

DRAWING SEAL:



Revision/	Description/Description	Date/Date
4	ISSUED FOR TENDER - SEALED	22/08/17
3	ISSUED FOR TENDER	22/07/05
2	ISSUED FOR REVIEW / COST ESTIMATE	22/06/17
1	ISSUED FOR REVIEW	22/03/29
0	Design Completion	

Client/client

PARKS CANADA AGENCY

220 4 AVE SE, SUITE 720
CALGARY, AB T2G 4X3

Project title/Titre du projet
**ROGERS PASS COMPOUND
ROGERS PASS BC
ROGERS PASS BUNKHOUSE**

**HEATING SYSTEM UPGRADES
ROGERS PASS BUNKHOUSE**

Consultant Signature Only

Designed by/Concept par

CK

Drawn by/Dessiné par

CK

PWGC Project Manager/Administrateur de Projets TPSGC
REBECCA CHEN

Regional Manager, Architectural and Engineering Services
Gestionnaire régionale, Services d'architectural et de génie, TPSGC
PWGC-REGIONAL MANAGER

Drawing title/Titre du dessin

**BASEMENT AND MAIN FLOOR
HYDRONIC SYSTEM PLAN**

Project No./No. du
projet
5P468-21-0195

Sheet/Feuille
M1
OF 3

Revision no./
La Révision
no.
0

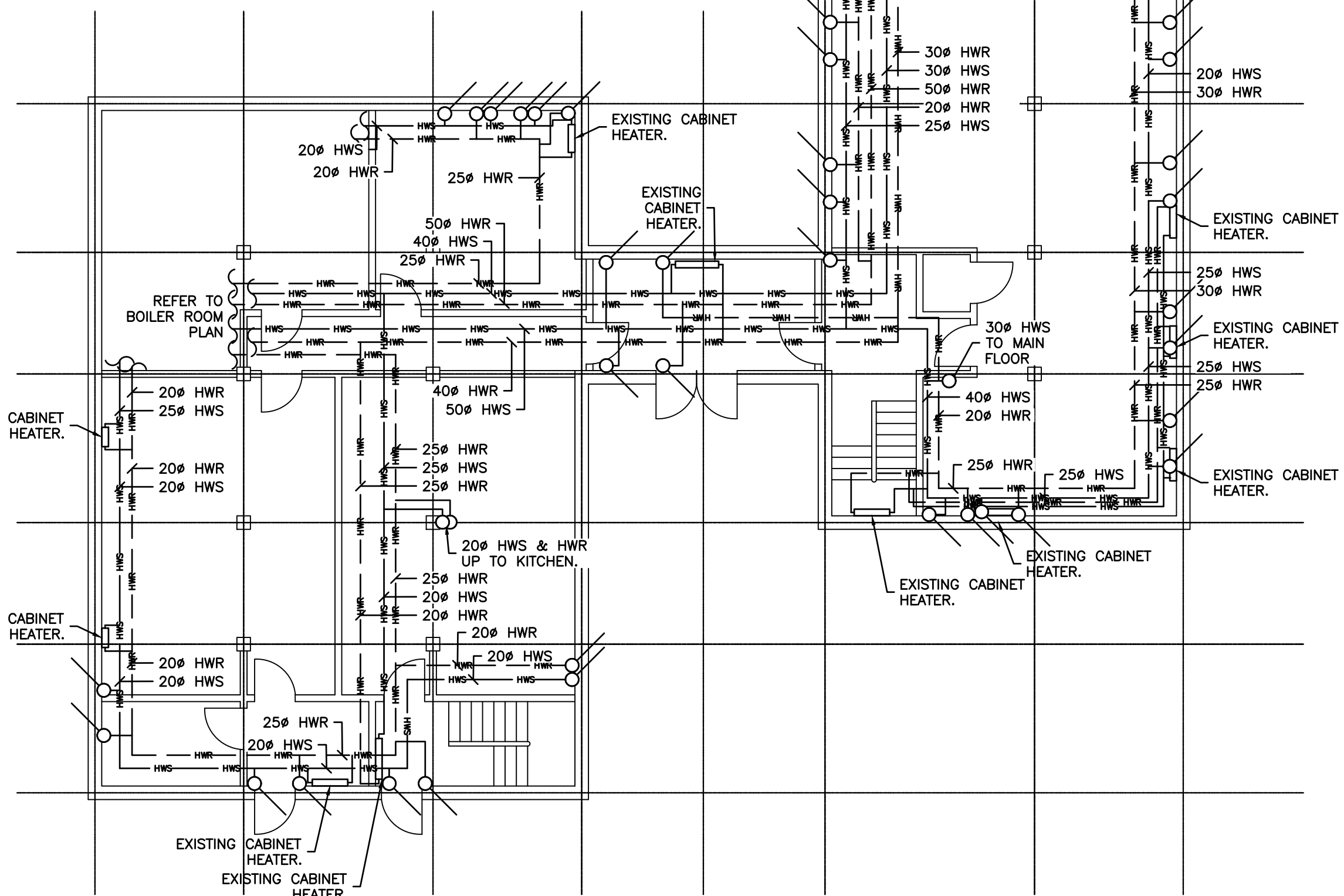
SYMBOL LEGEND

MECHANICAL LINE TYPES

NEW MECHANICAL
EXISTING MECHANICAL TO REMAIN
EXISTING MECHANICAL TO BE REMOVED

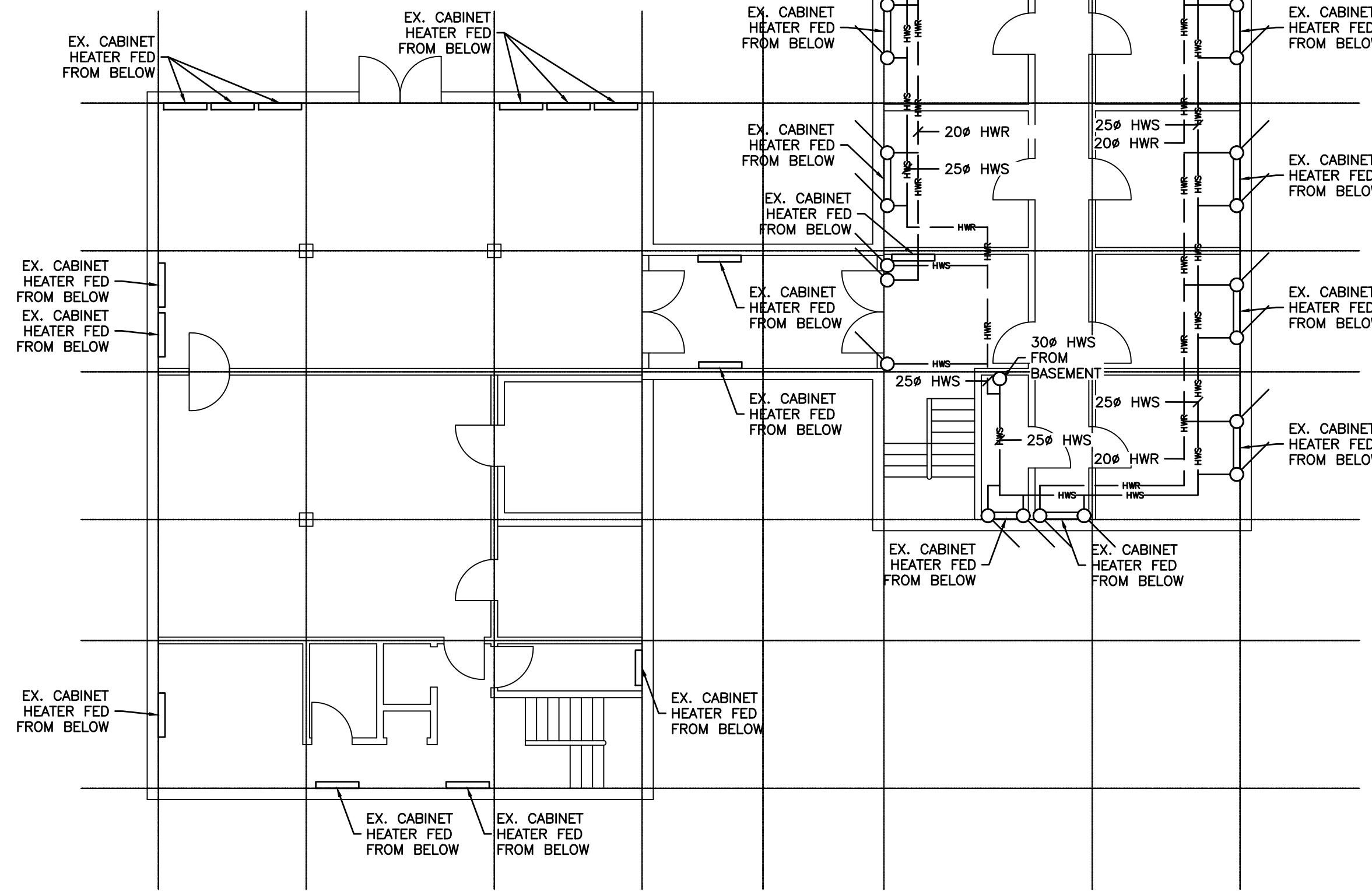
PIPING SYMBOLS

ELBOW UP
ELBOW DOWN
GATE VALVE
GLOBE VALVE
BALL VALVE
BALANCING VALVE
VALVE LOCK & SHIELD
INDICATING VALVES
CHECK VALVES
PLUG VALVE
CONTROL VALVES
SAFETY VALVE
PRESSURE REDUCING VALVE
REDUCERS
UNION OR FLANGE
STRAINERS
PUMP
THERMOSTAT
TEMPERATURE SENSOR
HUMIDISTAT
DEHUMIDISTAT
THERMOMETER
CIRCUIT SETTER
PRESSURE GAUGE WITH PETCOCK
CONNECT TO EXISTING



