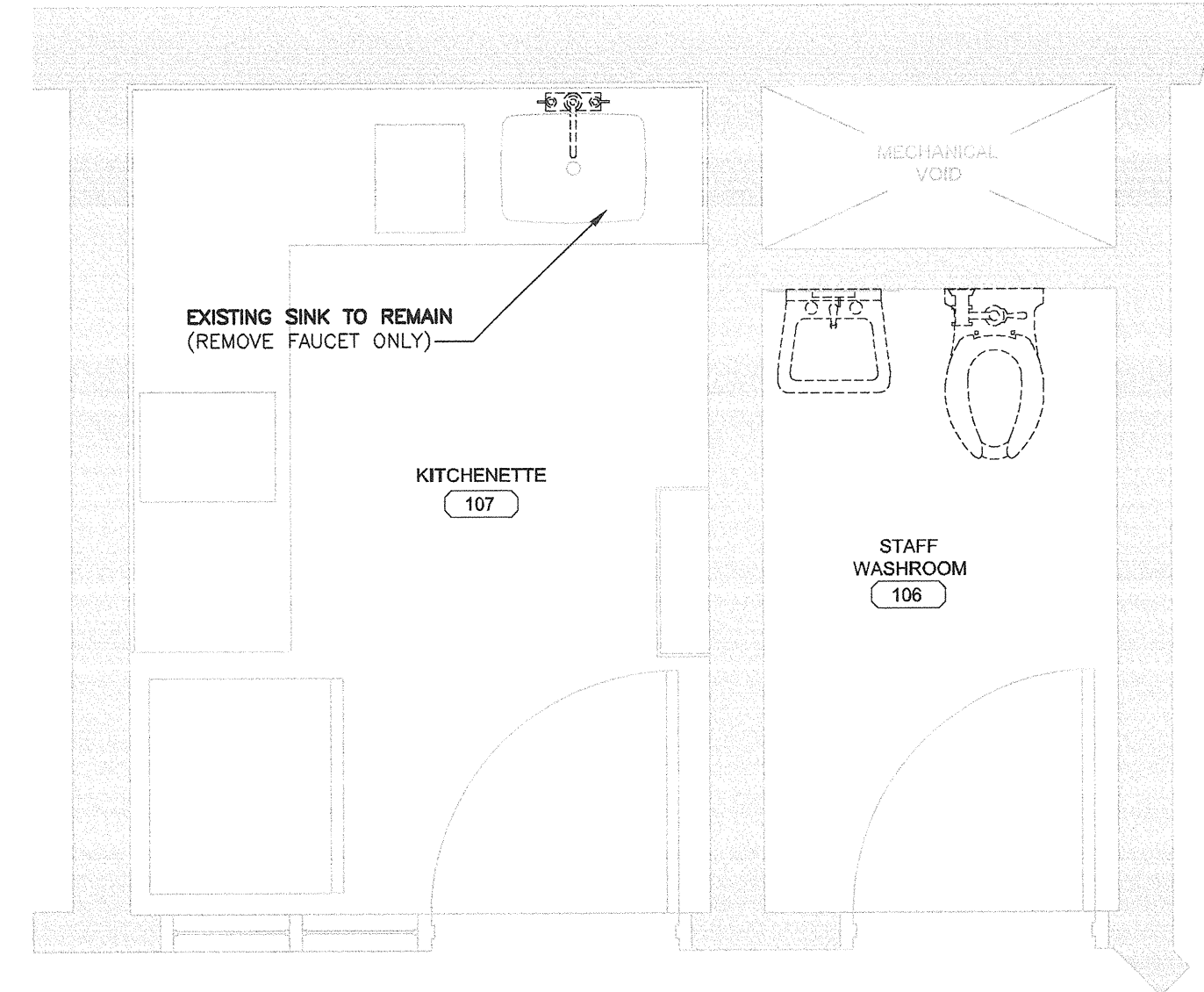
- GENERAL NOTES: (DEMOLITION)**
1. REMOVE EXISTING PLUMBING FIXTURES UNLESS NOTED OTHERWISE.
  2. CAP-OFF EXISTING WATER PIPE CONNECTIONS FOR RENO.
  3. REFER PHOTOS ON THIS DRAWING.
  4. REMOVE EXT'G ACCESS PANELS & INSTALL NEW MORTICE CYLINDER LOCK ACCESS PANELS. SEE ARCH PLANS FOR DETAILS. (TYP. FOR ALL)

- GENERAL NOTES: (RENOVATION)**
1. SEE PLUMBING FIXTURE SPECIFICATION FOR DETAIL.
  2. CONNECT WITH EXISTING WATER/DRAIN PIPING UNLESS NOTED OTHERWISE.
  3. RE-USE EXISTING PLUMBING FIXTURE CARRIERS UNLESS NOTED OTHERWISE.
  4. INSTALL NEW THERMOSTATIC MIXING VALVE AT JANITOR SINK, LAVATORY, KITCHEN SINK HOT WATER SUPPLY PIPE UNLESS NOTED OTHERWISE. SEE PLUMBING FIXTURE SPECIFICATION FOR SET TEMPERATURE.
  5. INSTALL NEW 250(1)x250(1)x200(1) STAINLESS STEEL LOCKABLE BOXES FOR HOUSING THE BATTERY POWER CONTROLLERS. (TYP. FOR ALL)



**ROOMS 106, 107 FOR UNIT H NEW PLUMBING PLAN**

2B  
P2-02 1:25



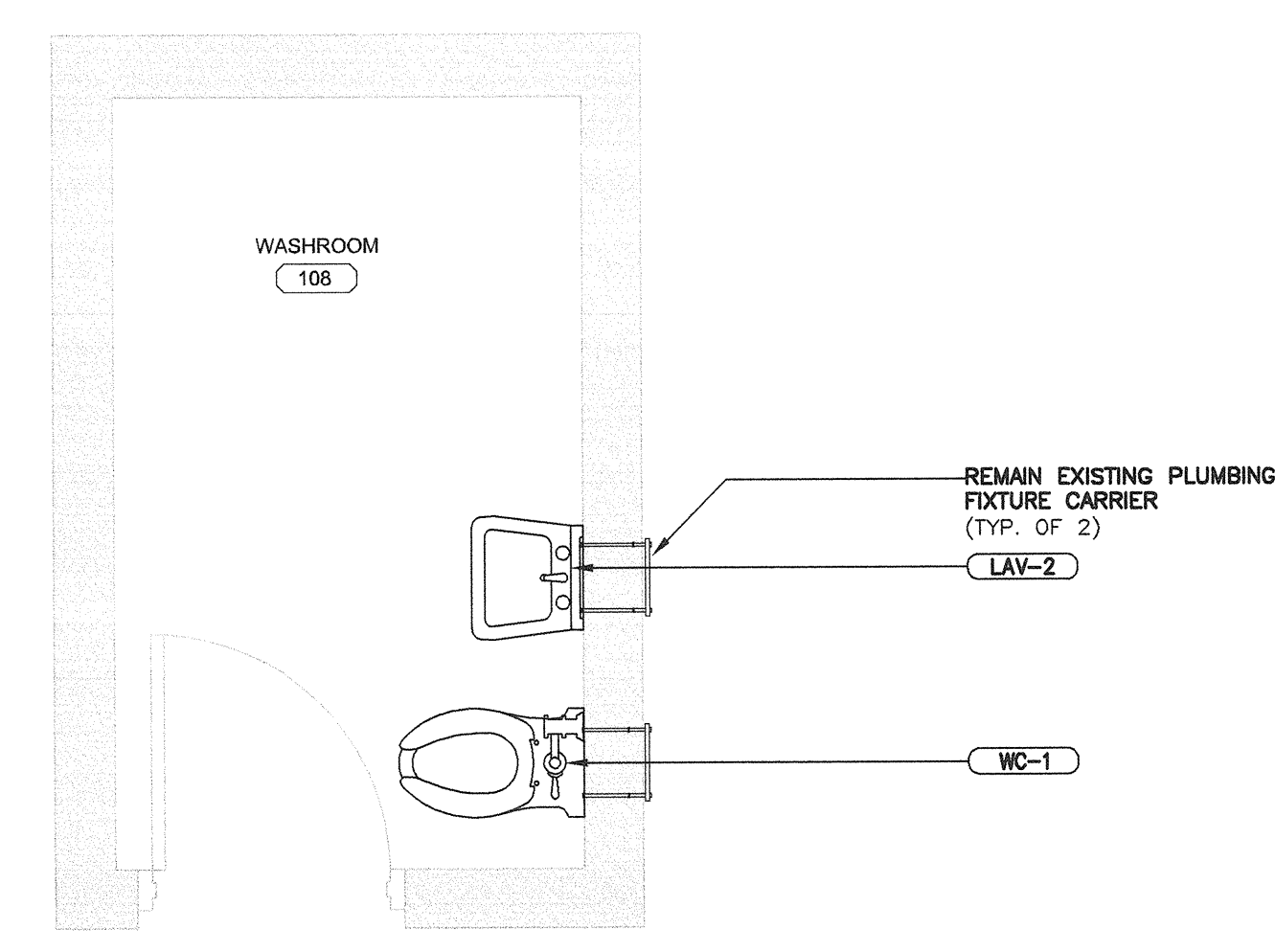
**ROOMS 106, 107 FOR UNIT H DEMOLITION PLUMBING PLAN**

2A  
P2-02 1:25



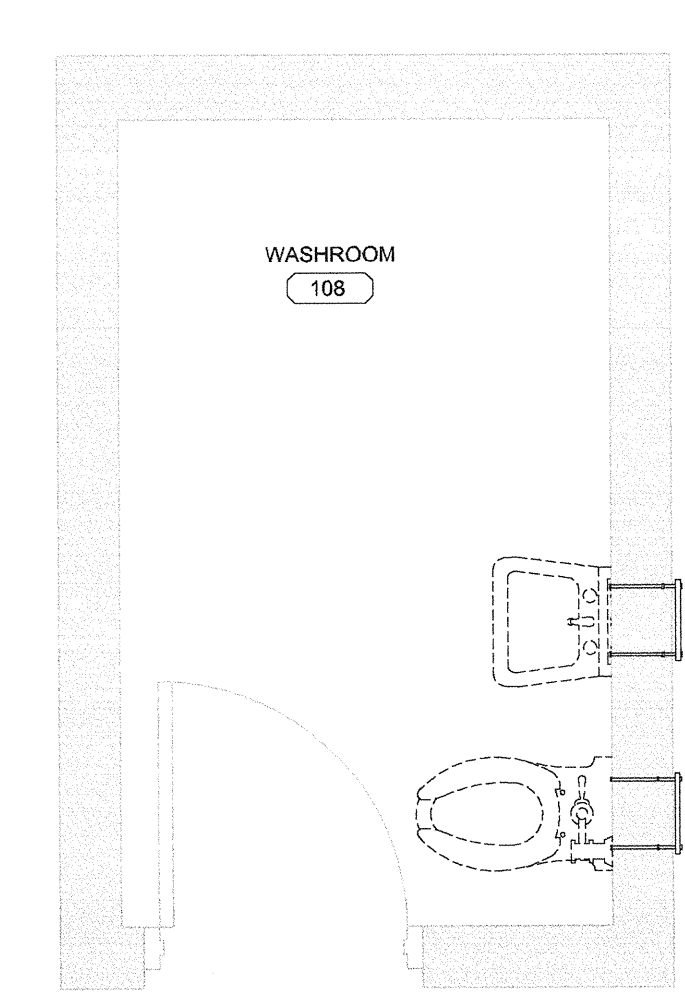
**TYP. EXT'G LAV & WC (108)**

N.T.S



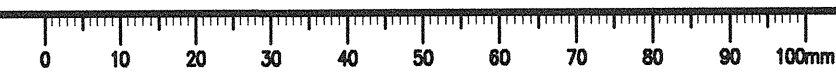
**BELOW CONTROL POST 108 UNITS E AND G/H - NEW PLUMBING PLAN**

3B  
P2-02 1:25



**BELOW CONTROL POST 108 UNITS E AND G/H - NEW PLUMBING PLAN**

3A  
P2-02 1:25

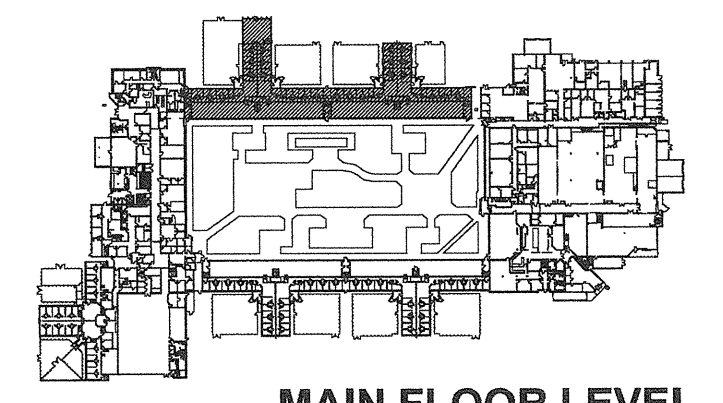




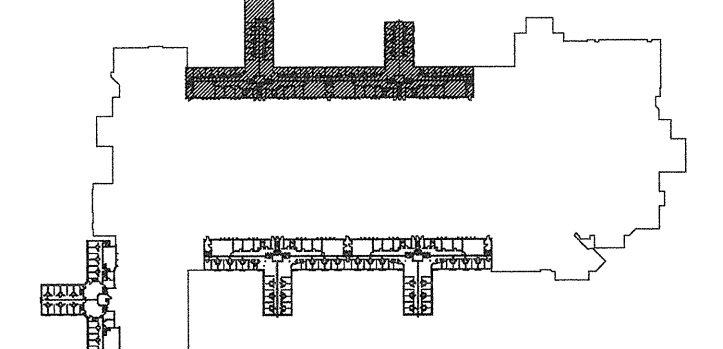
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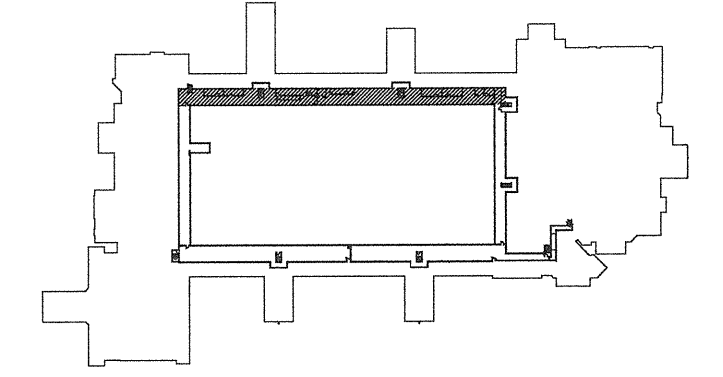
PROJECT #115616385



MAIN FLOOR LEVEL



UPPER LEVEL



TUNNEL LEVEL

AUG 16 2017



1	ISSUED FOR TENDER	2017.08.16
Revision / Révision	Description / Description	Date / Date

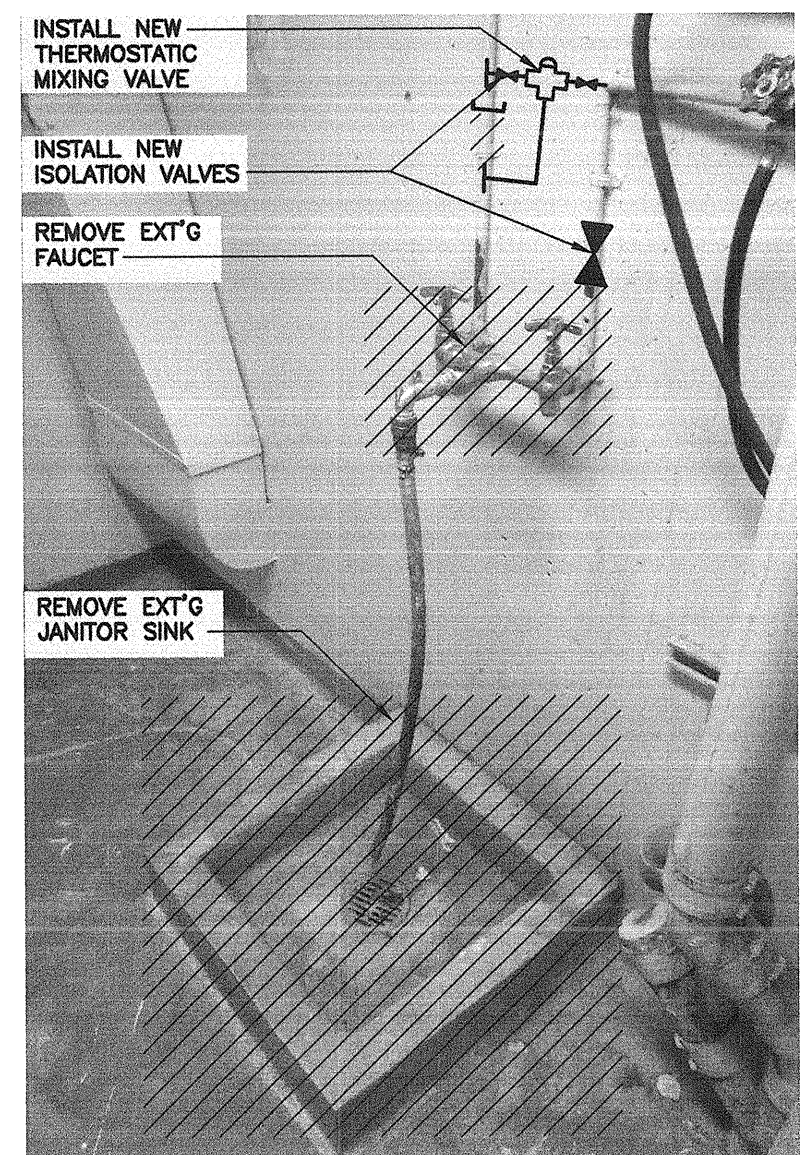
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Project title/Titre du projet: AGASSIZ, BC KENT MAXIMUM SECURITY INSTITUTION  
MECHANICAL SYSTEM UPGRADE FOR CELL BLOCKS A through H and J & K

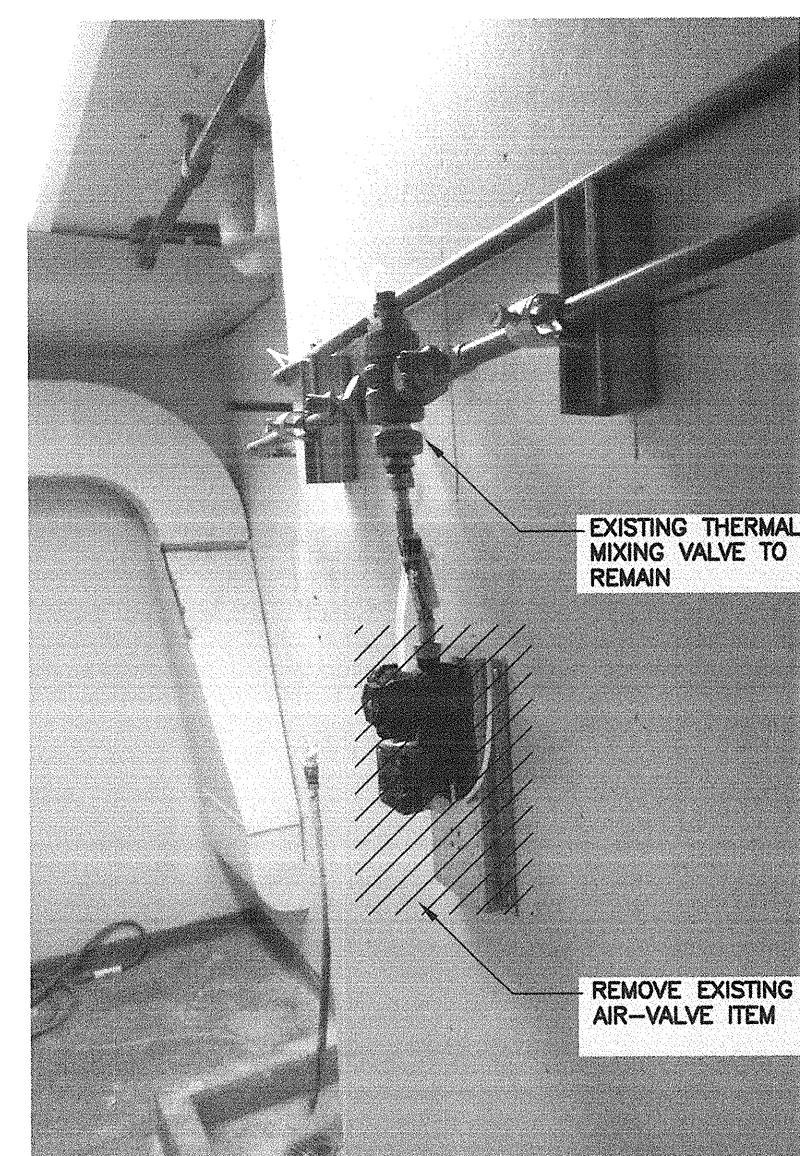
Consultant Signature Box Only  
Designed by/Concept par: SH / HG  
Drawn by/Dessiné par: SH  
PWSSC Project Manager/Administrateur de Projets TPSGC: MARVIN NG  
PWSSC Regional Manager, Architectural and Engineering Services / Gestionnaire régionale, services d'architecture et de génie, TPSGC: PREETIPAL PAUL

