

0 ISSUED FOR TENDER MAR 13 2018

revisions date

project project

**CANADIAN HERITAGE
4th FLOOR FIT-UP
1045 MAIN STREET
MONCTON, NB**

**4TH FLOOR EXISTING
& MODIFICATION
FLOOR PLANS
- FIRE PROTECTION**

designed M.A.M. conçu

date DECEMBER, 2017

drawn J.M. dessiné

date DECEMBER, 2017

approved R.M. approuvé

date DECEMBER, 2017

Tender Soumission

PWGSC Project Manager Administrateur de projets TP50C

project number no. du projet

R.083347.002

drawing no. no. du dessin

M-1

DRAWING REFERENCE NOTES - DEMOLITION

- EXISTING SEMI-RECESSED PENDENT SPRINKLER HEAD c/w ESCUTCHEON CUPS TO BE REMOVED. REFER TO MODIFICATION PLAN FOR RELOCATION AND SPRINKLER COVERAGE.
- EXISTING SEMI-RECESSED PENDENT SPRINKLER HEAD c/w ESCUTCHEON CUPS TO BE REMOVED. HEADS ARE LOCATED IN SLOPED BULKHEAD AND FLAT GYPSUM BOARD AREA.
- EXISTING FIRE EXTINGUISHER c/w WALL BRACKET TO BE REMOVED AND TURN OVER TO OWNER.
- EXISTING FIRE EXTINGUISHER CABINET c/w EXTINGUISHER AND HOSE VALVE TO BE REMAIN.

4TH FLOOR EXISTING ROOM LIST			
ROOM #	NAMES	ROOM #	NAMES
4454	OPEN OFFICE	4458A	STORAGE
4455	TELE ROOM	4459	OFFICE
4456	EMERGENCY OPS ROOM	4460	OPEN OFFICE
4456A	STORAGE	4461	STAIRWELL
4457	OFFICE	4462	S.R. MEETING ROOM
4458	SPECTRUM	4463	HR FILE ROOM

EXISTING ROOM NAME LIST 3
SCALE : N.T.S. M-1

SYMBOL LEGEND - DEMOLITION

- EXISTING PENDENT SPRINKLER HEAD LOCATION TO REMAIN
- EXISTING PENDENT SPRINKLER HEAD TO BE REMOVED
- EXISTING FIRE EXTINGUISHER CABINET c/w EXTINGUISHER AND HOSE VALVE TO BE REMAIN
- EXISTING FIRE EXTINGUISHER c/w WALL BRACKET TO BE REMOVED

EXISTING SYMBOL LEGEND 4
SCALE : N.T.S. M-1

4TH FLOOR MODIFICATION ROOM LIST			
ROOM #	NAMES	ROOM #	NAMES
4451	KITCHEN	4524D	CORRIDOR
4452	W/R	4524E	OPEN OFFICE
4453	W/R	4524F	CORRIDOR
4454	CORRIDOR	4524G	OPEN OFFICE
4455	TEL DATA	4524H	
4468	LAN	4525	STORAGE CLOSET
4518	ENTRANCE	4526	EQUIP. & MAILING
4519	PRIVATE ROOM	4527	OFFICE
4520	PRIVATE ROOM	4528	Huddle ROOM
4521	MEDIUM MEETING RM	4529	Huddle ROOM
4522	PERSONAL TOWERS	4530	PRIVATE ROOM
4523	LOUNGE CAFE	4530A	SECURITY CLOSET
4524A	OPEN OFFICE	4531	FILE ROOM
4524B	CORRIDOR	4532	SMALL MEETING ROOM
4524C	CORRIDOR		