BASEMENT HEATING
PLAN

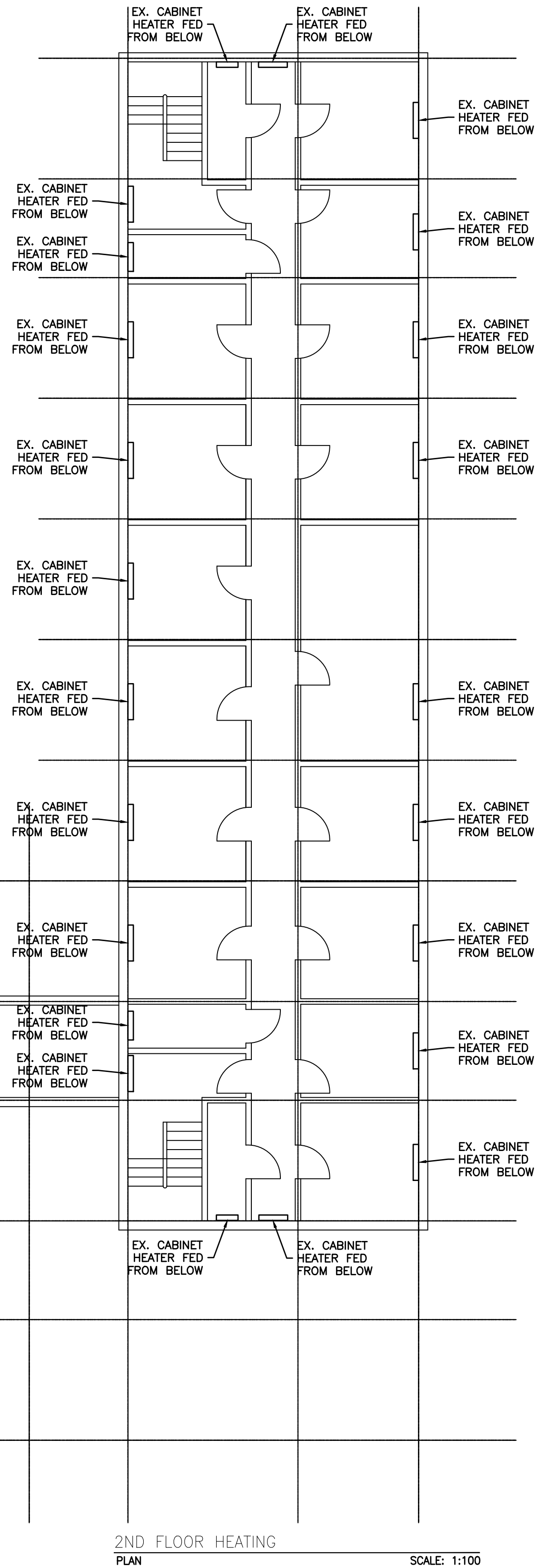
SCALE: 1:100



FIRST FLOOR HEATING
PLAN

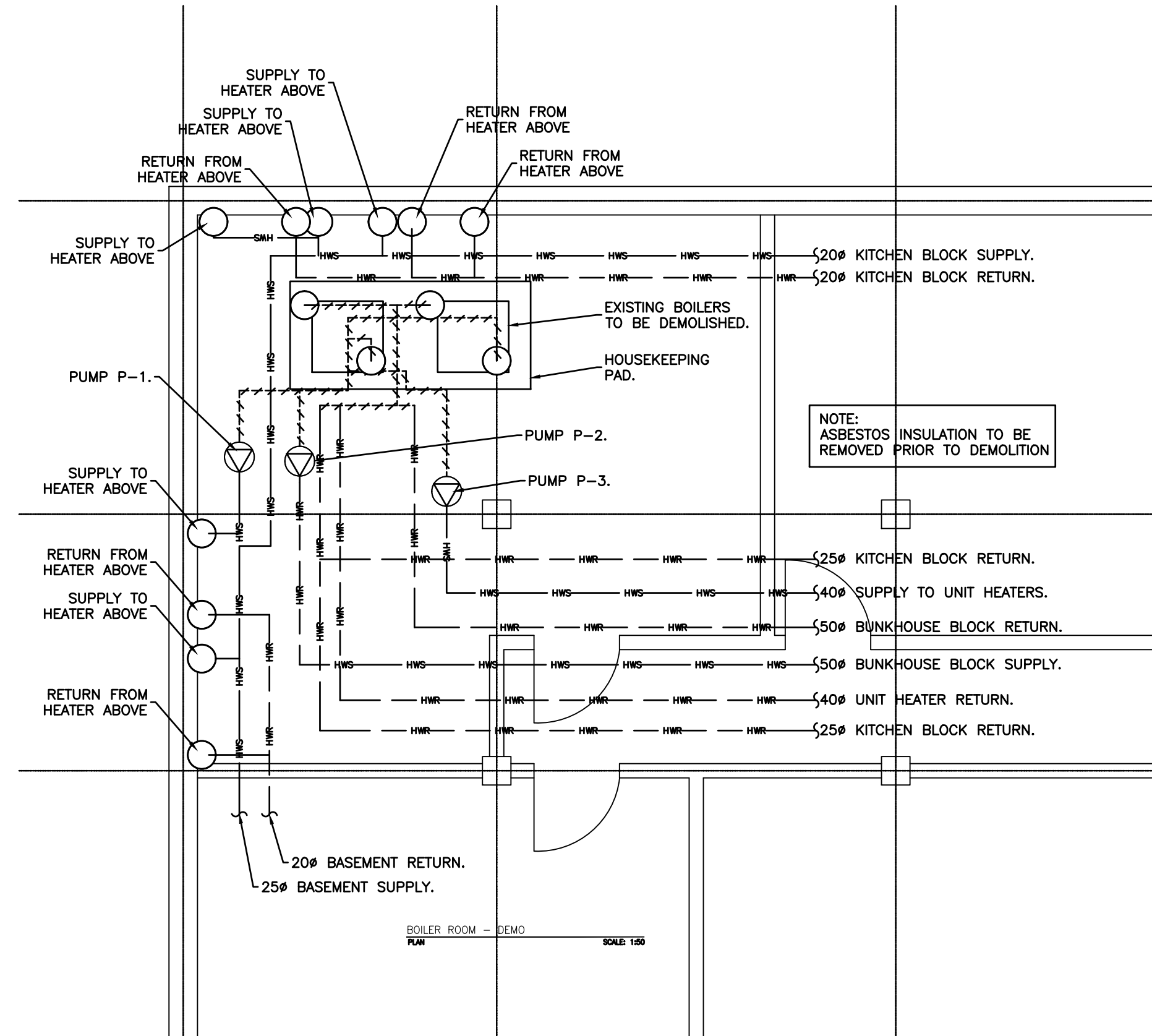
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SYMBOL LEGEND	
MECHANICAL LINE TYPES	
NEW MECHANICAL	HWS
EXISTING MECHANICAL TO REMAIN	HWR
EXISTING MECHANICAL TO BE REMOVED	HWR
PIPING SYMBOLS	
ELBOW UP	
ELBOW DOWN	
GATE VALVE	
GLOBE VALVE	
BALL VALVE	
BALANCING VALVE	
VALVE LOCK & SHIELD	
INDICATING VALVES	
CHECK VALVES	
PLUG VALVE	
CONTROL VALVES	
SAFETY VALVE	
PRESSURE REDUCING VALVE	
REDUCERS	
UNION OR FLANGE	
STRAINERS	
PUMP	
THERMOSTAT	
TEMPERATURE SENSOR	
HUMIDISTAT	
DEHUMIDISTAT	
THERMOMETER	
CIRCUIT SETTER	
PRESSURE GAUGE WITH PETCOCK	
CONNECT TO EXISTING	