Drawing title/Titre du dessin: LIVING UNITS E, G, H DEMOLITION & NEW PLUMBING PLANS

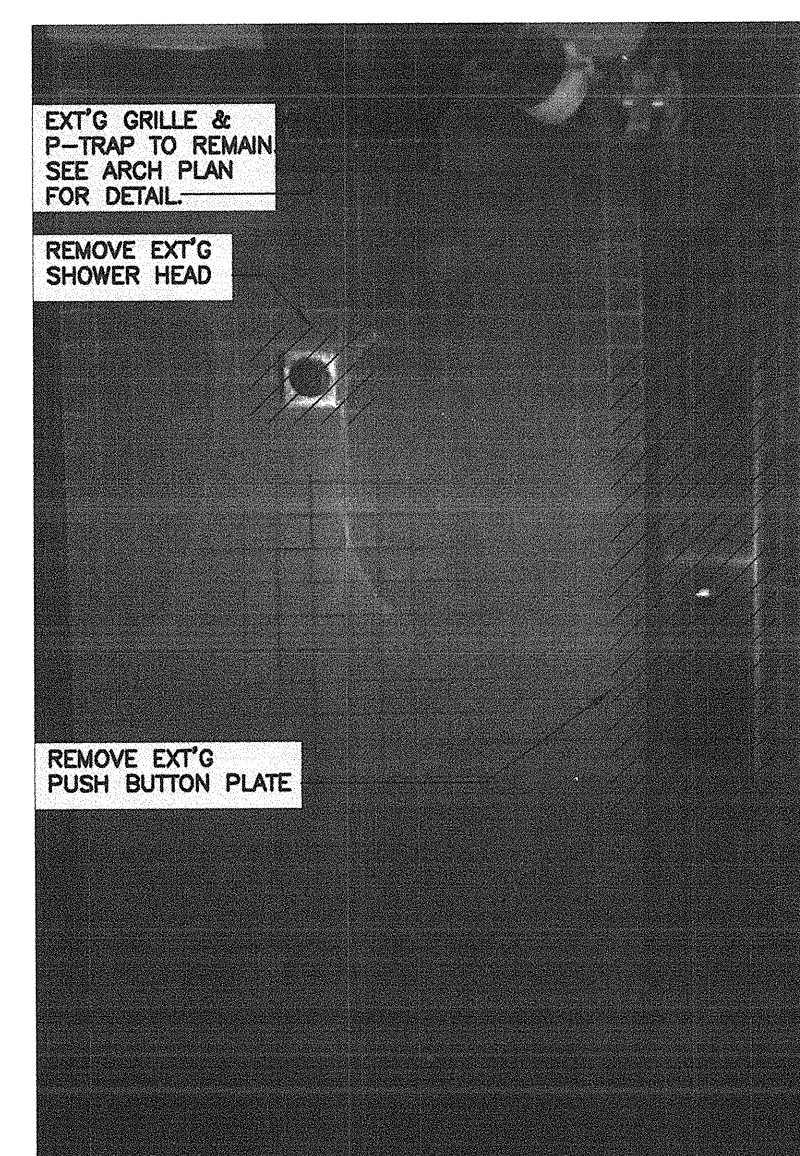
Project No./No. du projet: R.077723.001	Sheet/Feuille: P2-03	Revision no./Loi Révision no.: 1
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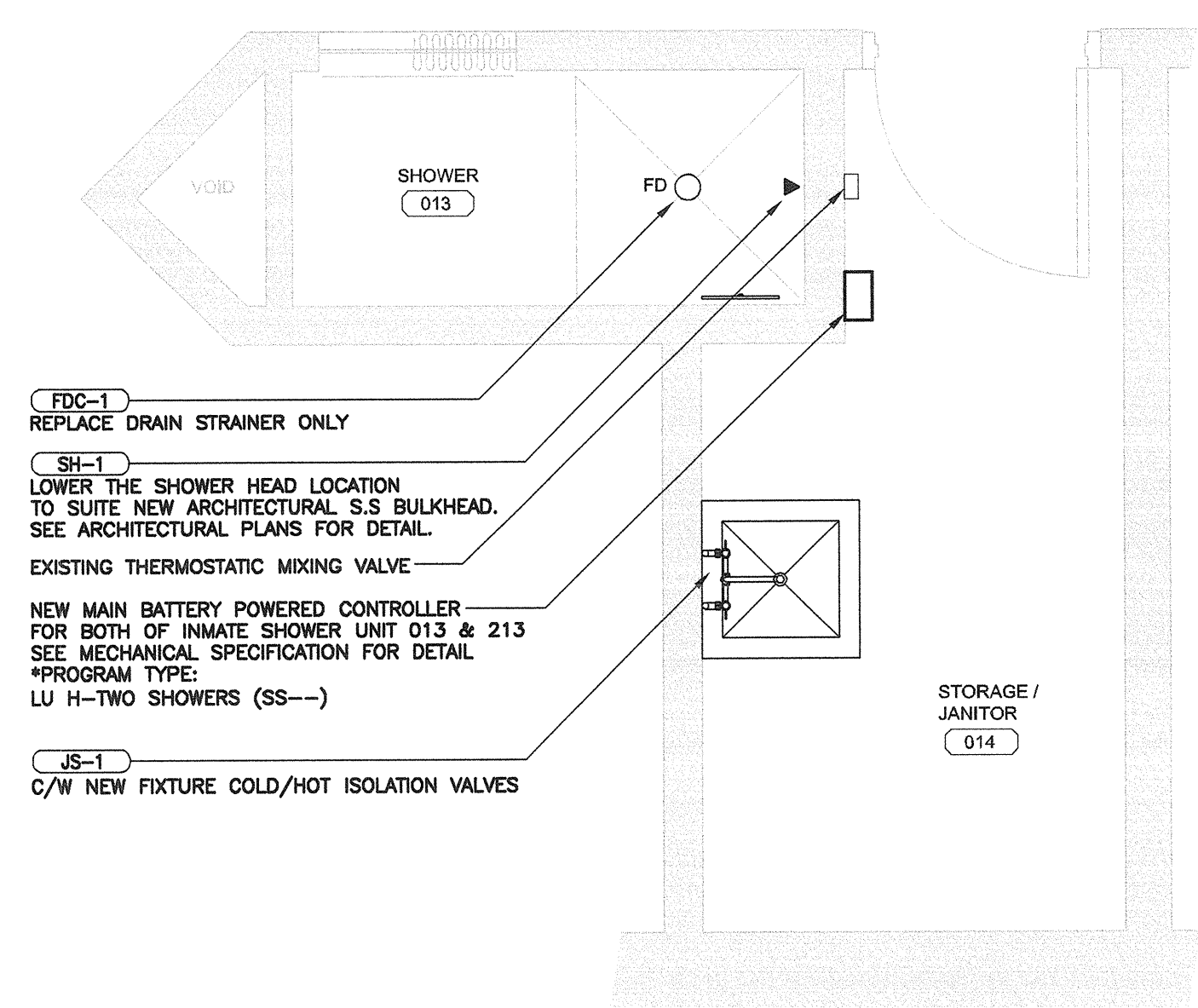
TYP. EXT'G JANITOR SINK (104)  
N.T.S.



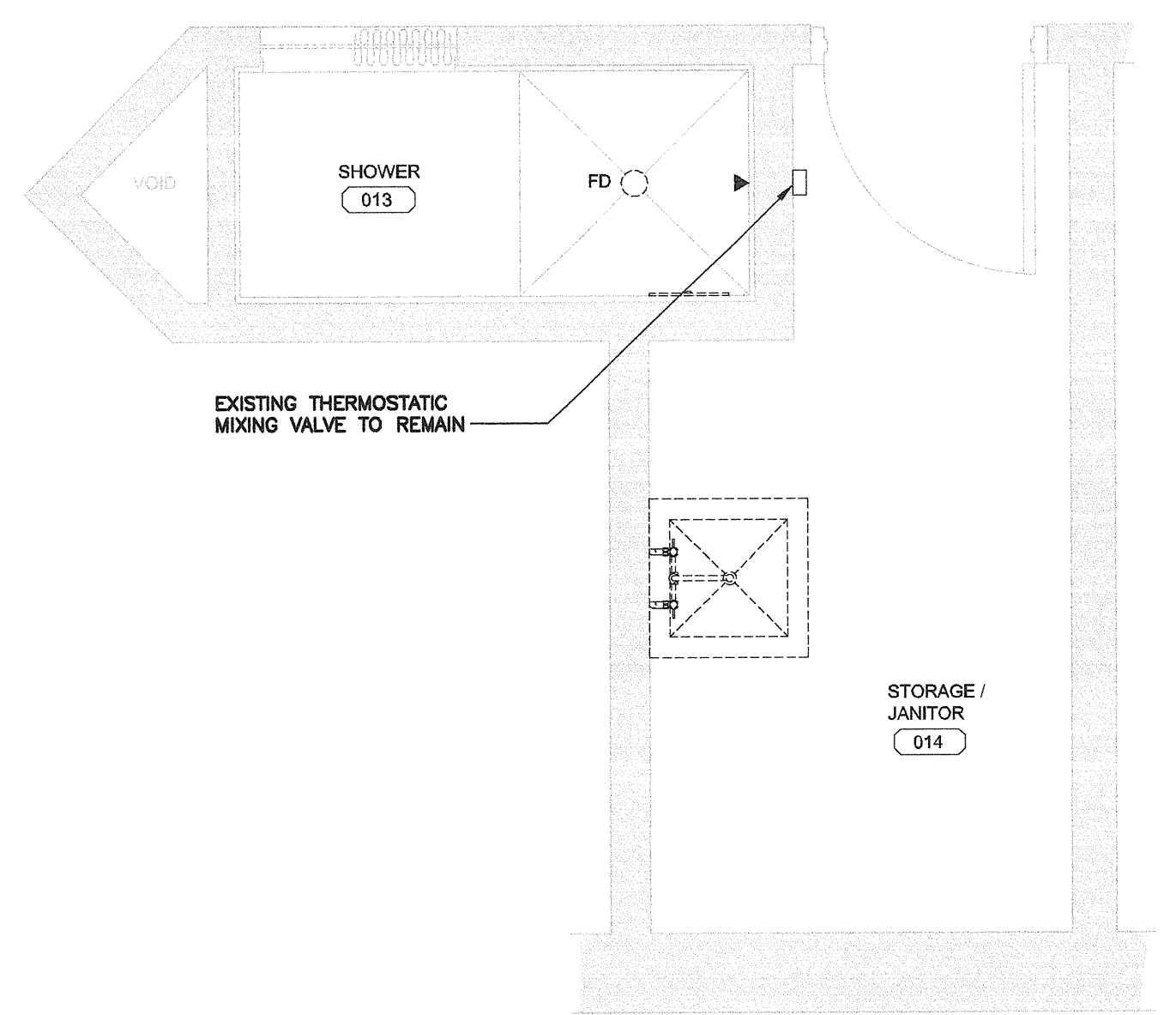
TYP. EXT'G SHOWER EQUIPMENT (104)  
N.T.S.



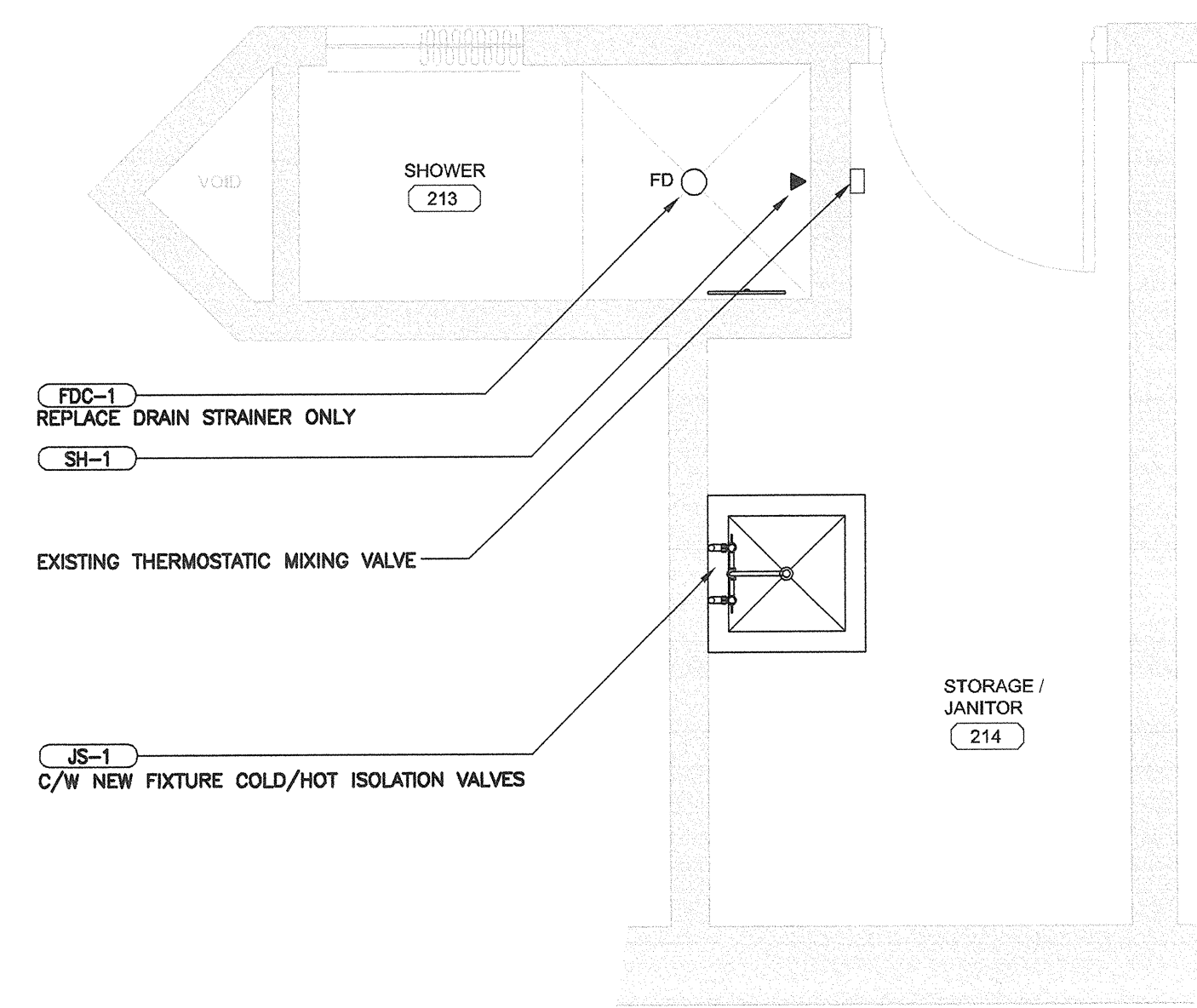
TYP. EXT'G SHOWER (103)  
N.T.S.



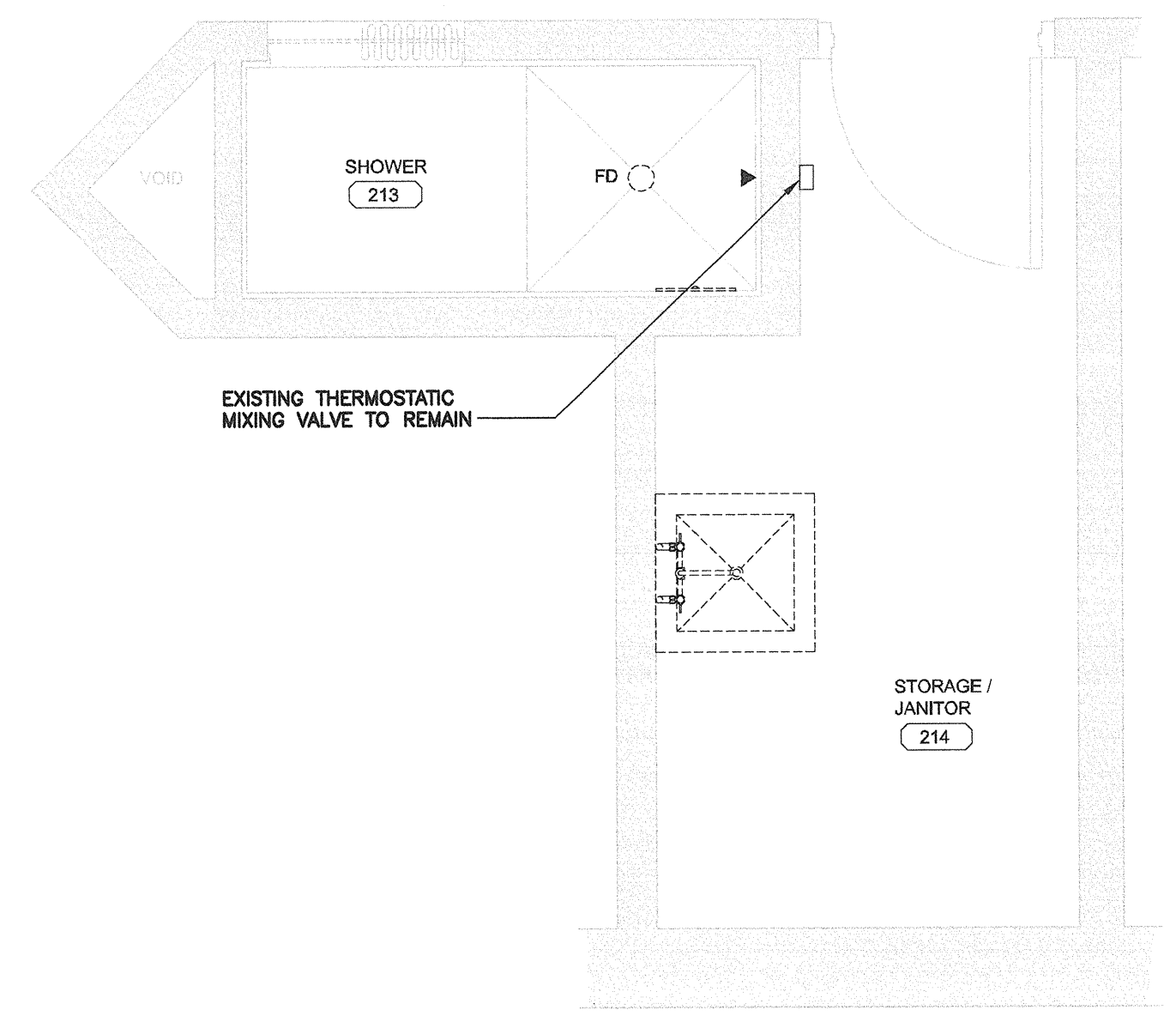
ROOMS 013, 014 FOR UNIT H  
NEW PLUMBING PLAN  
1B P2-03 1:25



ROOMS 013, 014 FOR UNIT H  
DEMOLITION PLUMBING PLAN  
1A P2-03 1:25



ROOMS 213, 214 FOR UNIT H  
NEW PLUMBING PLAN  
2B P2-03 1:25



ROOMS 213, 214 FOR UNIT H  
DEMOLITION PLUMBING PLAN  
2A P2-03 1:25

- GENERAL NOTES: (DEMOLITION)
- REMOVE EXISTING PLUMBING FIXTURES UNLESS NOTED OTHERWISE.
  - CAP-OFF EXISTING WATER PIPE CONNECTIONS FOR RENO.
  - REFER PHOTOS ON THIS DRAWING.
  - REMOVE EXT'G ACCESS PANELS & INSTALL NEW MORTICE CYLINDER LOCK ACCESS PANELS. SEE ARCH PLANS FOR DETAILS. (TYP. FOR ALL)