MODIFICATION ROOM NAME LIST 5
SCALE : N.T.S. M-1

SYMBOL LEGEND - MODIFICATION

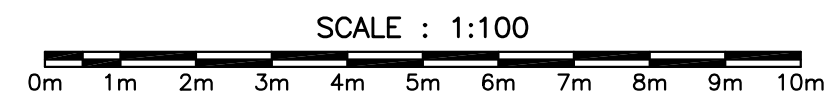
- EXISTING PENDENT SPRINKLER HEAD LOCATION TO REMAIN
- EXISTING PENDENT SPRINKLER POSITION TO BE RELOCATED c/w NEW QUICK RESPONSE SPRINKLER HEAD
- EXISTING PENDENT SPRINKLER HEAD TO BE REMOVED
- NEW QUICK RESPONSE PENDENT SPRINKLER HEAD
- EXISTING PENDENT SPRINKLER HEAD TO BE REMOVED AND REPLACED IN SAME LOCATION WITH NEW QUICK RESPONSE PENDENT SEMI RECESSED TWO PIECE WHITE ESCUTCHEON CUP. K=5.6 FACTOR, 25mm N.P.T. THREAD, TEMPERATURE 68°C, WHITE FINISH.
- EXISTING FIRE EXTINGUISHER CABINET c/w EXTINGUISHER AND HOSE VALVE TO BE REMAIN
- NEW SEMI RECESSED FIRE EXTINGUISHER CABINET c/w 4.5 kg ABC MULTI-PURPOSE DRY CHEMICAL FIRE EXTINGUISHER

MODIFICATION SYMBOL LEGEND 6
SCALE : N.T.S. M-1

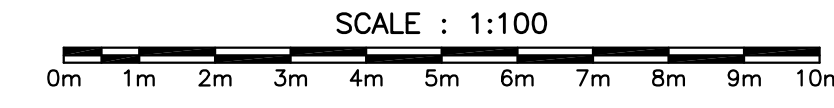
DRAWING REFERENCE NOTES - MODIFICATIONS

- ALL RECESSED PENDENT SPRINKLER HEADS TO BE REPLACED WITH QUICK RESPONSE TYPE SPRINKLER HEADS. K=5.6 FACTOR, 68°C TEMPERATURE, 25mm N.P.T. THREAD, WHITE FINISH.
- PIPING INSTALLATION METHOD FOR THE RELOCATED SPRINKLER HEADS TO BE DETERMINED ON SITE. REFER TO RETURN BEND OR FLEXIBLE HOSE DETAIL FOR INSTALLATION DETAILS.
- REFER TO ELECTRICAL LIGHTING DRAWINGS FOR LOCATIONS AND FIXTURE TYPES
- REFER TO MECHANICAL HVAC DRAWINGS FOR LOCATIONS AND DIFFUSER TYPES
- EXISTING FIRE EXTINGUISHER CABINET AND EXTINGUISHER TO REMAIN

4TH FLOOR EXISTING FLOOR PLAN - FIRE PROTECTION 1
SCALE : 1:100 M-1



4TH FLOOR MODIFICATION FLOOR PLAN - FIRE PROTECTION 2
SCALE : 1:100 M-1



DRAWING REFERENCE NOTES - DEMOLITION

- 1 - CUT SECTION OF EXISTING CONDENSATE PIPING TO THIS POINT. REMOVE AND RE-USE EXISTING PIPING AND FITTINGS AS REQUIRED. REFER TO MODIFICATION DWG. FOR LOCATION
- 2 - CAP SECTION OF EXISTING CONDENSATE PIPING AT THIS POINT. REMOVE AND RE-USE EXISTING PIPING AND FITTINGS AS REQUIRED. REFER TO MODIFICATION DWG. FOR LOCATION

4TH FLOOR EXISTING ROOM LIST			
ROOM #	NAMES	ROOM #	NAMES
4454	OPEN OFFICE	4458A	STORAGE
4455	TELE ROOM	4459	OFFICE
4456	EMERGENCY OPS ROOM	4460	OPEN OFFICE
4456A	STORAGE	4461	STAIRWELL
4457	OFFICE	4462	S.R. MEETING ROOM
4458	SPECTRUM	4463	HR FILE ROOM