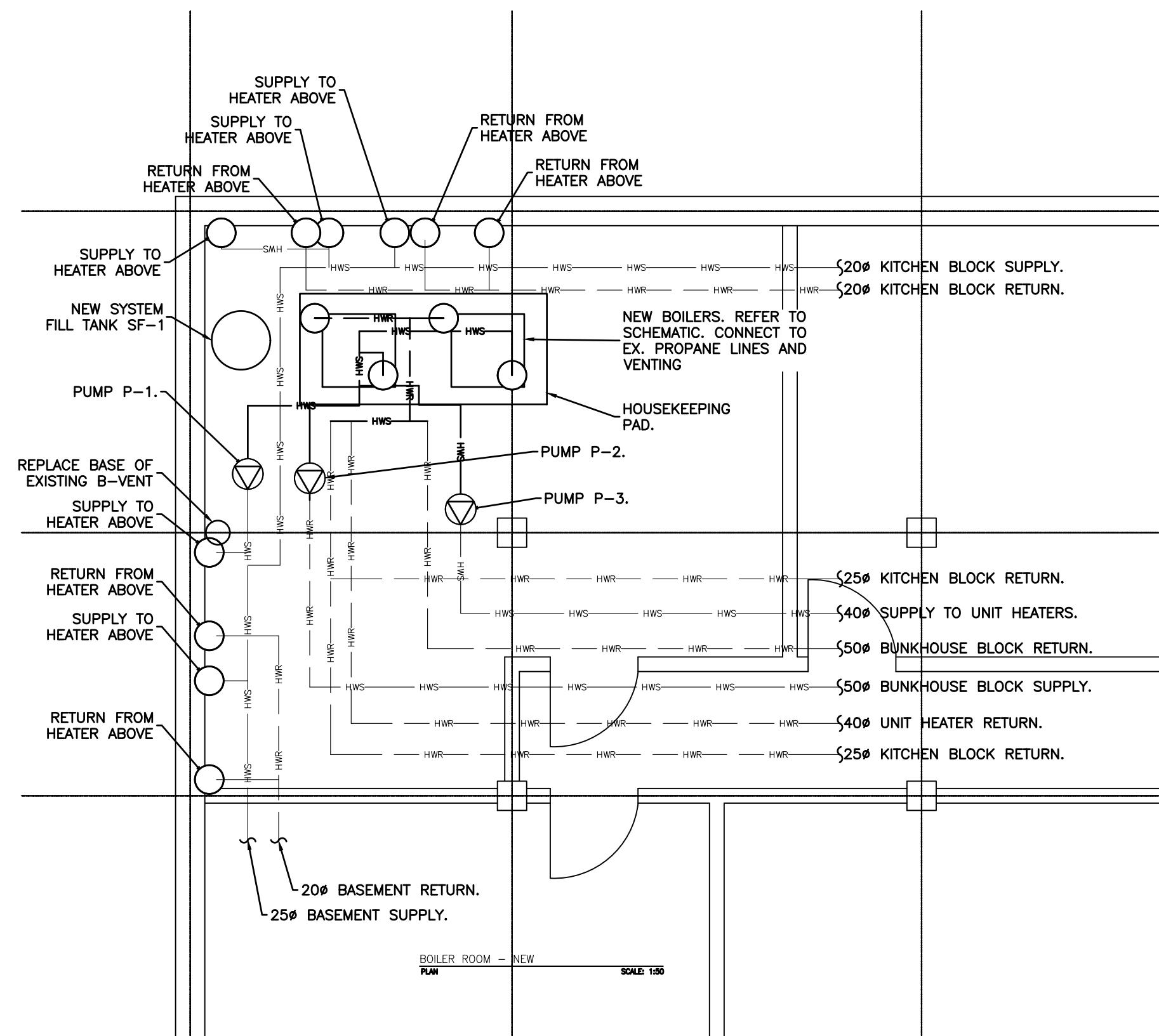
2ND FLOOR HEATING
PLAN

SCALE: 1:100



BOILER ROOM - DEMO
PLAN

SCALE 1:50



BOILER ROOM - NEW
PLAN

SCALE 1:50

DRAWING SEAL:



PERMIT
1000259

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Client/client

PARKS CANADA AGENCY

220 4 AVE SE, SUITE 720
CALGARY, AB T2G 4X3

Project title/Titre du projet
ROGERS PASS COMPOUND
ROGERS PASS BC
ROGERS PASS BUNKHOUSE