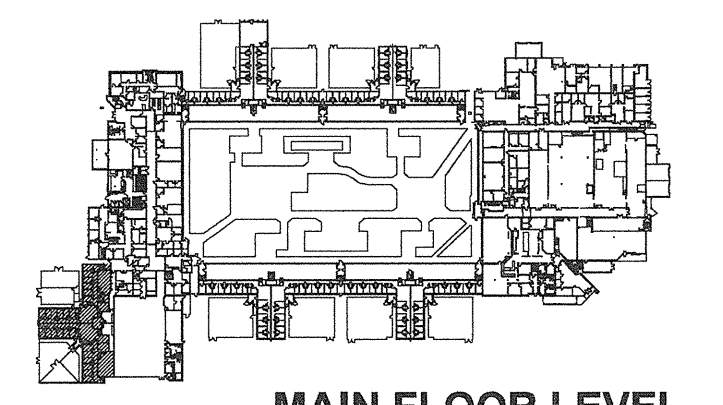
- GENERAL NOTES: (RENOVATION)
- SEE PLUMBING FIXTURE SPECIFICATION FOR DETAIL.
  - CONNECT WITH EXISTING WATER/DRAIN PIPING UNLESS NOTED OTHERWISE.
  - RE-USE EXISTING PLUMBING FIXTURE CARRIERS UNLESS NOTED OTHERWISE.
  - INSTALL NEW THERMOSTATIC MIXING VALVE AT JANITOR SINK, LAVATORY, KITCHEN SINK HOT WATER SUPPLY PIPE UNLESS NOTED OTHERWISE. SEE PLUMBING FIXTURE SPECIFICATION FOR SET TEMPERATURE.
  - INSTALL NEW 2500(2500W/2000G) STAINLESS STEEL LOCKABLE BOXES FOR HOUSING THE BATTERY POWER CONTROLLERS. (TYP. FOR ALL)



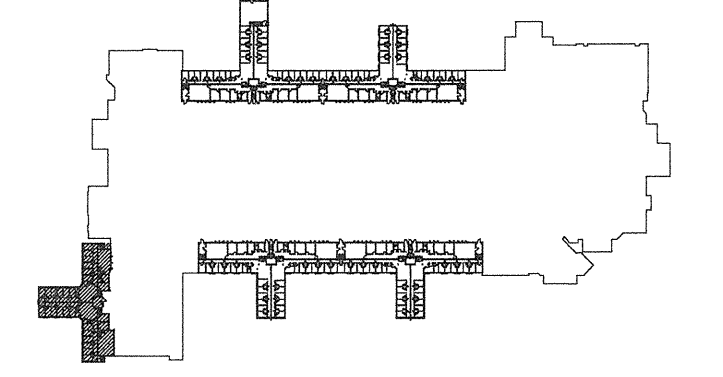
CONSULTANTS:



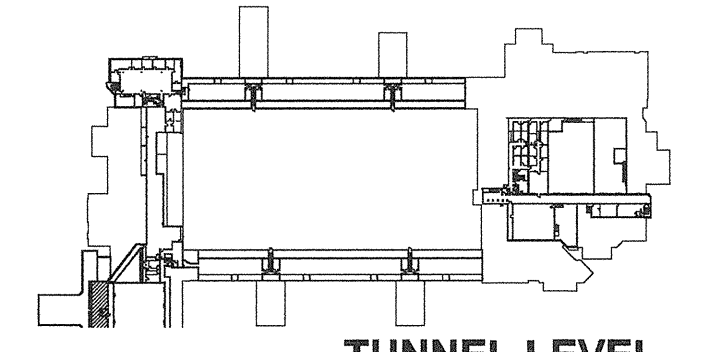
PROJECT #115616385



MAIN FLOOR LEVEL



UPPER LEVEL



TUNNEL LEVEL



1	ISSUED FOR TENDER	2017.08.16
Revision/Revisions	Description/Description	Date/Date

Client/client  
**CORRECTIONAL SERVICE OF CANADA**

Project title/Titre du projet  
**AGASSIZ, BC  
KENT MAXIMUM SECURITY INSTITUTION  
MECHANICAL SYSTEM  
UPGRADE FOR CELL BLOCKS  
A through H and J & K**

Consultant Signature Box Only

Designed by/Concept par  
**SH / HG**

Drawn by/Dessiné par  
**SH**

PWSSC Project Manager/Administrateur de Projets IPSSC  
**MARVIN NG**

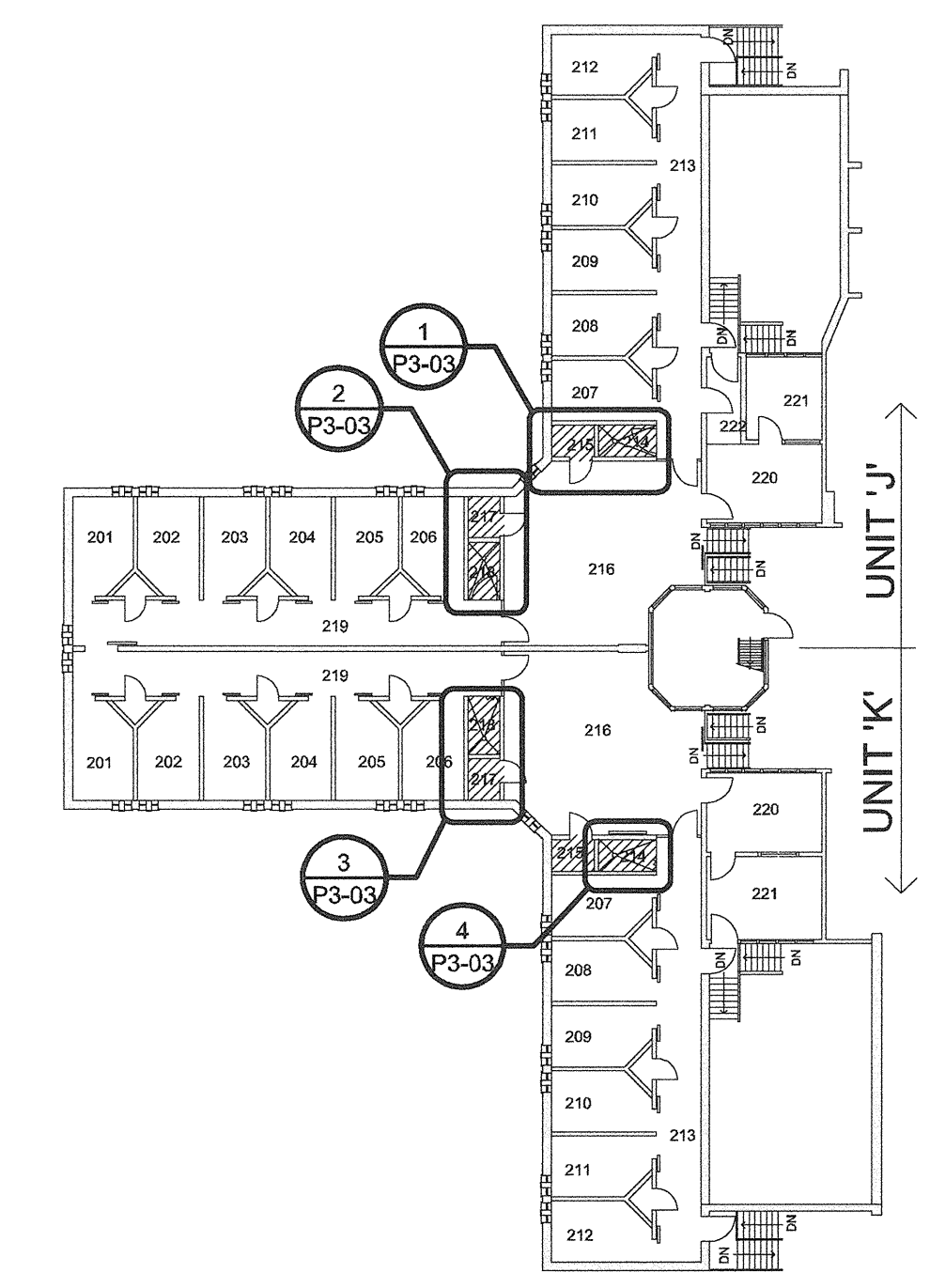
IPSSC Regional Manager, Architectural and Engineering Services  
Gestionnaire régional, Services d'architecture et d'ingénierie, IPSSC

**PREETIPAL PAUL**

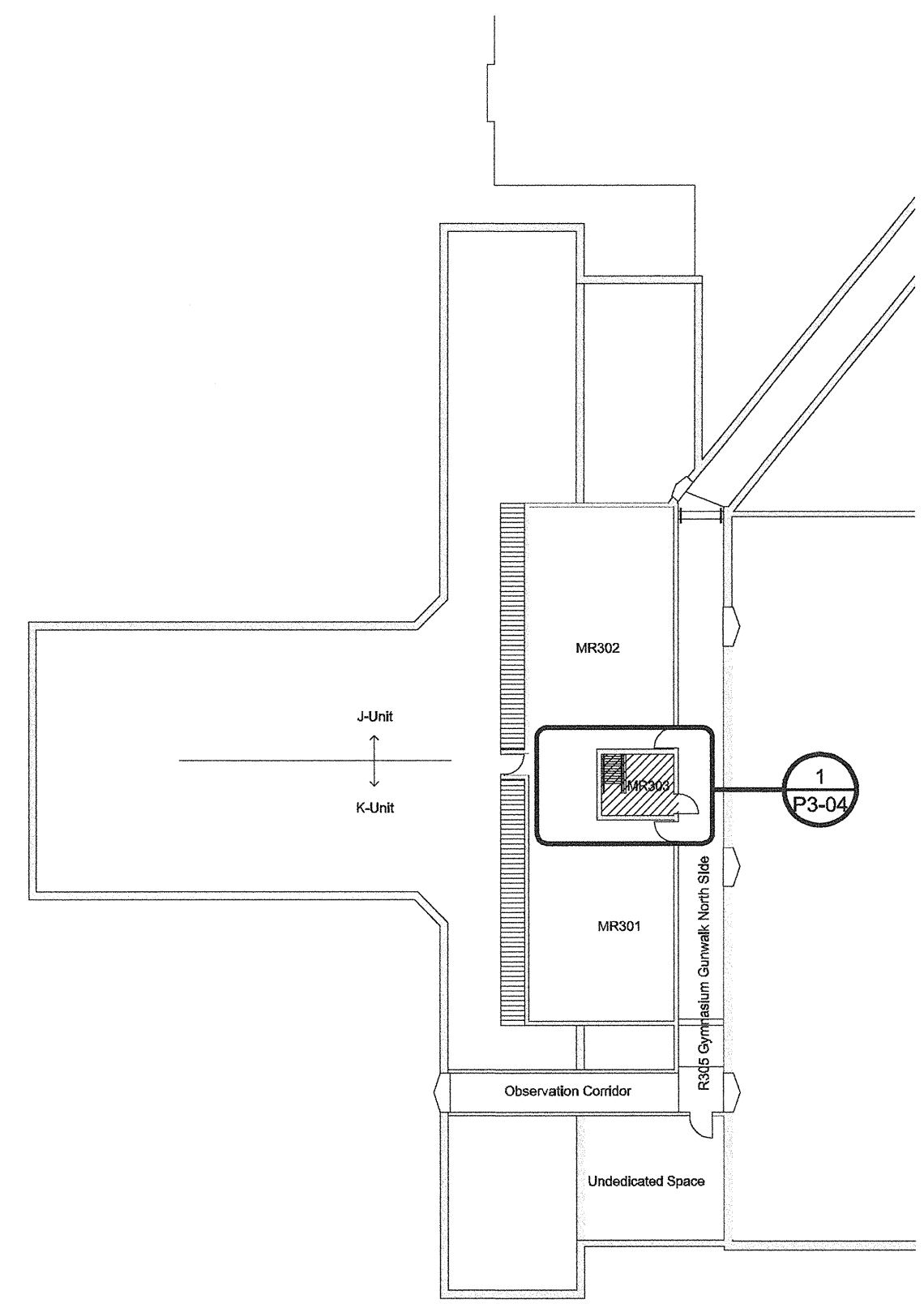
Drawing title/Titre du dessin

**LIVING UNITS J, K  
KEY PLANS**

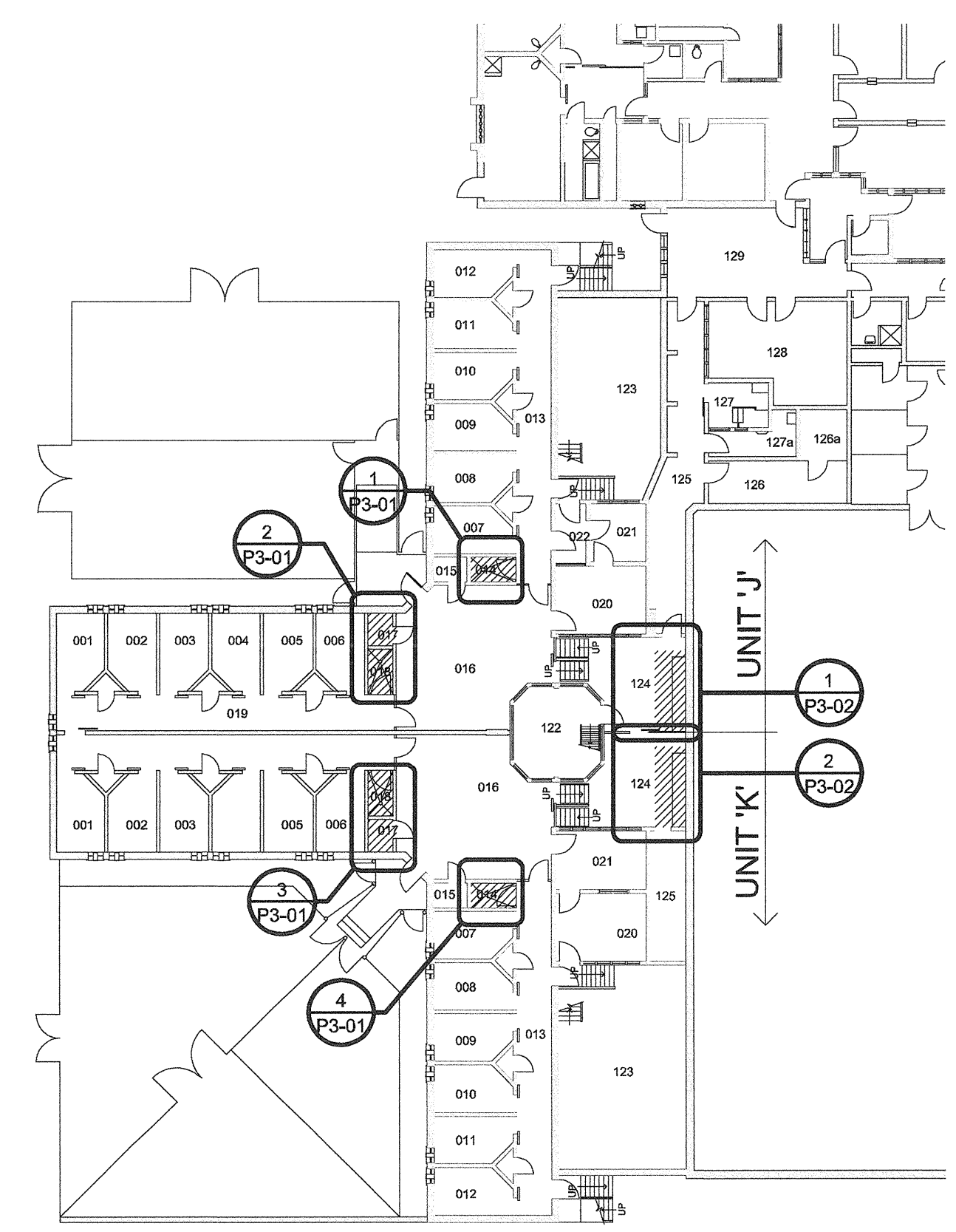
Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
<b>R.077723.001</b>	<b>P3-00</b>	<b>1</b>



**1 PARTIAL UPPER FLOOR PLAN**  
P3-00 1:250



**3 PARTIAL MECHANICAL ROOMS**  
P3-00 1:250



**2 PARTIAL MAIN FLOOR PLAN**  
P3-00 1:250

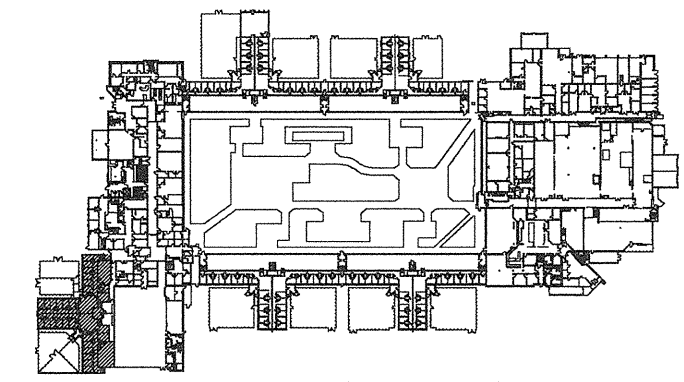




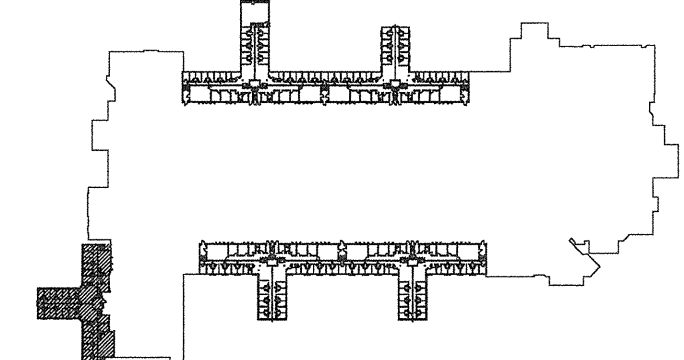
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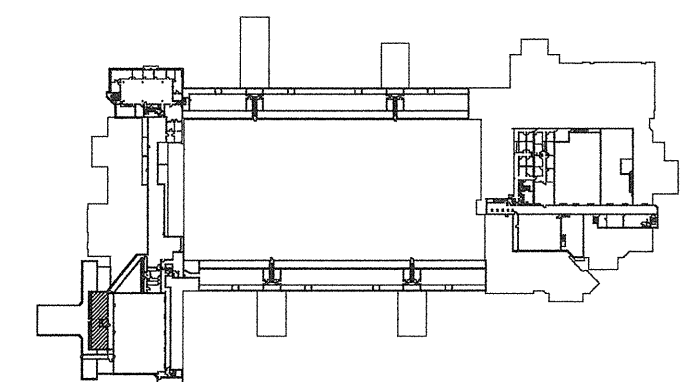
PROJECT #115616385