SYMBOL LEGEND - DEMOLITION

- DCW--- EXISTING DOMESTIC COLD WATER PIPING TO REMAIN
 ---DCW--- EXISTING DOMESTIC COLD WATER TO BE REMOVED
 ---DHW--- EXISTING DOMESTIC HOT WATER PIPING TO REMAIN
 ---DHW--- EXISTING DOMESTIC HOT WATER PIPING TO BE REMOVED
 ---SAN--- EXISTING SANITARY TO REMAIN
 ---SAN--- EXISTING SANITARY TO BE REMOVED
 ---V--- EXISTING VENT PIPING TO REMAIN
 ---V--- EXISTING VENT PIPING TO BE REMOVED
 ---CD--- EXISTING CONDENSATE DRAIN PIPING TO REMAIN
 ---CD--- EXISTING CONDENSATE DRAIN PIPING TO BE REMOVED
 --- EXISTING PIPING CUT AND SECTION REMOVED TO THIS POINT
 --- EXISTING CAPPED AND SECTION REMOVED
 HP XXX EXISTING HEAT PUMP TO REMAIN
 HP XX RE EXISTING HEAT PUMP TO BE REMOVED AND RELOCATED - REFER TO MODIFICATION DWG.

EXISTING SYMBOL LEGEND

SCALE : N.T.S.

SYMBOL LEGEND - MODIFICATION

- DCW--- EXISTING DOMESTIC COLD WATER PIPING TO REMAIN
 ---DCW--- NEW DOMESTIC COLD WATER
 ---DHW--- EXISTING DOMESTIC HOT WATER PIPING TO REMAIN
 ---DHW--- NEW DOMESTIC HOT WATER PIPING
 ---SAN--- EXISTING SANITARY TO REMAIN
 ---SAN--- NEW SANITARY PIPING
 ---V--- EXISTING VENT PIPING TO REMAIN
 ---V--- NEW VENT PIPING
 ---CD--- EXISTING CONDENSATE DRAIN PIPING TO REMAIN
 ---CD--- NEW CONDENSATE DRAIN PIPING
 --- EXISTING PIPING CUT AND NEW SECTION TO THIS POINT
 --- NEW ISOLATION VALVE
 --- NEW CHECK VALVE
 --- NEW MIXING VALVE
 --- EXISTING CAP
 HP XXX EXISTING HEAT PUMP TO REMAIN
 HP XX NEW HEAT PUMP REFER TO HVAC DWG.
 HP XX EXISTING RELOCATED HEAT PUMP AT NEW LOCATION - REFER TO MODIFICATION DWG.