HEATING SYSTEM UPGRADES
ROGERS PASS BUNKHOUSE

Consultant Signature Only

Designed by/Concept par
CK

Drawn by/Dessiné par
CK

PWGSC Project Manager/Administrateur de Projets TPSGC
REBECCA CHEN

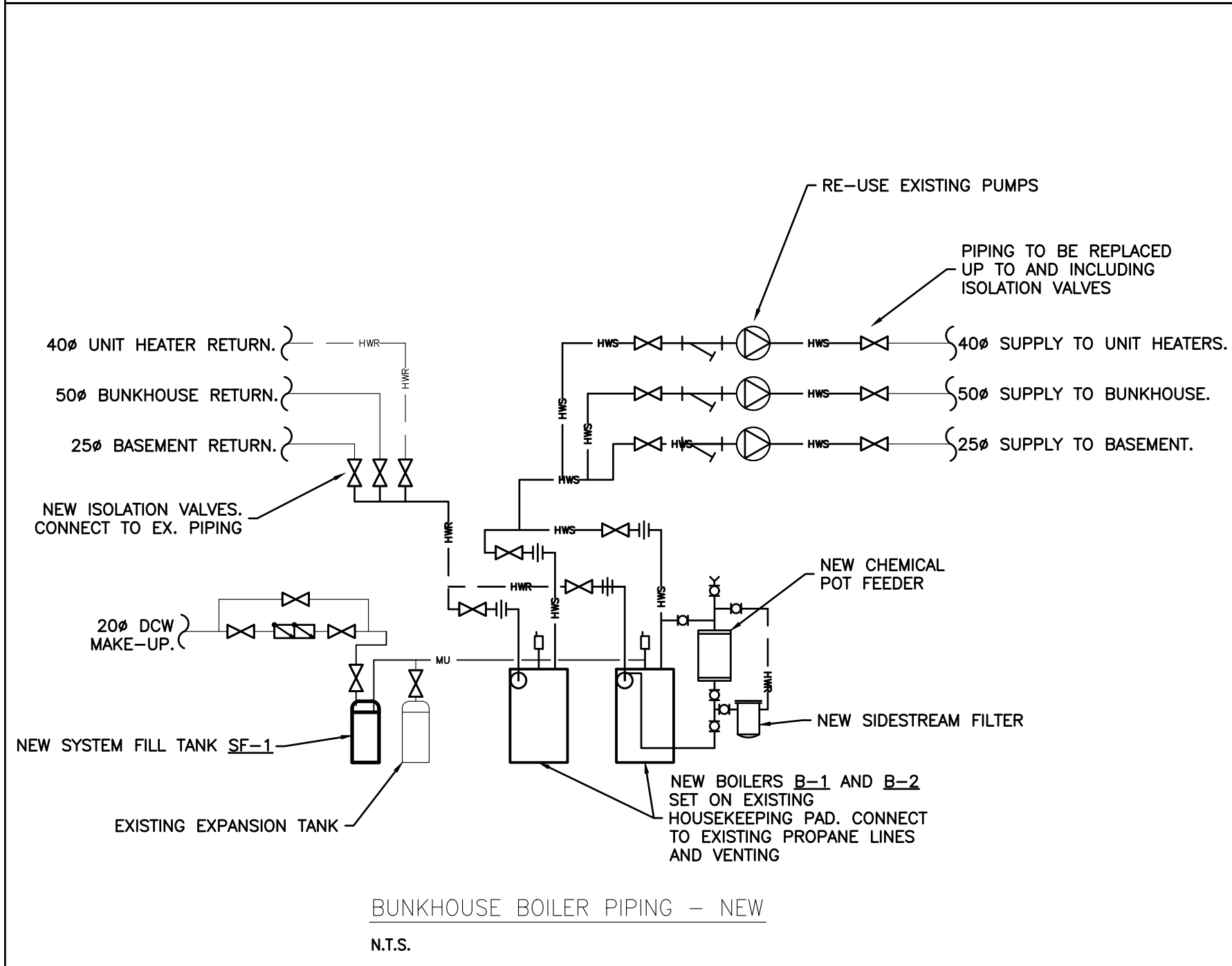
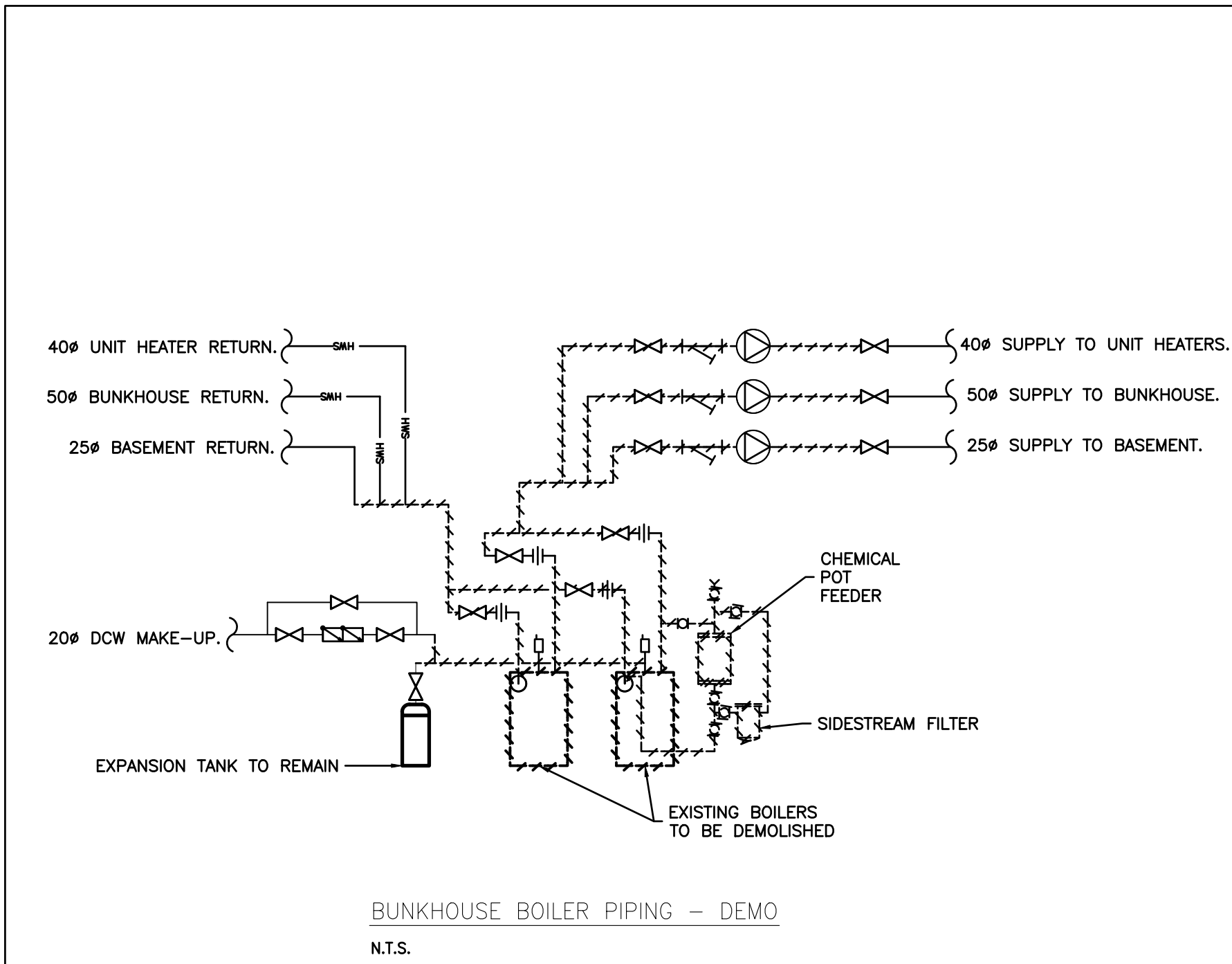
Regional Manager, Architectural and Engineering Services
Gestionnaire régionale, Services d'architecture et de génie, TPSGC
PWGSC-REGIONAL MANAGER