MAIN FLOOR LEVEL



UPPER LEVEL



TUNNEL LEVEL



1	ISSUED FOR TENDER	2017.08.16
Revision/	Description/Description	Date/Date
Client/client		

CORRECTIONAL SERVICE OF CANADA

AGASSIZ, BC  
KENT MAXIMUM SECURITY INSTITUTION  
MECHANICAL SYSTEM UPGRADE FOR CELL BLOCKS A through H and J & K

Consultant Signature Box Only

Designed by/Concept par

SH/HG

Drawn by/Dessiné par

SH

PWSSC Project Manager/Administrateur de Projets TPSSC

MARVIN NG

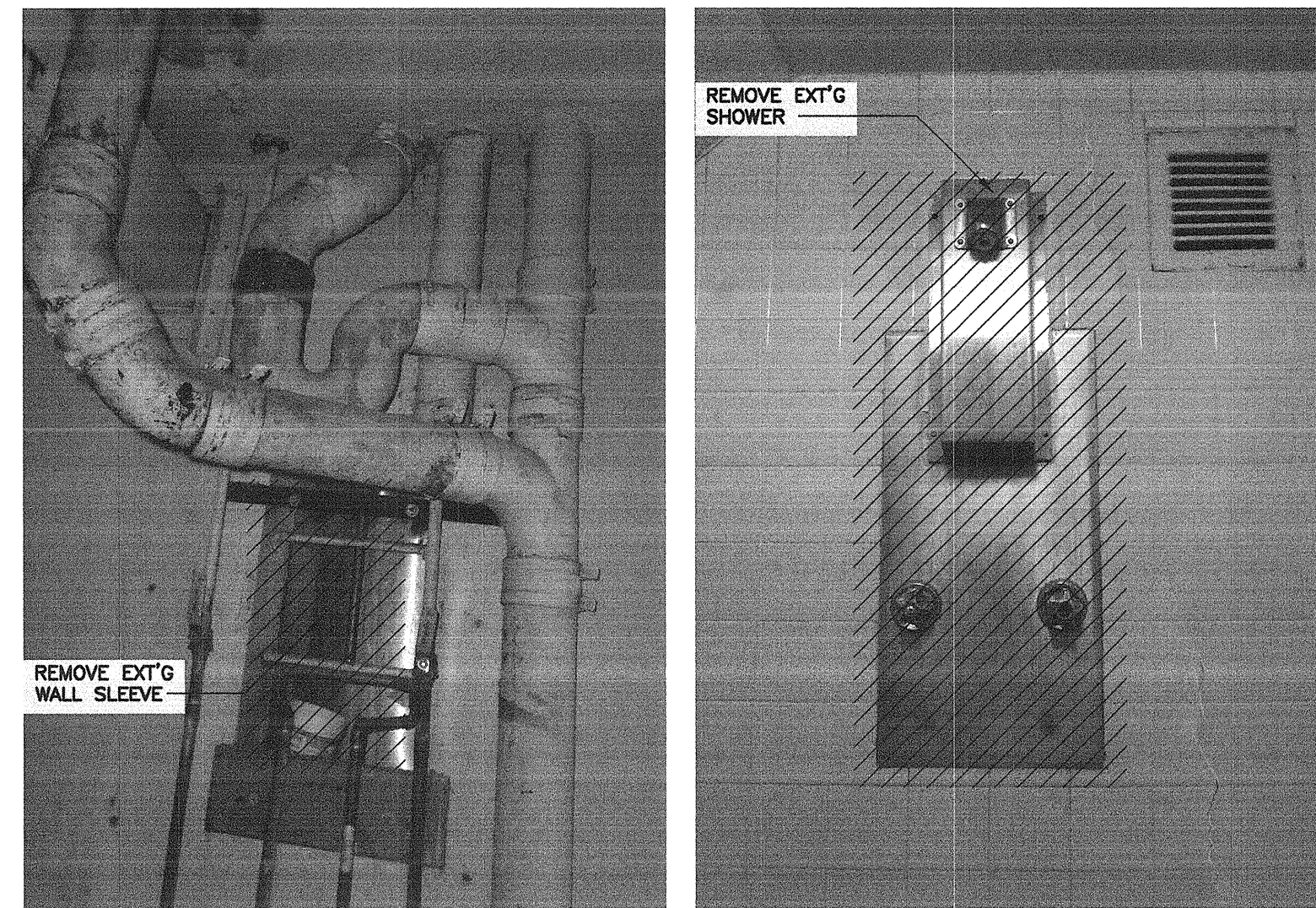
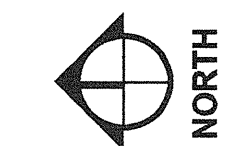
PWSSC Regional Manager, Architectural and Engineering Services / Gestionnaire régional, Services d'architecture et de génie, TPSSC

PREETIPAL PAUL

Drawing title/Titre du dessin

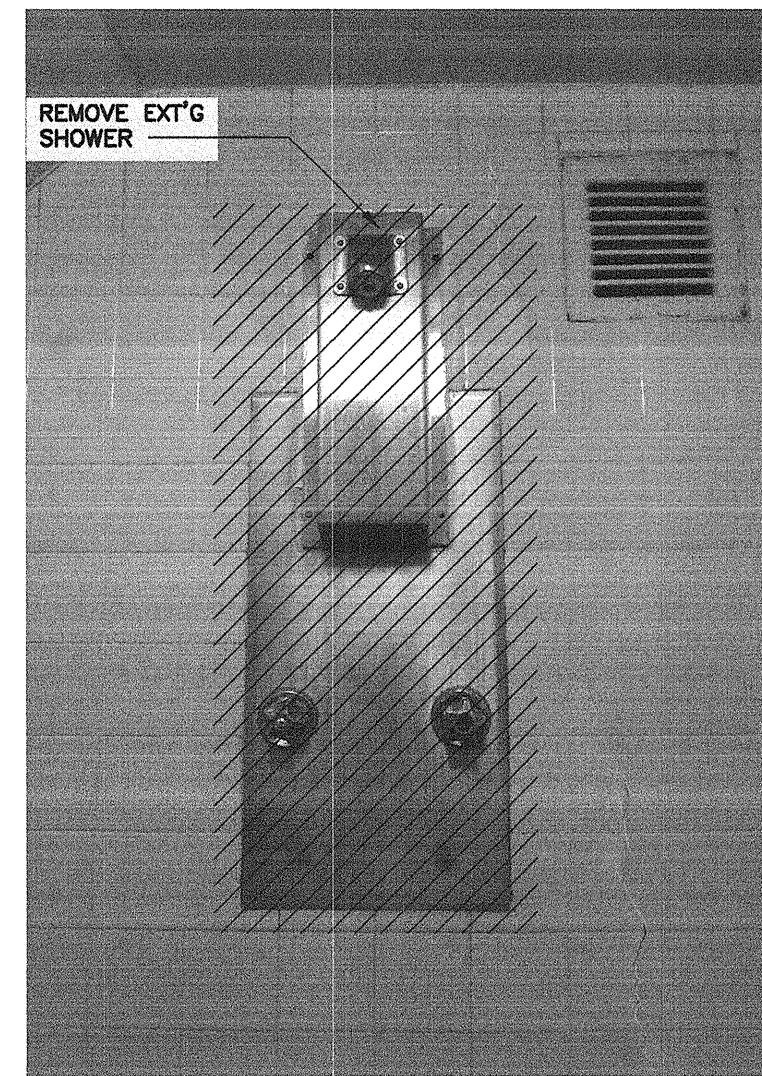
LIVING UNITS J, K  
DEMOLITION & NEW PLUMBING PLANS

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.077723.001	P3-01	1



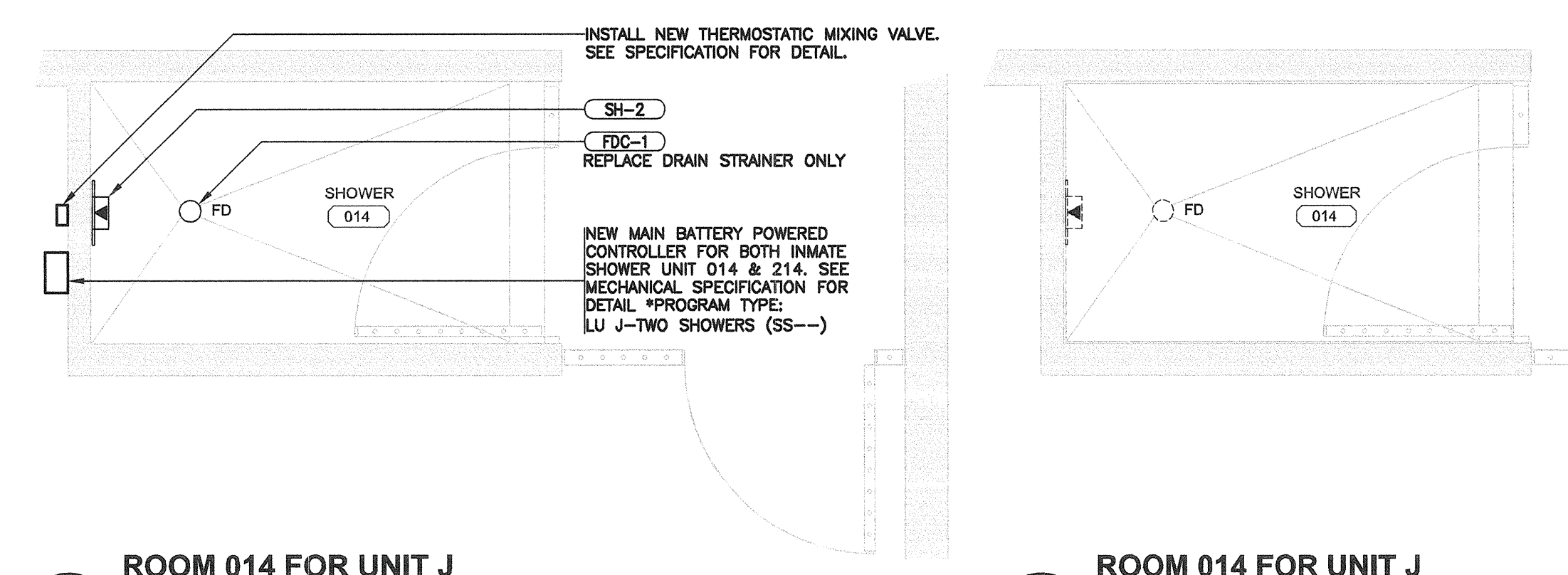
BACK OF EXT'G SHOWER (105)

N.T.S



TYP. EXT'G SHOWER (104)

N.T.S



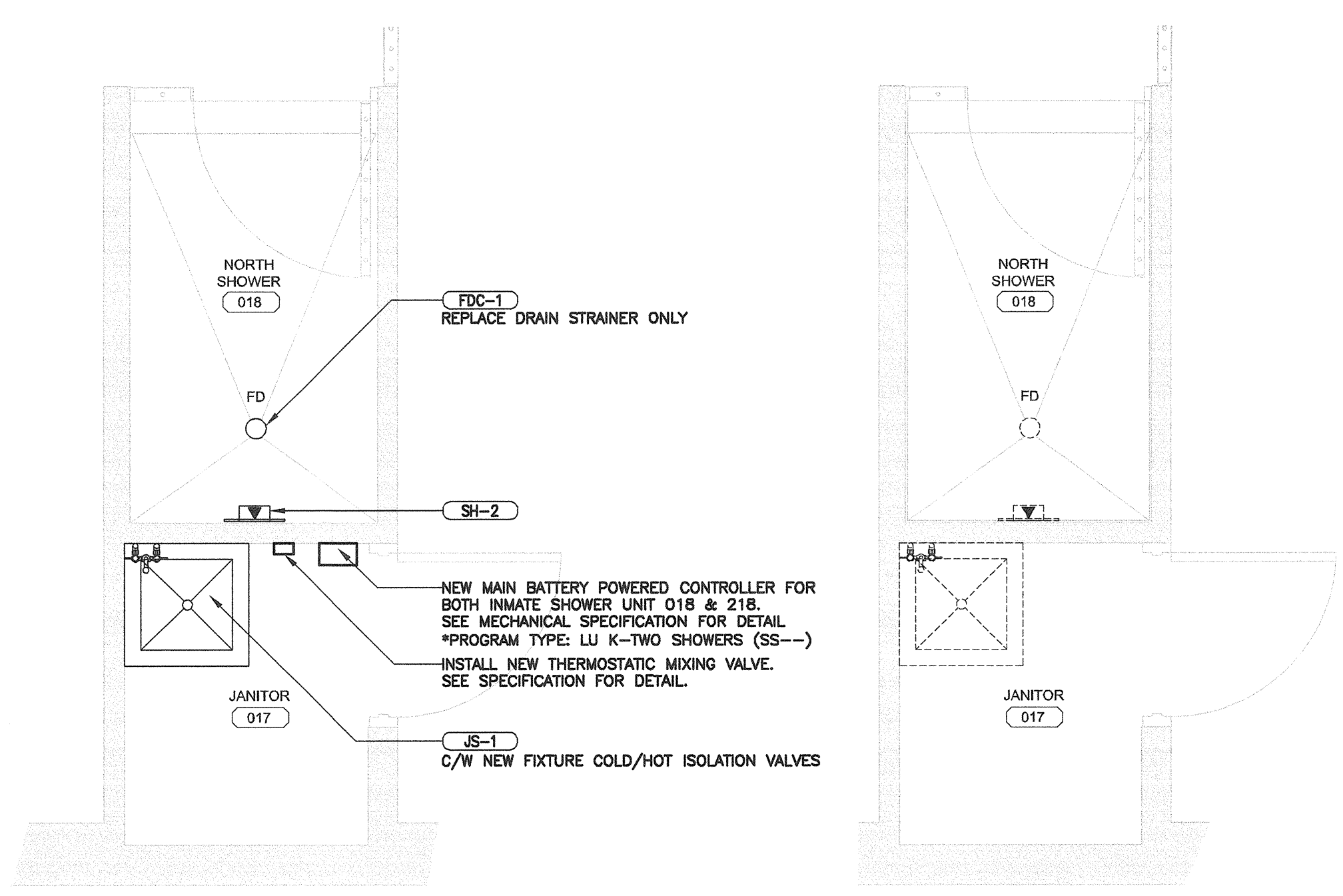
ROOM 014 FOR UNIT J  
NEW PLUMBING PLAN

1B  
P3-01  
1:25

ROOM 014 FOR UNIT J  
DEMOLITION PLUMBING PLAN

1A  
P3-01  
1:25

- GENERAL NOTES: (DEMOLITION)**
- REMOVE EXISTING PLUMBING FIXTURES UNLESS NOTED OTHERWISE.
  - CAP-OFF EXISTING WATER PIPE CONNECTIONS FOR RENO.
  - REFER PHOTOS ON THIS DRAWING.
  - REMOVE EXT'G ACCESS PANELS & INSTALL NEW MORTICE CYLINDER LOCK ACCESS PANELS. SEE ARCH PLANS FOR DETAILS. (TYP. FOR ALL)
- GENERAL NOTES: (RENOVATION)**
- SEE PLUMBING FIXTURE SPECIFICATION FOR DETAIL.
  - CONNECT WITH EXISTING WATER/DRAIN PIPING UNLESS NOTED OTHERWISE.
  - RE-USE EXISTING PLUMBING FIXTURE CABINETS UNLESS NOTED OTHERWISE.
  - INSTALL NEW THERMOSTATIC MIXING VALVE AT JANITOR SINK, LAVATORY, KITCHEN SINK HOT WATER SUPPLY PIPE UNLESS NOTED OTHERWISE. SEE PLUMBING FIXTURE SPECIFICATION FOR SET TEMPERATURE.
  - INSTALL NEW 250(x)250(x)200(G) STAINLESS STEEL LOCKABLE BOXES FOR HOUSING THE BATTERY POWER CONTROLLERS. (TYP. FOR ALL)

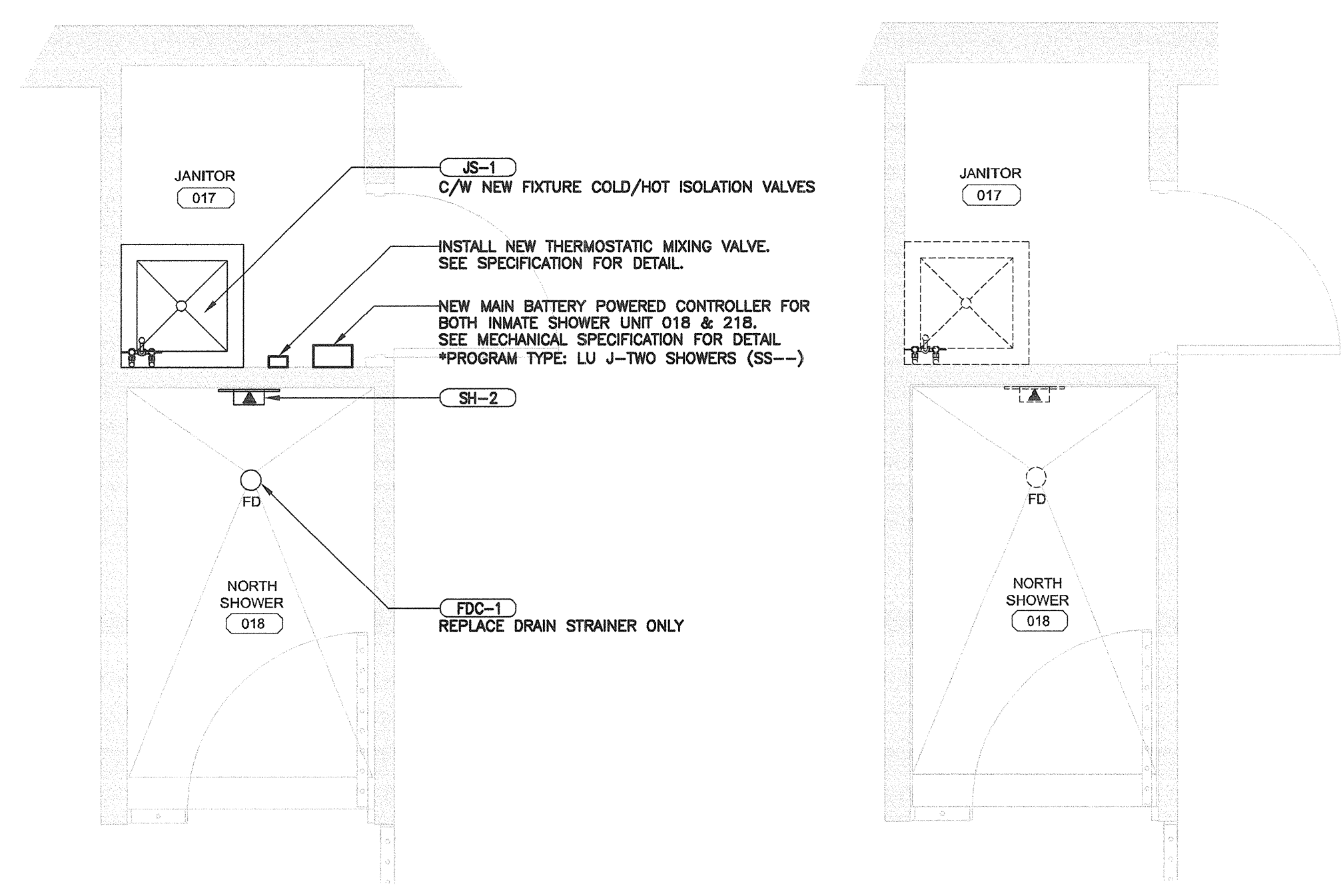


ROOMS 017, 018 FOR UNIT K  
NEW PLUMBING PLAN

3B  
P3-01  
1:25

ROOMS 017, 018 FOR UNIT K  
DEMOLITION PLUMBING PLAN

3A  
P3-01  
1:25

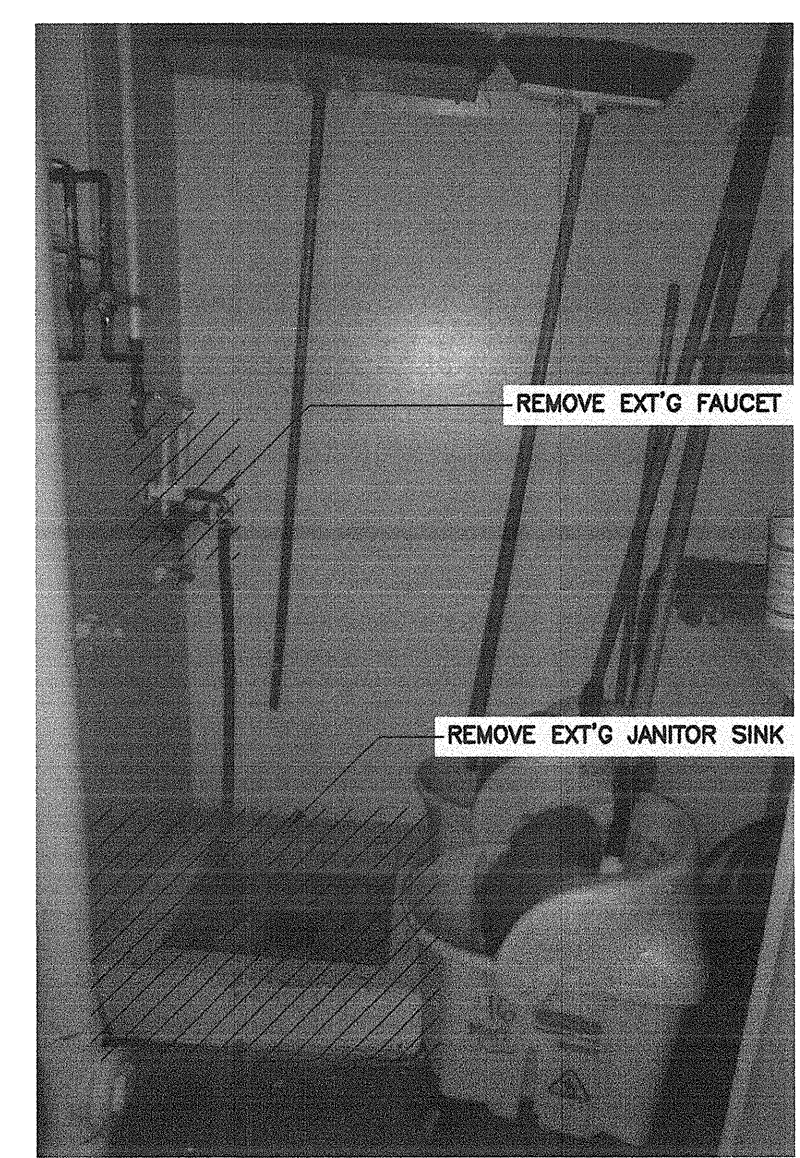


ROOMS 017, 018 FOR UNIT J  
NEW PLUMBING PLAN

2B  
P3-01  
1:25

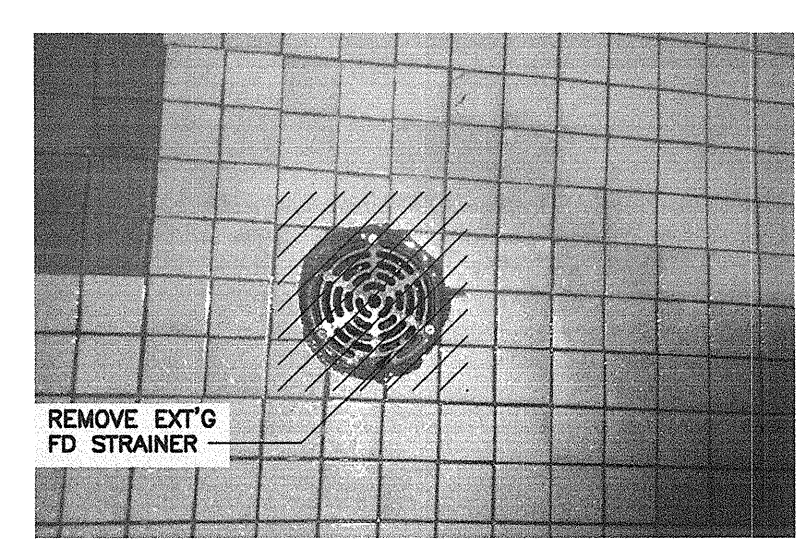
ROOMS 017, 018 FOR UNIT J  
DEMOLITION PLUMBING PLAN