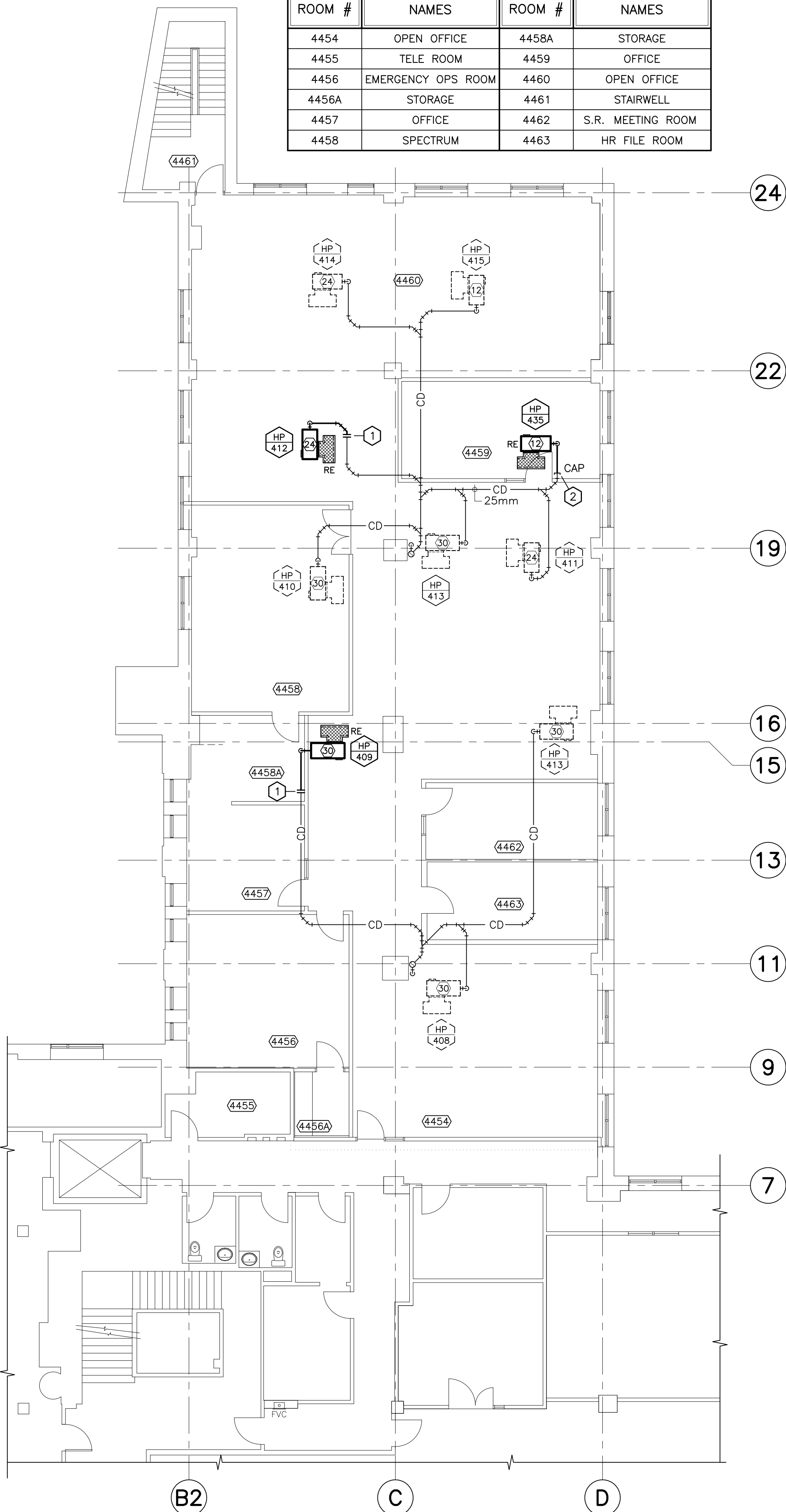
MODIFICATION SYMBOL LEGEND

MODIFICATION ROOM NAME LIST

4TH FLOOR MODIFICATION ROOM LIST			
ROOM #	NAMES	ROOM #	NAMES
4451	KITCHEN	4524D	CORRIDOR
4452	W/R	4524E	OPEN OFFICE
4453	W/R	4524F	CORRIDOR
4454	CORRIDOR	4524G	OPEN OFFICE
4455	TEL DATA	4524H	
4468	LAN	4525	STORAGE CLOSET
4518	ENTRANCE	4526	EQUIP. & MAILING
4519	PRIVATE ROOM	4527	OFFICE
4520	PRIVATE ROOM	4528	HUDDLE ROOM
4521	MEDIUM MEETING RM	4529	HUDDLE ROOM
4522	PERSONAL TOWERS	4530	PRIVATE ROOM
4523	LOUNGE CAFE	4530A	SECURITY CLOSET
4524A	OPEN OFFICE	4531	FILE ROOM
4524B	CORRIDOR	4532	SMALL MEETING ROOM
4524C	CORRIDOR		