Drawing title/Titre du dessin

BOILER ROOM AND SECOND FLOOR
HYDRONIC SYSTEM PLAN

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
5P468-21-0195	M2 OF 3	0

SYMBOL LEGEND		
MECHANICAL LINE TYPES		
NEW MECHANICAL	----	HWS
EXISTING MECHANICAL TO REMAIN	----	HWS
EXISTING MECHANICAL TO BE REMOVED	----	HWS
PIPING SYMBOLS		
ELBOW UP		
ELBOW DOWN		
GATE VALVE		
GLOBE VALVE		
BALL VALVE		
BALANCING VALVE		
VALVE LOCK & SHIELD		
INDICATING VALVES		
CHECK VALVES		
PLUG VALVE		
CONTROL VALVES		
SAFETY VALVE		
PRESSURE REDUCING VALVE		
REDUCERS		
UNION OR FLANGE		
STRAINERS		
PUMP		
THERMOSTAT		
TEMPERATURE SENSOR		
HUMIDISTAT		
DEHUMIDISTAT		
THERMOMETER		
CIRCUIT SETTER		
PRESSURE GAUGE WITH PETCOCK		
CONNECT TO EXISTING		



SYSTEM FILL MAKEUP UNIT SCHEDULE	
SF-1	"AXIOM" MODEL SF100 SYSTEM FEEDER, 208 L. POLYETHYLENE RESERVOIR TANK WITH MOLDED-IN LEVEL GAUGE, C/W PRESSURE PUMP, ADJUSTIBLE REGULATING VALVE 0 TO 35-380 KPa C/W PRESSURE GAUGE, 1.0 US GPM @ FREE FLOW, 115V/1/60, RATED 0.7 AMPS, C/W CORD AND PLUG.

BOILER SCHEDULE		
	B-1	B-2
MAKE	WEIL MCLEAN	WEIL MCLEAN
MODEL	480	480
PERFORMANCE		
FUEL	PROPANE	PROPANE
INPUT	491 MBH	491 MBH
OUTPUT	396 MBH	396 MBH
MIN. EFF.	80 %	80 %
PHYSICAL		
INLET	2 in	2 in
OUTLET	2 in	2 in
LPG INLET	1.25 in	1.25 in
VENT	8 in	8 in
ELECTRICAL		
V/PH/HZ	120/1/60	120/1/60
NOTES	1,2,3,4,5,6,7	1,2,3,4,5,6,7
NOTES:		
1. C/W INTEGRAL AIR ELIMINATOR.		
2. C/W LOW WATER CUT-OFF.		
3. C/W PRESURE RELIEF VALVE		
4. POWERFLAME BURNER C/W PROPANE CONVERSION KIT.		