2A  
P3-01  
1:25



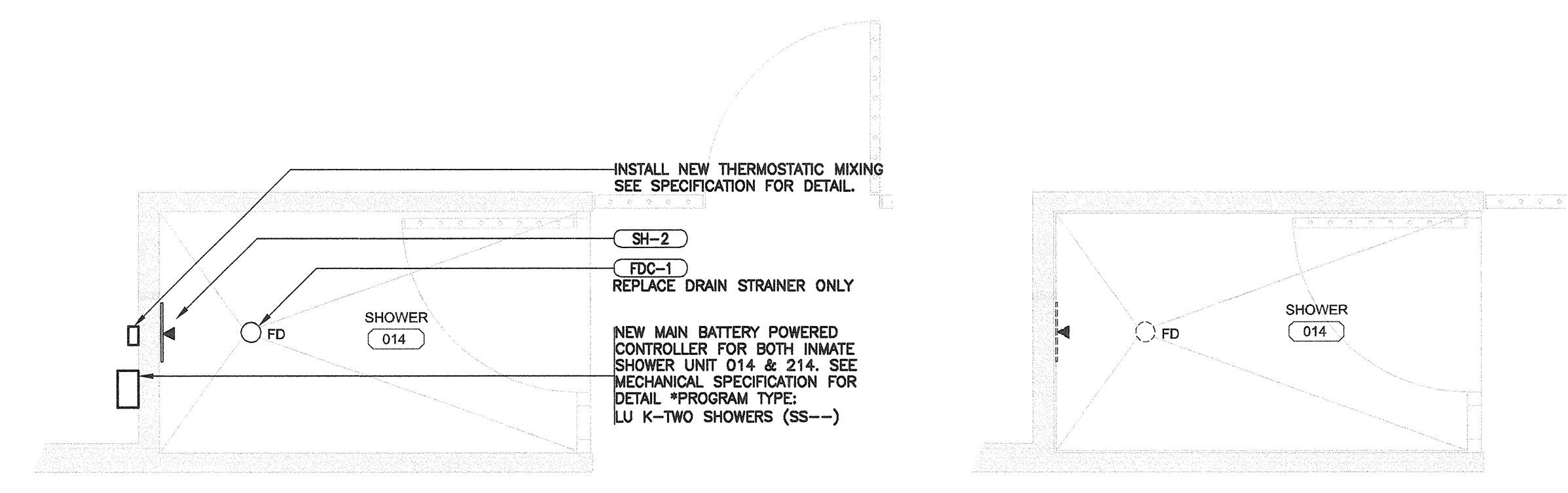
EXT'G JANITOR SINK (107)

N.T.S



TYP. FLOOR DRAIN STRAINER (108)

N.T.S



ROOM 014 FOR UNIT K  
NEW PLUMBING PLAN

4B  
P3-01  
1:25

ROOM 014 FOR UNIT K  
DEMOLITION PLUMBING PLAN

4A  
P3-01  
1:25

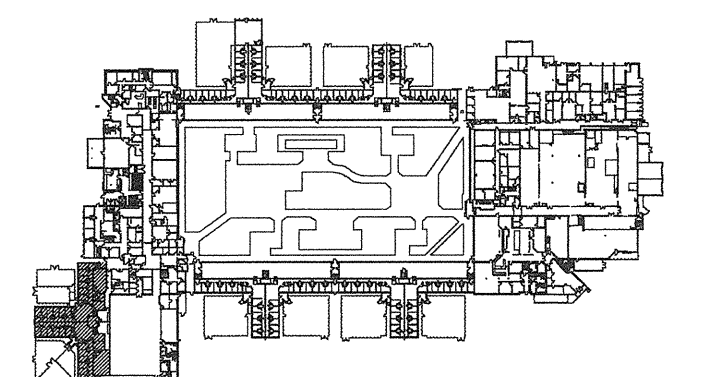




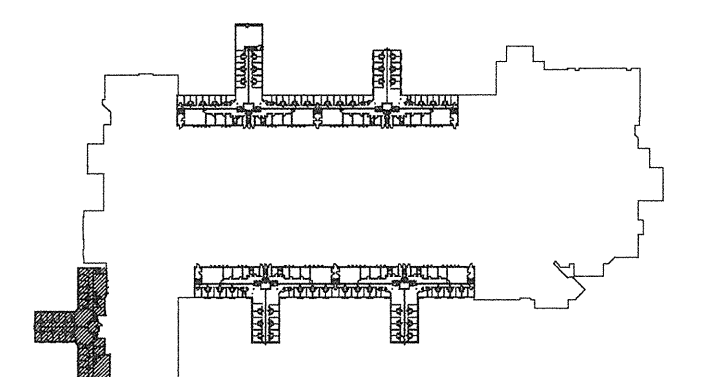
CONSULTANTS:



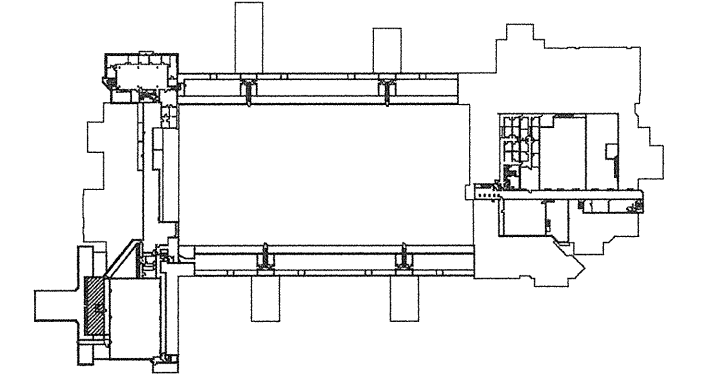
PROJECT #115616385



MAIN FLOOR LEVEL



UPPER LEVEL



TUNNEL LEVEL

AUG 16 2017



1	ISSUED FOR TENDER	2017.08.16
Revision/	Description/Description	Date/Date

Client/client  
**CORRECTIONAL SERVICE OF CANADA**

Project title/Titre du projet  
**AGASSIZ, BC  
KENT MAXIMUM SECURITY  
INSTITUTION  
MECHANICAL SYSTEM  
UPGRADE FOR CELL BLOCKS  
A through H and J & K**

Consultant Signature Box Only

Designed by/Concept par  
**SH / HG**

Drawn by/Dessiné par  
**SH**

PWSSC Project Manager/Administrateur de Projets TPSGC  
**MARVIN NG**

PWSSC Regional Manager, Architectural and Engineering Services /  
Gestionnaire régional, Services d'architecture et de génie, TPSGC  
**PREETIPAL PAUL**

Drawing title/Titre du dessin

**LIVING UNITS J, K  
DEMOLITION & NEW  
PLUMBING PLANS**

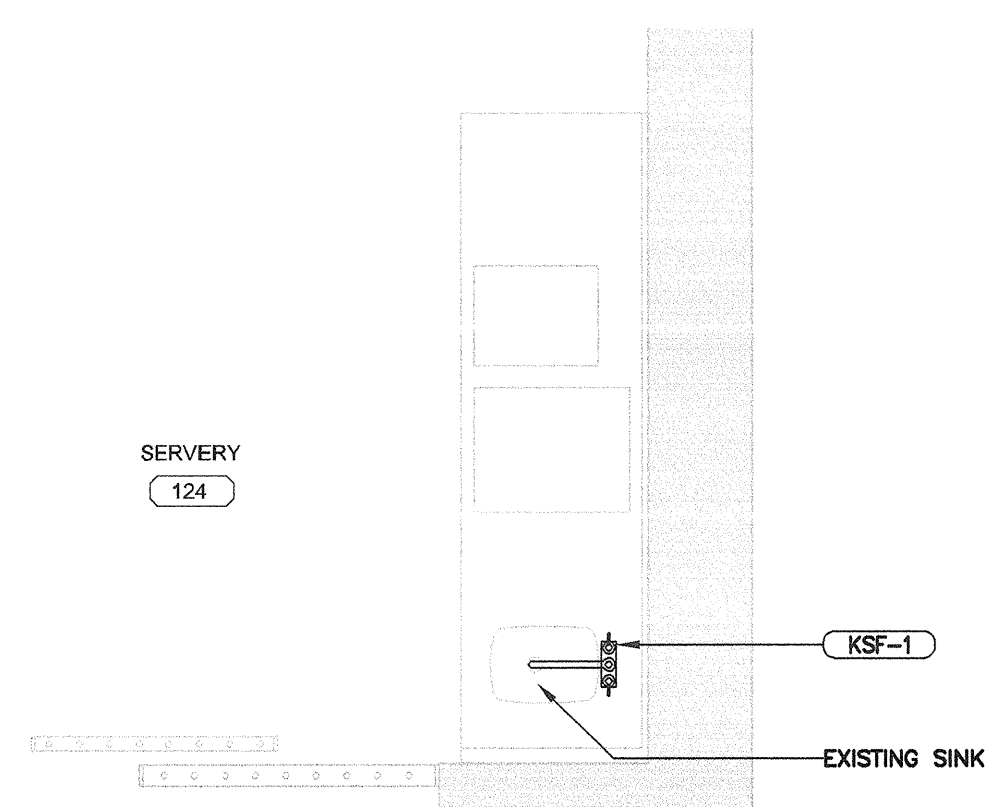
Project No./No. du projet	Sheet/Feuille	Revision no./ La Revision no.
<b>R.077723.001</b>	<b>P3-02</b>	<b>1</b>



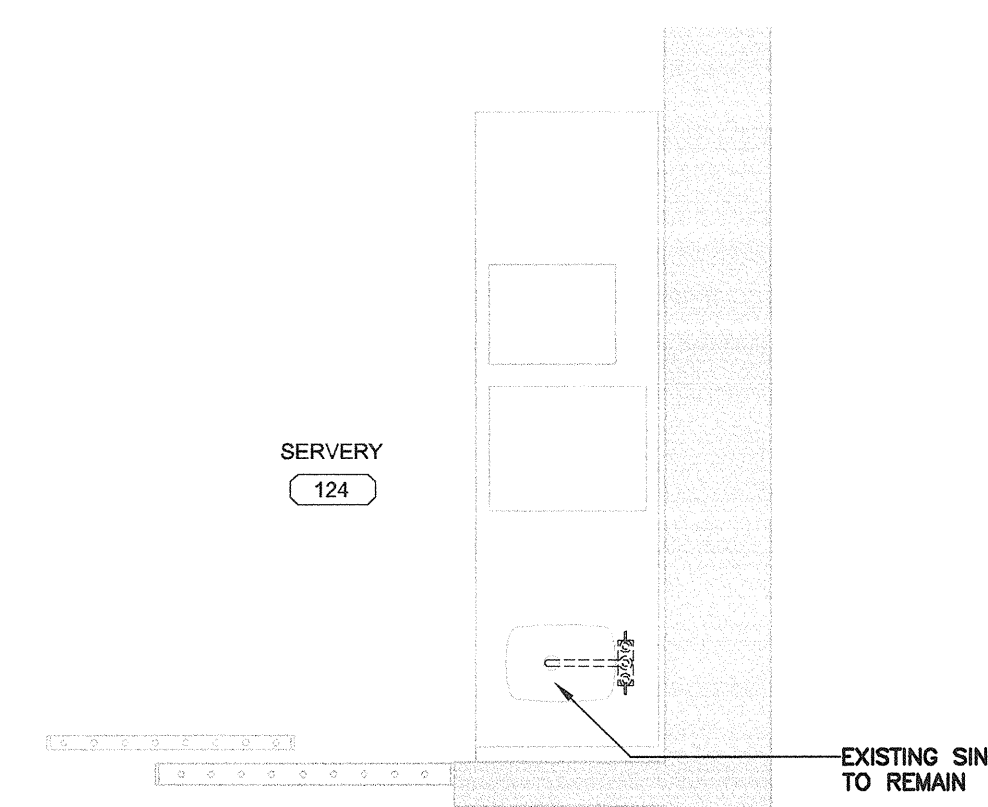
TYP. EXT'G SINK FAUCET (124)  
N.T.S

- GENERAL NOTES: (DEMOLITION)**
1. REMOVE EXISTING PLUMBING FIXTURES UNLESS NOTED OTHERWISE.
  2. CAP-OFF EXISTING WATER PIPE CONNECTIONS FOR RENO.
  3. REFER PHOTOS ON THIS DRAWING.
  4. REMOVE EXT'G ACCESS PANELS & INSTALL NEW MORTISE CYLINDER LOCK ACCESS PANELS. SEE ARCH PLANS FOR DETAILS. (TYP. FOR ALL)

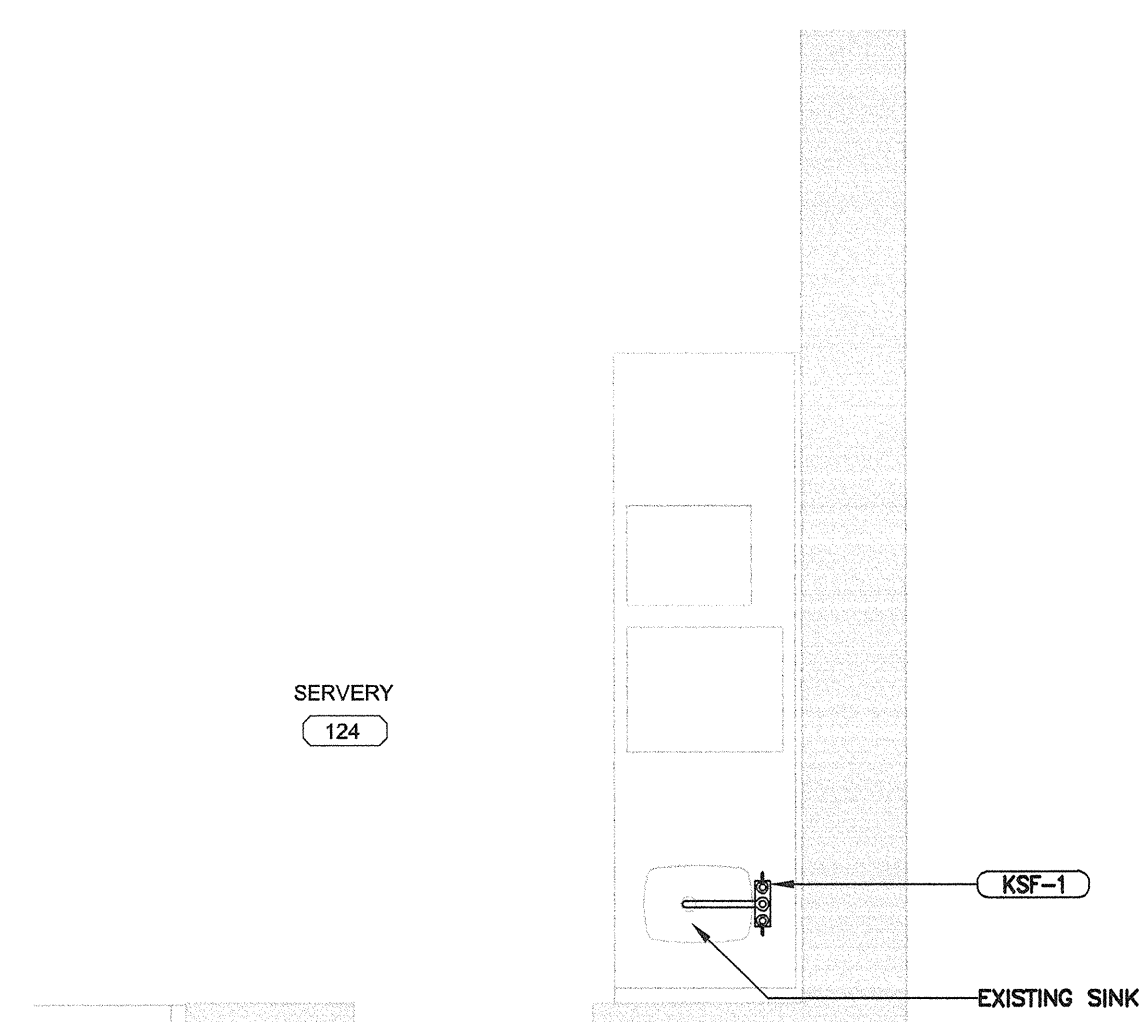
- GENERAL NOTES: (RENOVATION)**
1. SEE PLUMBING FIXTURE SPECIFICATION FOR DETAIL.
  2. CONNECT WITH EXISTING WATER/DRAIN PIPING UNLESS NOTED OTHERWISE.
  3. RE-USE EXISTING PLUMBING FIXTURE CARRIERS UNLESS NOTED OTHERWISE.
  4. INSTALL NEW THERMOSTATIC MIXING VALVE AT JANITOR SINK, LAVATORY, KITCHEN SINK HOT WATER SUPPLY PIPE UNLESS NOTED OTHERWISE. SEE PLUMBING FIXTURE SPECIFICATION FOR SET TEMPERATURE.
  5. INSTALL NEW 250(x)250(x)200(d) STAINLESS STEEL LOCKABLE BOXES FOR HOUSING THE BATTERY POWER CONTROLLERS. (TYP. FOR ALL)



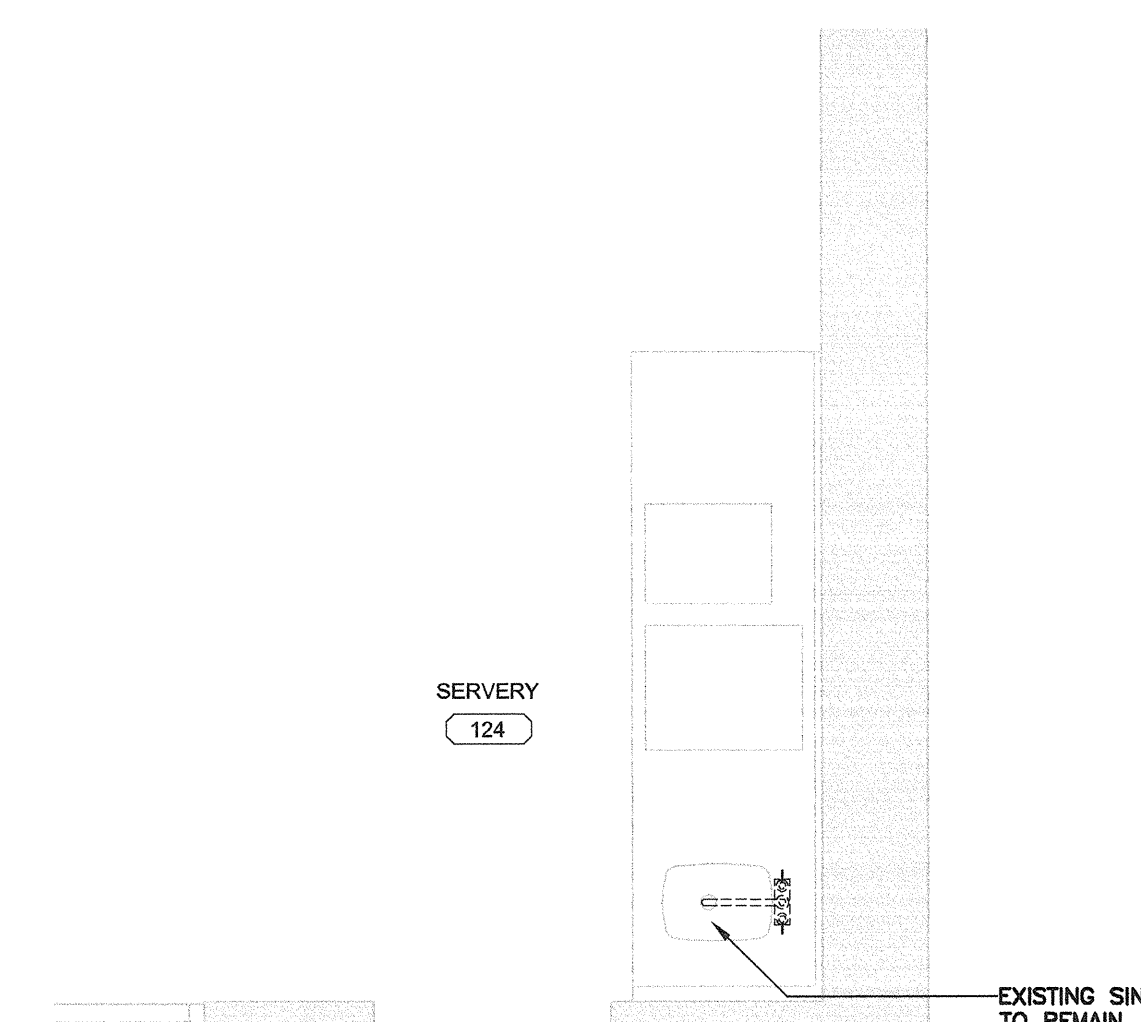
**ROOM 124 FOR UNIT J  
NEW PLUMBING PLAN**  
1B  
P3-02 1:25



**ROOM 124 FOR UNIT J  
DEMOLITION PLUMBING PLAN**  
1A  
P3-02 1:25



**ROOM 124 FOR UNIT K  
NEW PLUMBING PLAN**  
2B  
P3-02 1:25



**ROOM 124 FOR UNIT K  
DEMOLITION PLUMBING PLAN**  
2A  
P3-02 1:25

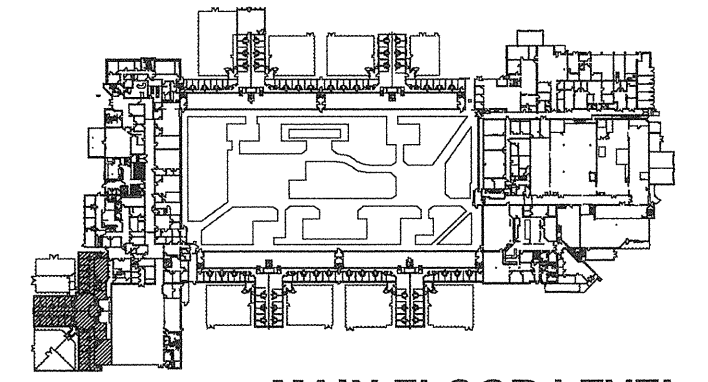




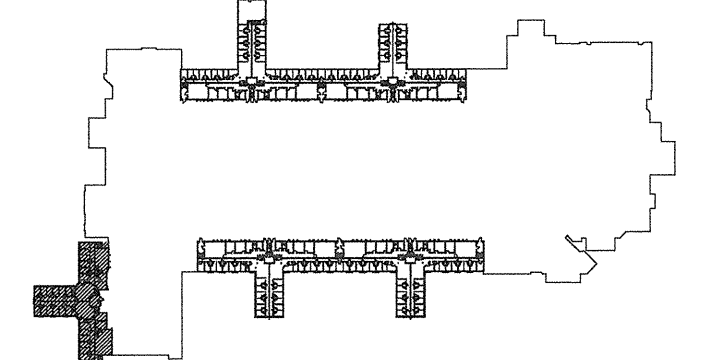
CONSULTANTS:



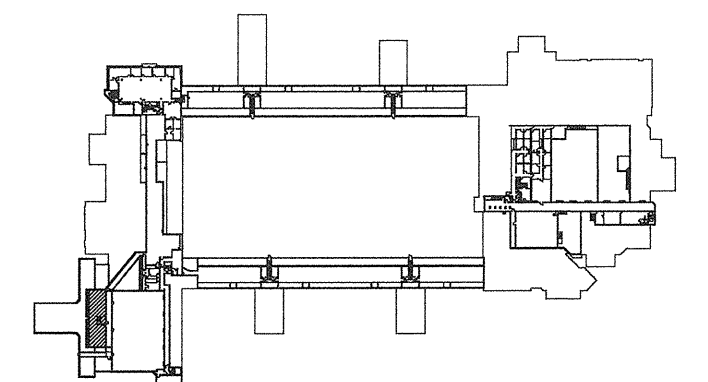
PROJECT #115616385



MAIN FLOOR LEVEL



UPPER LEVEL



TUNNEL LEVEL



1	ISSUED FOR TENDER	2017.05.16
Revision/Revisory	Description/Description	Date/Date

Client/client

CORRECTIONAL SERVICE OF CANADA

Project title/Titre du projet  
**AGASSIZ, BC  
 KENT MAXIMUM SECURITY  
 INSTITUTION**  
**MECHANICAL SYSTEM  
 UPGRADE FOR CELL BLOCKS  
 A through H and J & K**

Consultant Signature Box Only

Designed by/Concept par  
**SH/HG**

Drawn by/Dessiné par  
**SH**

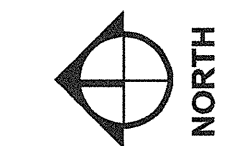
PWSSC Project Manager/Administrateur de Projets TPSGC  
**MARVIN NG**

PWSSC Regional Manager, Architectural and Engineering Services/  
 Gestionnaire régional, Services d'architecture et de génie, TPSGC  
**PREETIPAL PAUL**

Drawing title/Titre du dessin

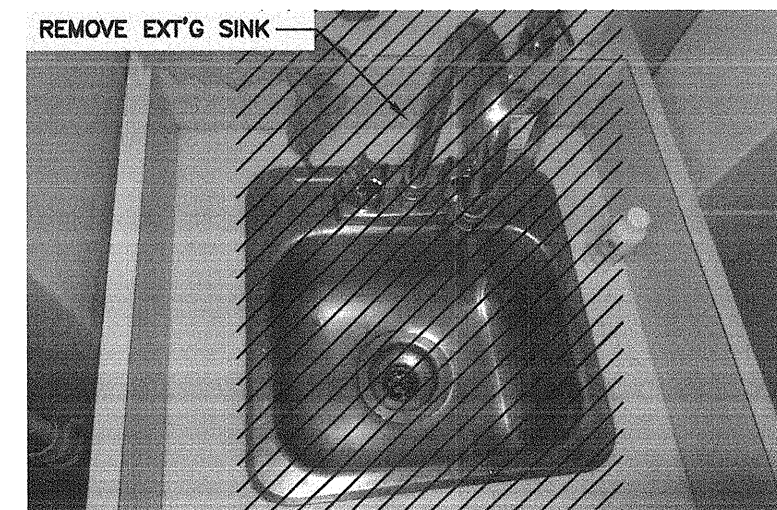
**LIVING UNITS J, K  
 DEMOLITION & NEW  
 PLUMBING PLANS**

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
<b>R.077723.001</b>	<b>P3-03</b>	<b>1</b>



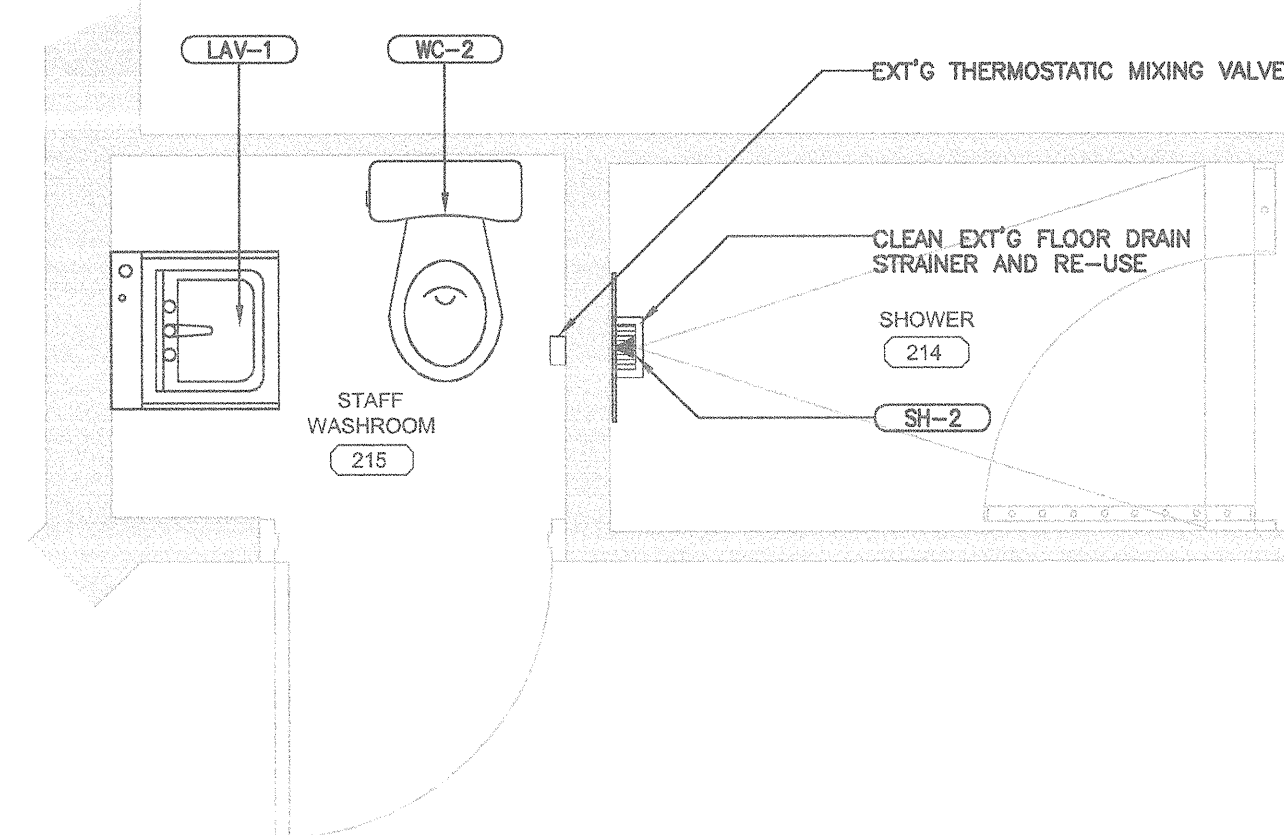
TYP. EXT'G SHOWER FD (214)

N.T.S.



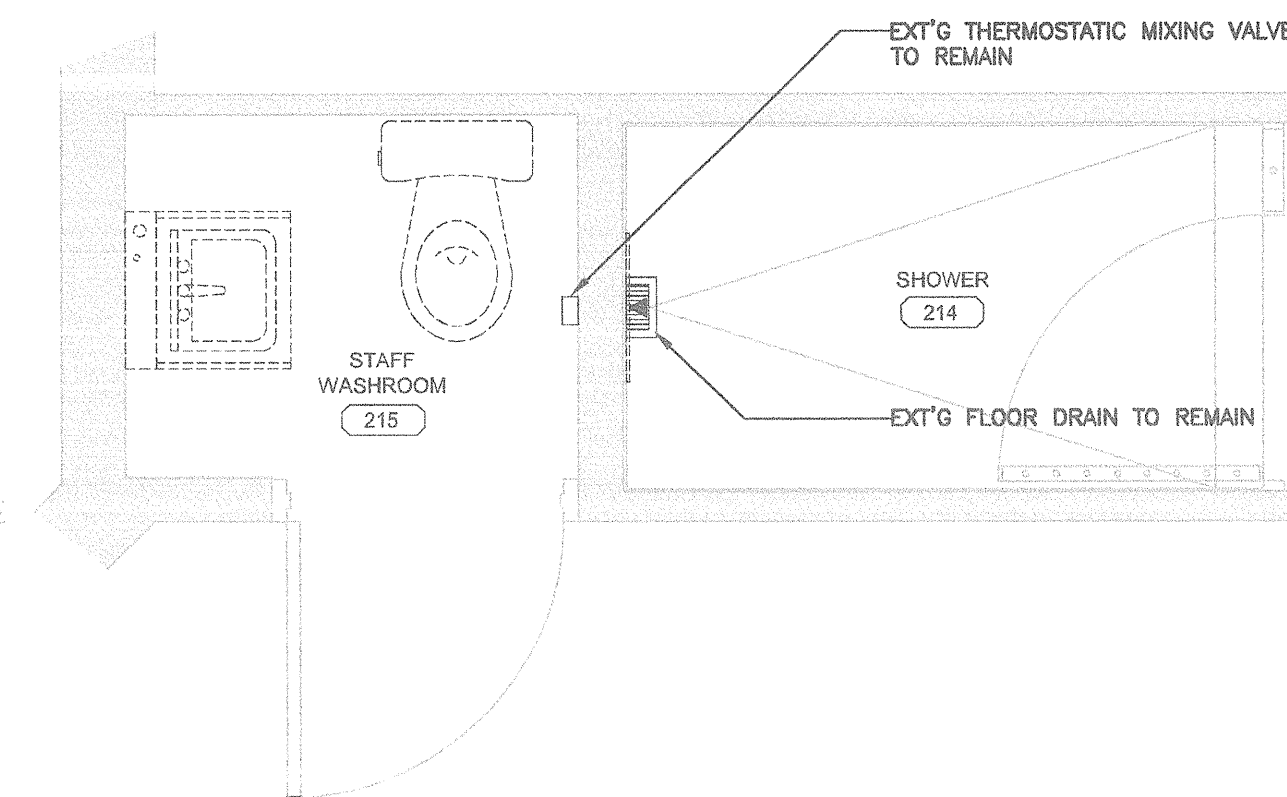
EXT'G SINK (215)

N.T.S.