DRAWING SEAL:



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3	ISSUED FOR TENDER	22/07/05
2	ISSUED FOR REVIEW / COST ESTIMATE	22/04/28
1	ISSUED FOR REVIEW	22/03/30
0	Design Completion	

Client/client	PARKS CANADA AGENCY
220 4 AVE SE, SUITE 720 CALGARY, AB T2G 4X3	

Project title/Titre du projet	ROGERS PASS COMPOUND ROGERS PASS BC ROGERS PASS BUNKHOUSE
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HEATING SYSTEM UPGRADES ROGERS PASS BUNKHOUSE

Consultant Signature Only	
Designed by/Concept par CK	
Drawn by/Dessiné par CK	
PWGSC Project Manager/Administrateur de Projets TPSGC REBECCA CHEN	
Regional Manager, Architectural and Engineering Services Gestionnaire régionale, Services d'architectural et de génie, TPSGC PWGSC-REGIONAL_MANAGER	

Drawing title/Titre du dessin	EQUIPMENT SCHEDULES SCHEMATICS
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Project No./No. du projet 5P468-21-0195	Sheet/Feuille M3 OF 3	Revision no./ La Révision no. 0
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Revision/		

Client/client
PARKS CANADA AGENCY

220 4 AVE SE, SUITE 720
CALGARY, AB T2G 4X3

Project title/Titre du projet
**ROGERS PASS COMPOUND
ROGERS PASS BC
ROGERS PASS GARAGE**

**HEATING SYSTEM UPGRADES
ROGERS PASS GARAGE**

Consultant Signature Only

Designed by/Concept par
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PWGSC Project Manager/Administrateur de Projets TPSGC
REBECCA CHEN

Regional Manager, Architectural and Engineering Services
Gestionnaire régionale, Services d'architectural et de génie, TPSGC
PWGSC-REGIONAL_MANAGER

Drawing title/Titre du dessin
**EQUIPMENT SCHEDULES
SCHEMATICS
MECHANICCAL ROOM PLANS**

Project No./No. du projet 5P468-21-0195	Sheet/Feuille M4 OF 3	Revision no./ La Révision no. 0
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PUMP SCHEDULE

	BP-1	BP-2
LOCATION	MECH ROOM	MECH ROOM
SERVICE	BOILER CIRC	BOILER CIRC
MAKE	TACO	TACO
MODEL	KV2007D	KV2007D
PERFORMANCE		
FLOW	85 USgpm	85 USgpm
HEAD	10 ft	10 ft
PUMP SPEED	1160 RPM	1160 RPM
ELECTRICAL		
HP	1 HP	1 HP
V/PH/HZ	120/1/60	120/1/60
NOTES	1	1

- NOTES:
1. TO RUN ON DEMAND FROM B-1
 2. TO RUN ON DEMAND FROM B-2

BOILER SCHEDULE - GARAGE

	B-1	B-2
MAKE	PATTERON KELLEY	PATTERON KELLEY
MODEL	N1000MFD	N1000MFD
PERFORMANCE		
FUEL	PROPANE	PROPANE
INPUT	1000 MBH	1000 MBH
OUTPUT	850 MBH	850 MBH
MIN. EFF.	85 %	85 %
PHYSICAL		
INLET	2.5 in	2.5 in
OUTLET	2.5 in	2.5 in
LPG INLET	1.25 in	1.25 in
VENT	5 in	5 in
ELECTRICAL		
V/PH/HZ	120/1/60	120/1/60
NOTES	1,2,3,4,5,6,7	1,2,3,4,5,6,7

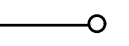
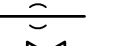
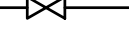
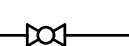
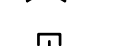
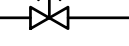

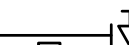

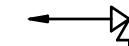

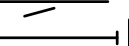
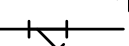
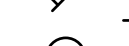




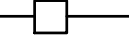
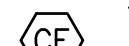
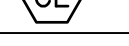



- NOTES:
1. C/W INTEGRAL AIR ELIMINATOR.
 2. C/W LOW WATER CUT-OFF.
 3. C/W PRESURE RELIEF VALVE
 4. C/W PROPANE CONVERSION KIT.
 5. C/W SIDEWALL VENT KIT.

SYMBOL LEGEND

MECHANICAL LINE TYPES

NEW MECHANICAL	— HWS — HWS —
EXISTING MECHANICAL TO REMAIN	— HWS — HWS —
EXISTING MECHANICAL TO BE REMOVED	--- HWS --- HWS ---

PIPING SYMBOLS

ELBOW UP	
ELBOW DOWN	
GATE VALVE	
GLOBE VALVE	
BALL VALVE	
BALANCING VALVE	
VALVE LOCK & SHIELD	
INDICATING VALVES	
CHECK VALVES	
PLUG VALVE	
CONTROL VALVES	
SAFETY VALVE	
PRESSURE REDUCING VALVE	
REDUCERS	
UNION OR FLANGE	
STRAINERS	
PUMP	
THERMOSTAT	
TEMPERATURE SENSOR	
HUMIDISTAT	
DEHUMIDISTAT	
THERMOMETER	
CIRCUIT SETTER	
PRESSURE GUAGE WITH PETCOCK	
CONNECT TO EXISTING	