ROOMS 214, 215 FOR UNIT J  
 NEW PLUMBING PLAN

1B  
 P3-03 1:25

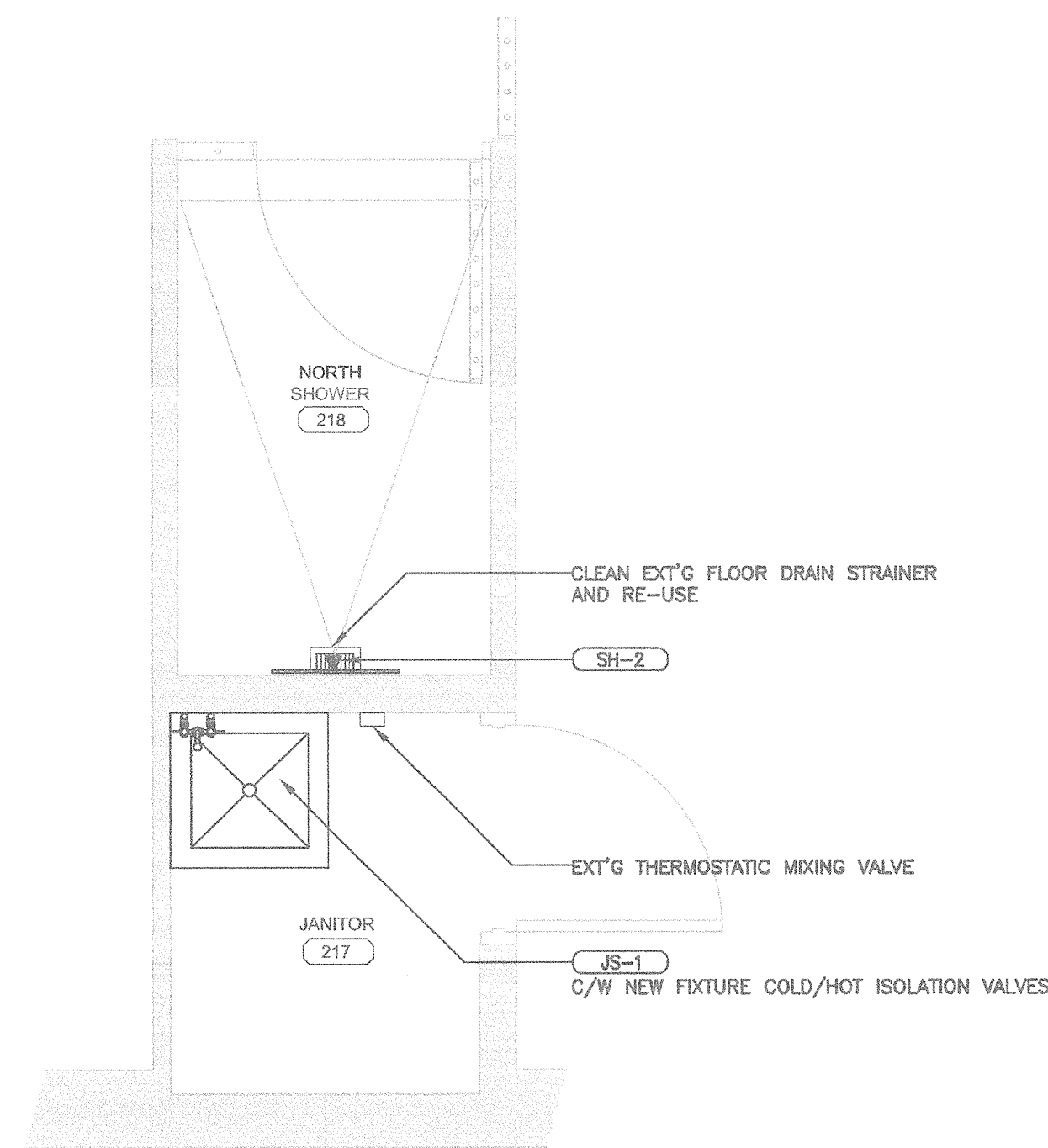


ROOMS 214, 215 FOR UNIT J  
 DEMOLITION PLUMBING PLAN

1A  
 P3-03 1:25

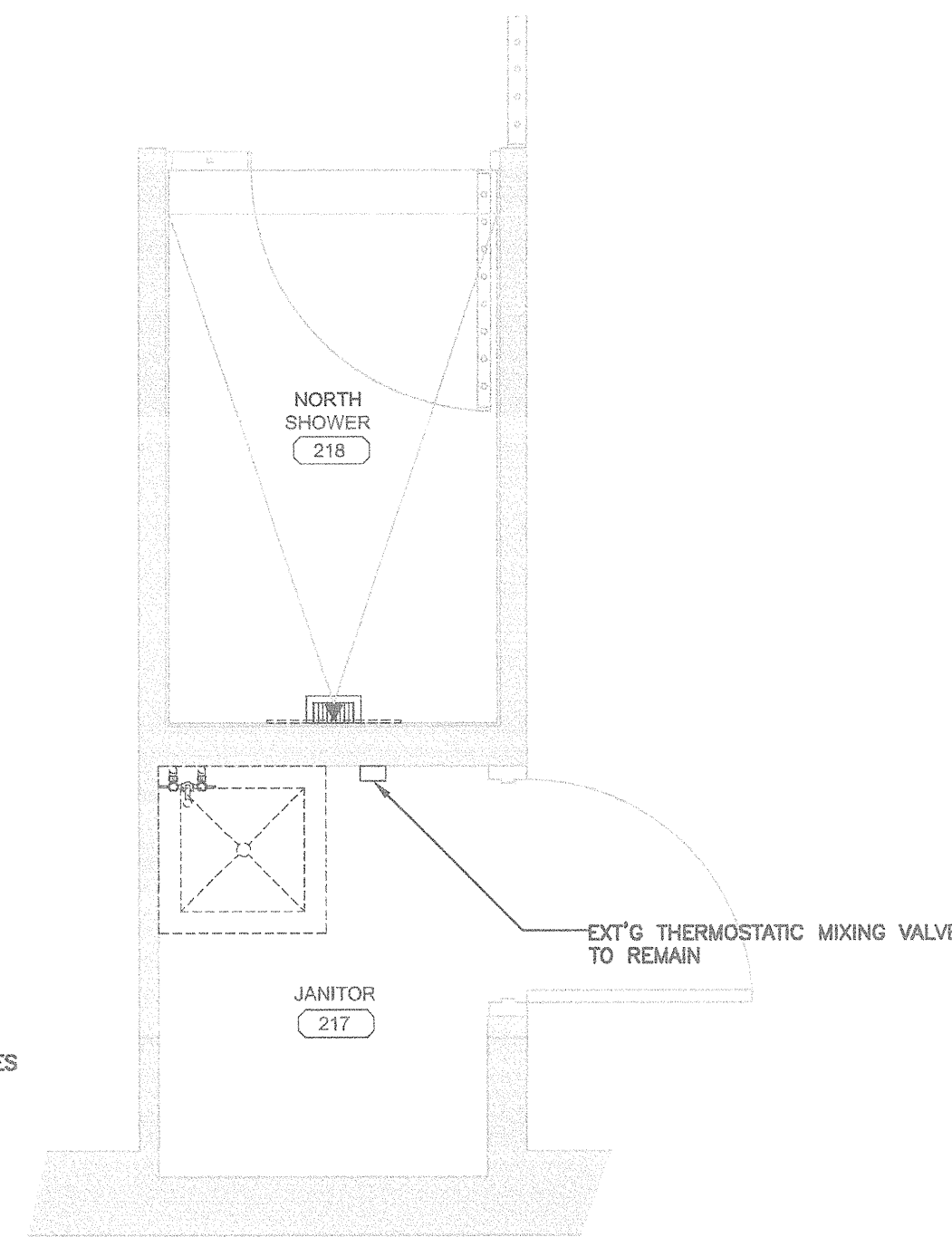
- GENERAL NOTES: (DEMOLITION)
- REMOVE EXISTING PLUMBING FIXTURES UNLESS NOTED OTHERWISE.
  - CAP-OFF EXISTING WATER PIPE CONNECTIONS FOR REMO.
  - REFER PHOTOS ON THIS DRAWING.
  - REMOVE EXT'G ACCESS PANELS & INSTALL NEW MORTICE CYLINDER LOCK ACCESS PANELS. SEE ARCH PLANS FOR DETAILS. (TYP. FOR ALL)

- GENERAL NOTES: (RENOVATION)
- SEE PLUMBING FIXTURE SPECIFICATION FOR DETAIL.
  - CONNECT WITH EXISTING WATER/DRAIN PIPING UNLESS NOTED OTHERWISE.
  - RE-USE EXISTING PLUMBING FIXTURE CARBURETORS UNLESS NOTED OTHERWISE.
  - INSTALL NEW THERMOSTATIC MIXING VALVE AT JANITOR SINK, LAVATORY, KITCHEN SINK, HOT WATER SUPPLY PIPE UNLESS NOTED OTHERWISE. SEE PLUMBING FIXTURE SPECIFICATION FOR SET TEMPERATURE.
  - INSTALL NEW 250(1)x250(1)x200(1) STAINLESS STEEL LOCKABLE BOXES FOR HOUSING THE BATTERY POWER CONTROLLERS. (TYP. FOR ALL)



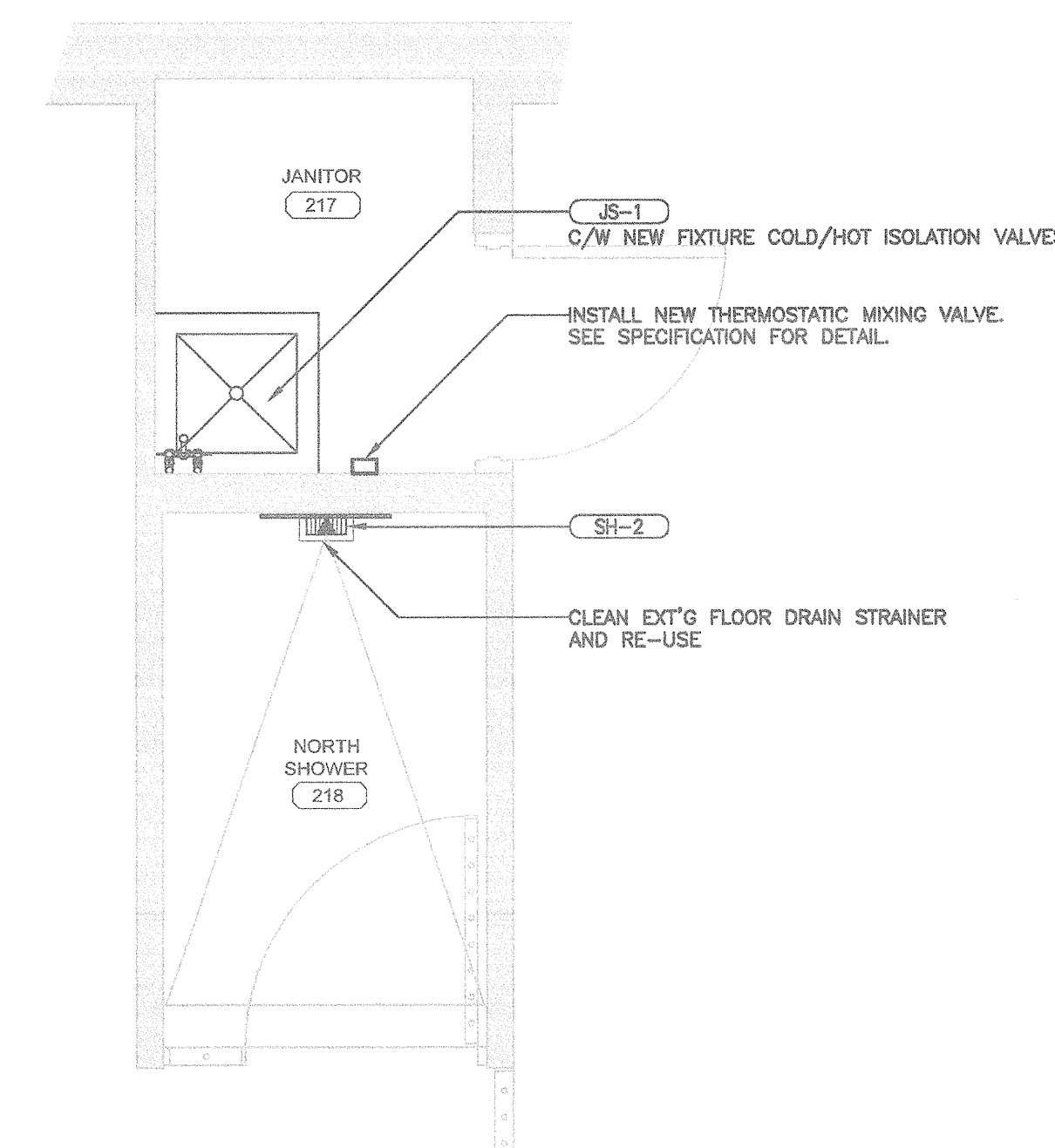
ROOMS 217, 218 FOR UNIT K  
 NEW PLUMBING PLAN

3B  
 P3-03 1:25



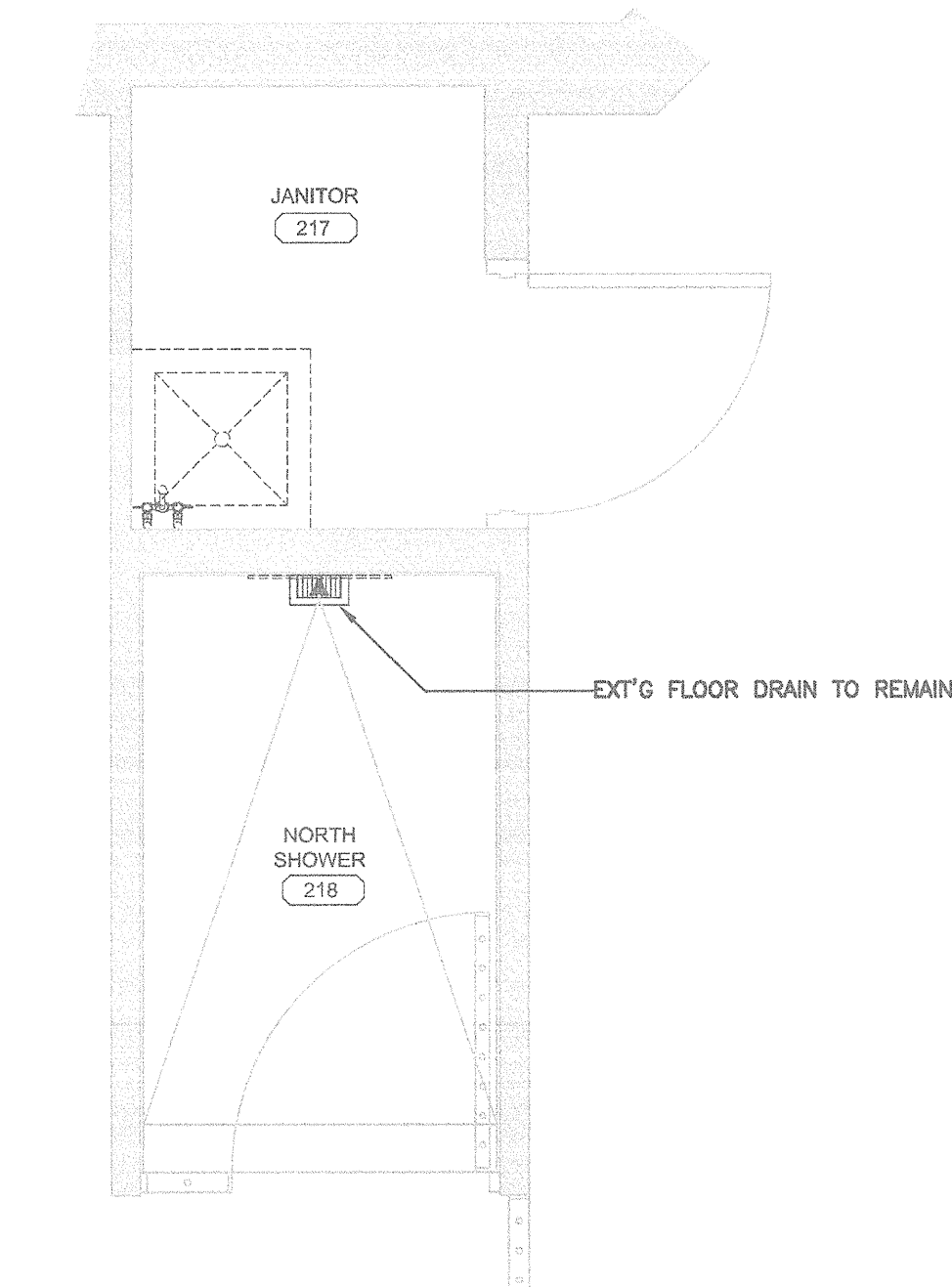
ROOMS 217, 218 FOR UNIT K  
 DEMOLITION PLUMBING PLAN

3A  
 P3-03 1:25



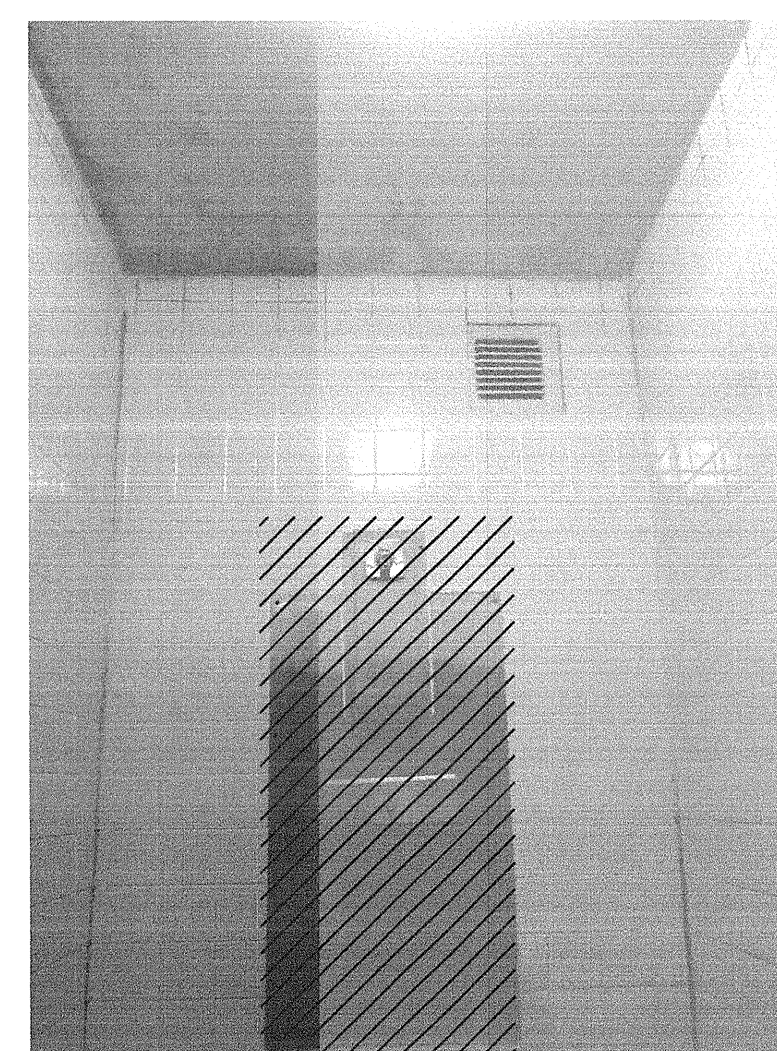
ROOMS 217, 218 FOR UNIT J  
 NEW PLUMBING PLAN

2B  
 P3-03 1:25



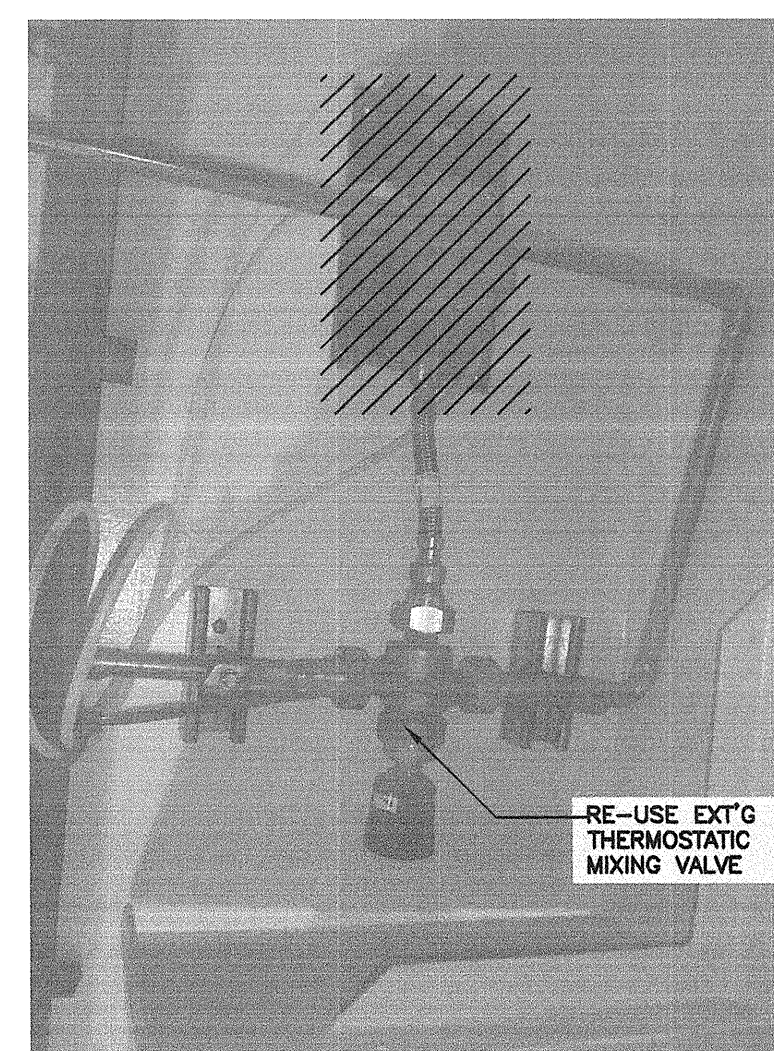
ROOMS 217, 218 FOR UNIT J  
 DEMOLITION PLUMBING PLAN

2A  
 P3-03 1:25



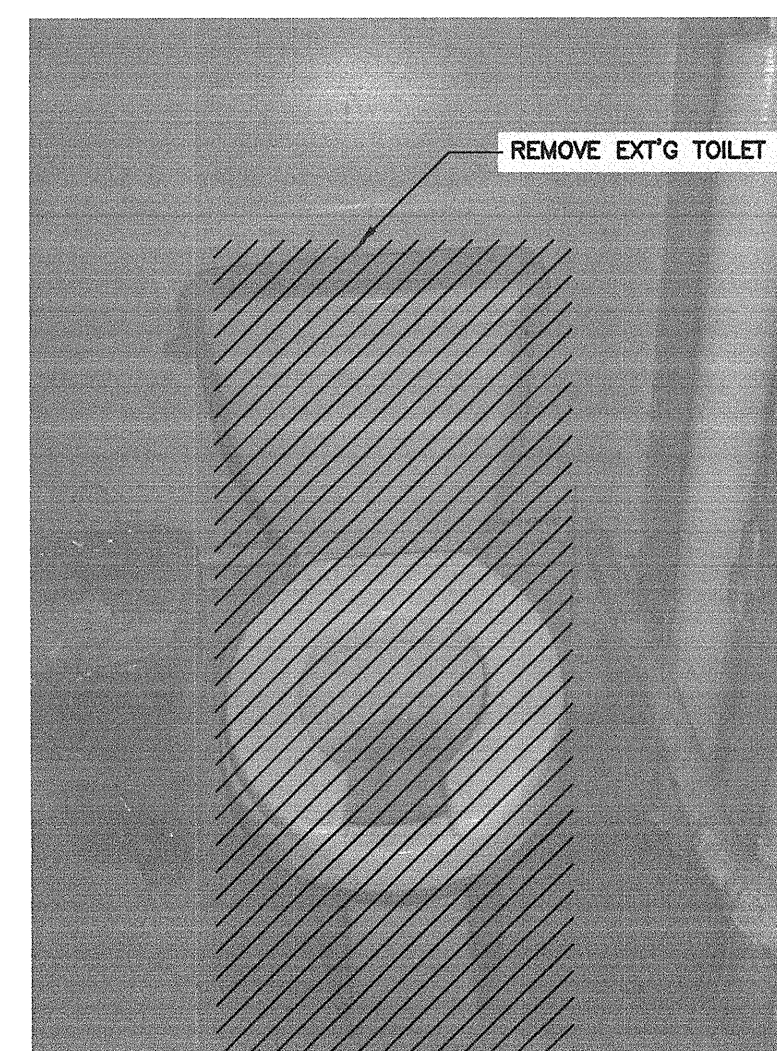
TYP. EXT'G SHOWER (214)

N.T.S.



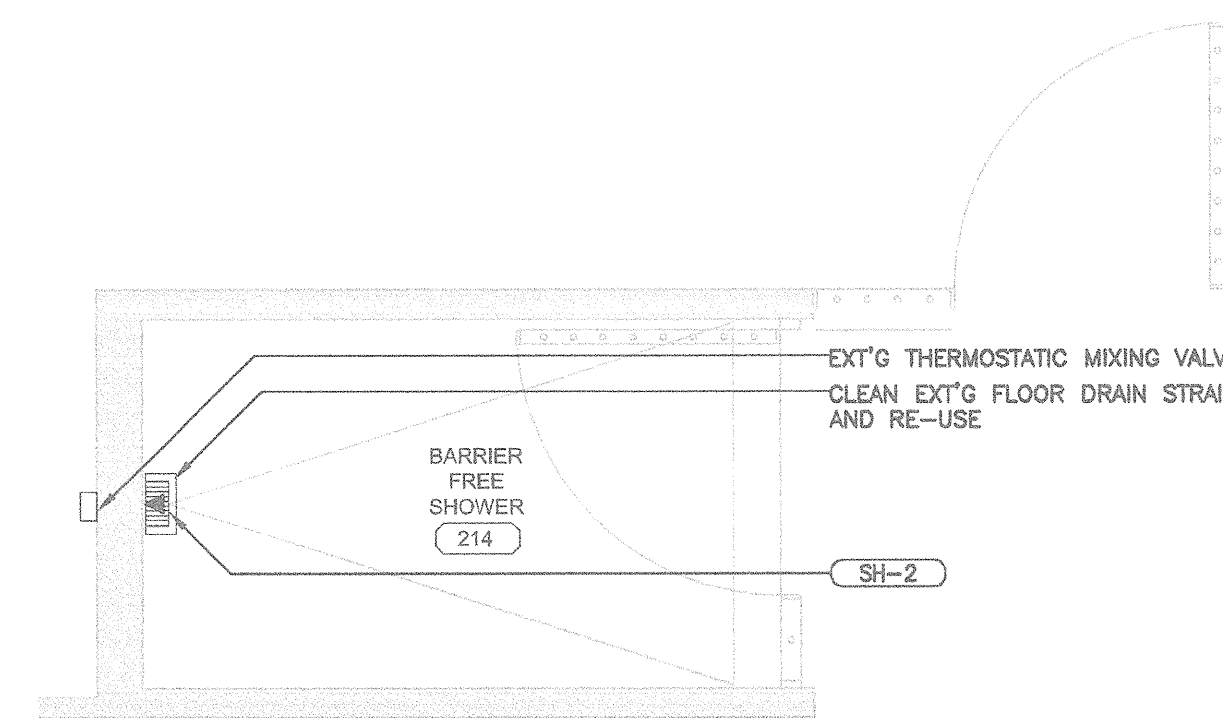
TYP. EXT'G SHOWER EQUIP. (217)

N.T.S.



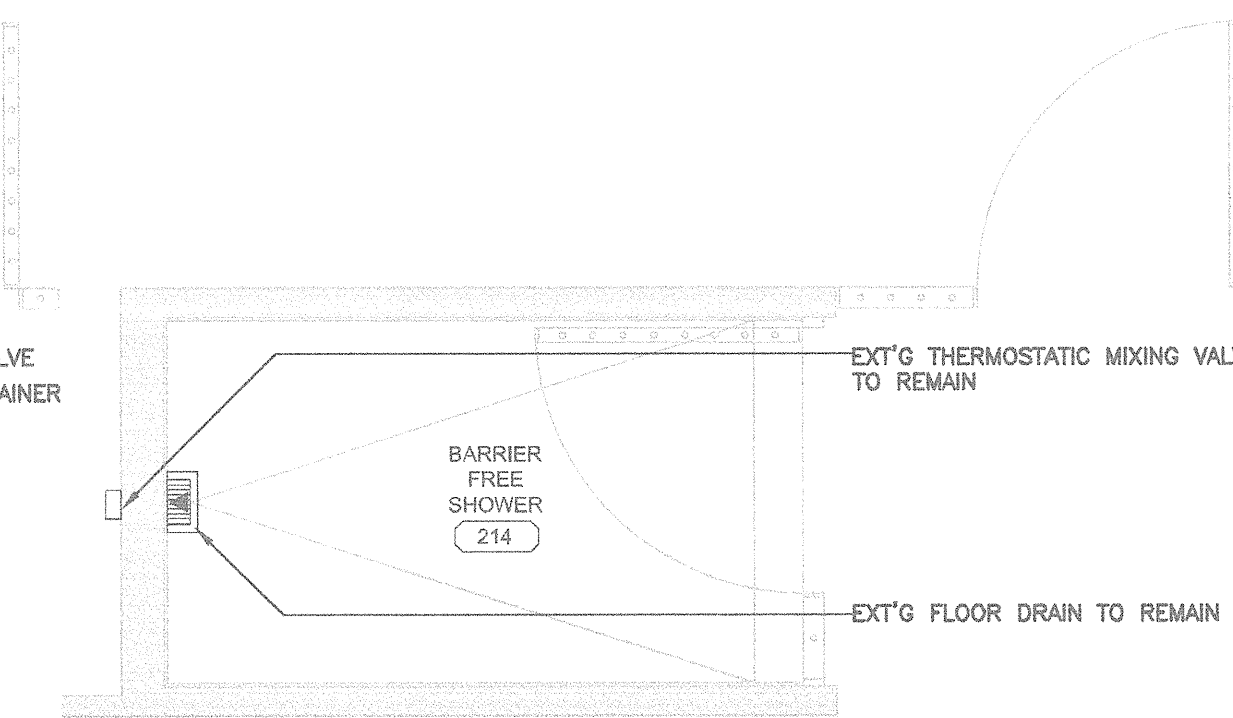
EXT'G TOILET (215)

N.T.S.



ROOM 214 FOR UNIT K  
 NEW PLUMBING PLAN

4B  
 P3-03 1:25



ROOM 214 FOR UNIT K  
 DEMOLITION PLUMBING PLAN

4A  
 P3-03 1:25

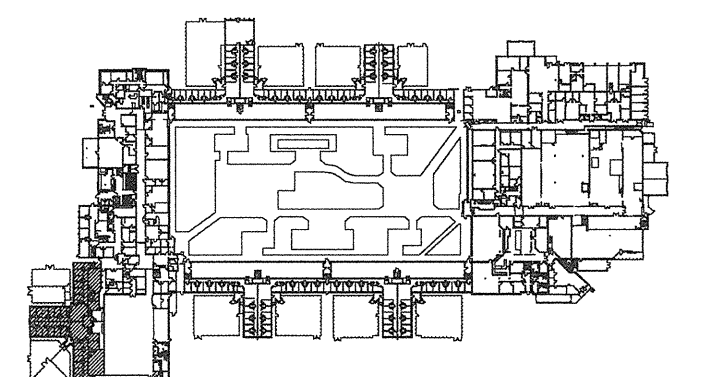




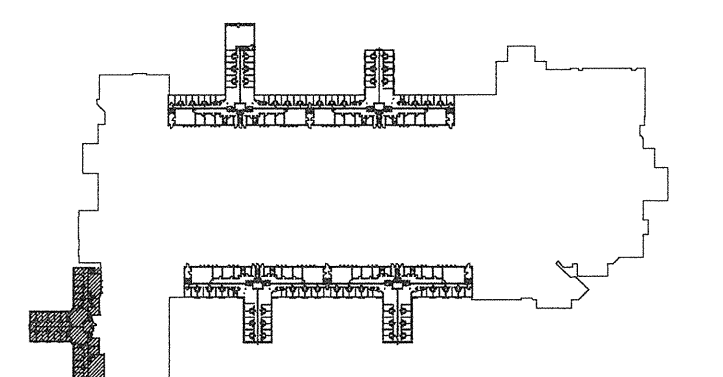
CONSULTANTS:



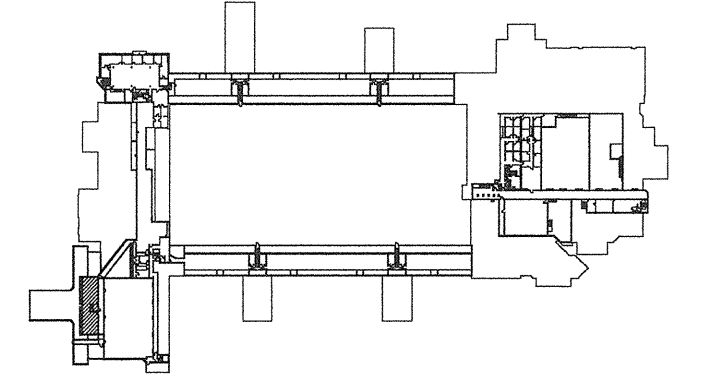
PROJECT #115916385



MAIN FLOOR LEVEL



UPPER LEVEL

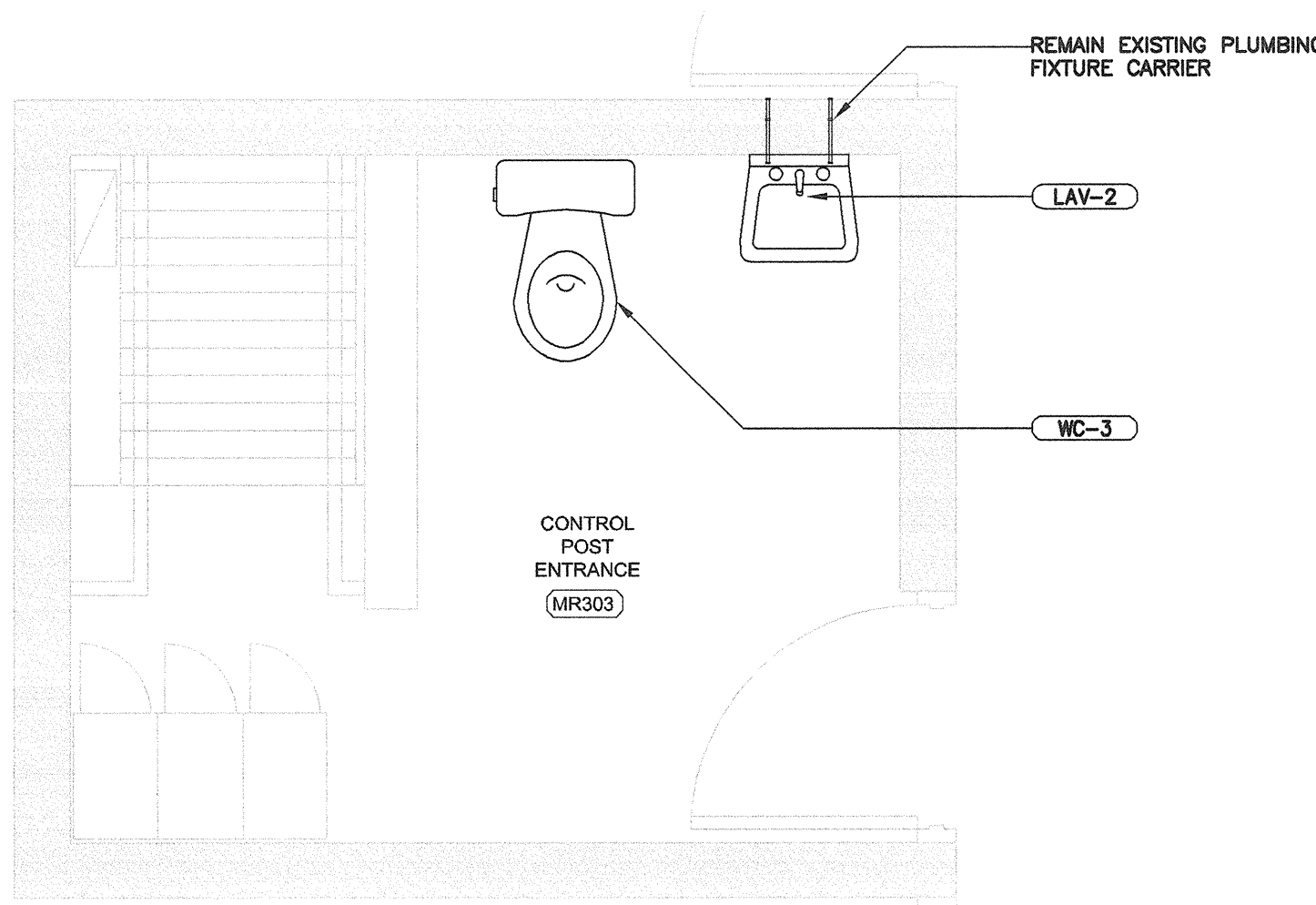


TUNNEL LEVEL

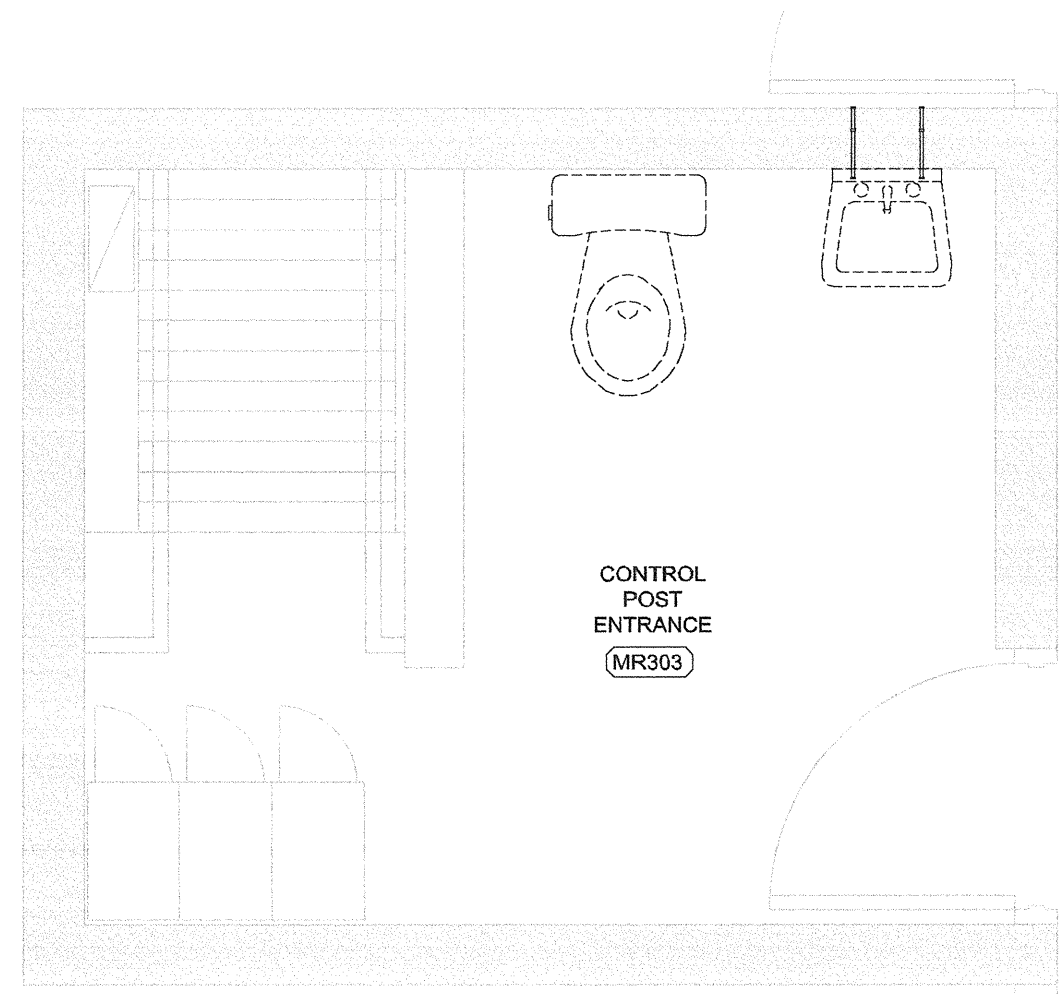


**GENERAL NOTES: (DEMOLITION)**  
 1. REMOVE EXISTING PLUMBING FIXTURES UNLESS NOTED OTHERWISE.  
 2. CAP-OFF EXISTING WATER PIPE CONNECTIONS FOR RENO.  
 3. REFER PHOTOS ON THIS DRAWING.  
 4. REMOVE EXT'G ACCESS PANELS & INSTALL NEW MORTICE CYLINDER LOCK ACCESS PANELS. SEE ARCH PLANS FOR DETAILS. (TYP. FOR ALL)

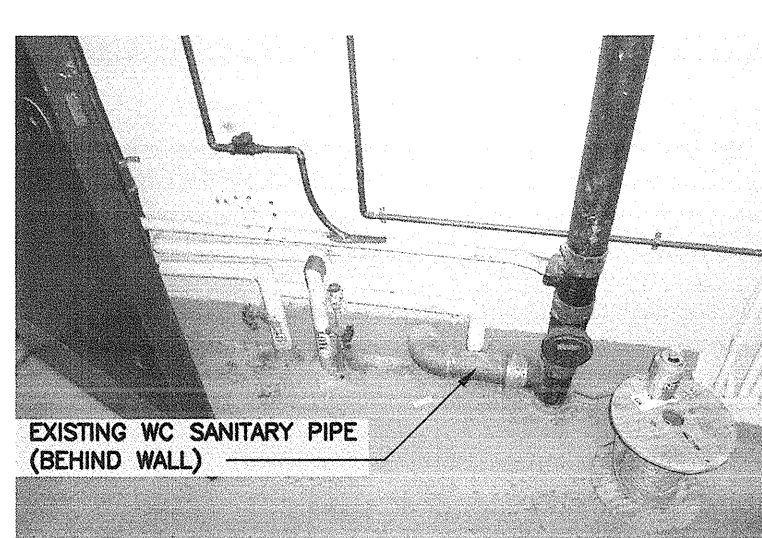
**GENERAL NOTES: (RENOVATION)**  
 1. SEE PLUMBING FIXTURE SPECIFICATION FOR DETAIL.  
 2. CONNECT WITH EXISTING WATER/DRAIN PIPING UNLESS NOTED OTHERWISE.  
 3. RE-USE EXISTING PLUMBING FIXTURE CARRIERS UNLESS NOTED OTHERWISE.  
 4. INSTALL NEW THERMOSTATIC MIXING VALVE AT JANITOR SINK, LAVATORY, KITCHEN SINK HOT WATER SUPPLY PIPE UNLESS NOTED OTHERWISE. SEE PLUMBING FIXTURE SPECIFICATION FOR SET TEMPERATURE.  
 5. INSTALL NEW 250(x)250(x)200(G) STAINLESS STEEL LOCKABLE BOXES FOR HOUSING THE BATTERY POWER CONTROLLERS. (TYP. FOR ALL)



**MR 303**  
**1B NEW PLUMBING PLAN**  
 P3-04 1:25



**MR 303**  
**1A DEMOLITION PLUMBING PLAN**  
 P3-04 1:25



**EXT'G DRAIN PIPE (MR303)**  
 N.T.S



**TYP. EXT'G TOILET (MR302)**  
 N.T.S



**TYP. EXT'G LAV + WC (MR302)**  
 N.T.S

1	ISSUED FOR TENDER	2017.08.16
Revision/	Description/Description	Date/Date

Client/client  
**CORRECTIONAL SERVICE OF CANADA**

Project title/Titre du projet  
**AGASSIZ, BC  
 KENT MAXIMUM SECURITY INSTITUTION  
 MECHANICAL SYSTEM UPGRADE FOR CELL BLOCKS A through H and J & K**

Consultant Signature Box Only  
 Designed by/Concept par  
**SH / HG**  
 Drawn by/Dessiné par  
**SH**  
 PWOSC Project Manager/Administrateur de Projets TPSOC  
**MARVIN NG**  
 PWOSC Regional Manager, Architectural and Engineering Services / Gestionnaire régional, Services d'architecture et de génie, TPSOC  
**PREETIPAL PAUL**

Drawing title/Titre du dessin  
**LIVING UNITS J, K  
 DEMOLITION & NEW PLUMBING PLANS**

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
<b>R.077723.001</b>	<b>P3-04</b>	<b>1</b>