MODIFICATION ENLARGEMENT PLAN

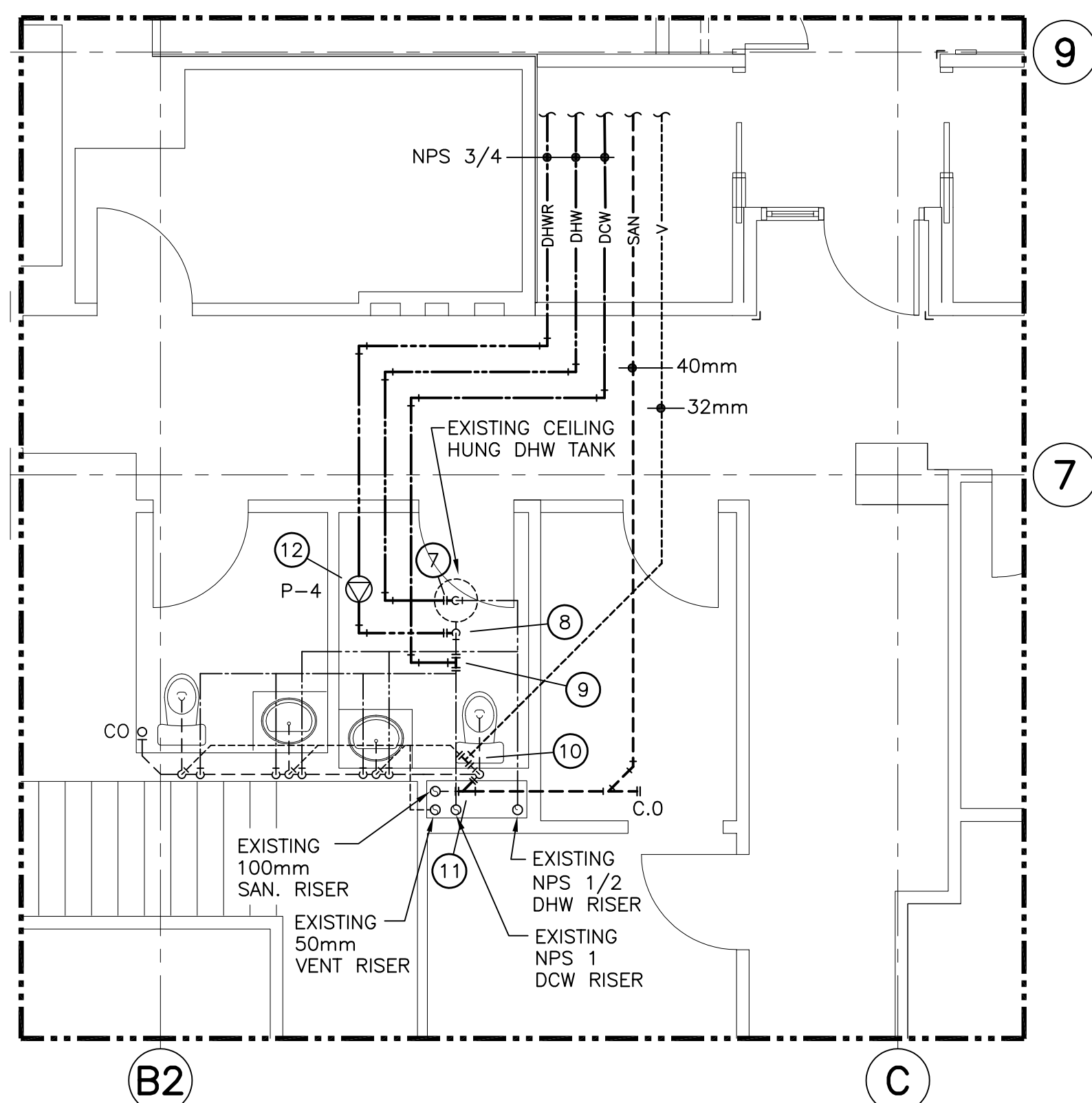
SCALE : 1:50



4TH FLOOR DEMOLITION FLOOR PLAN - PLUMBING

SCALE : 1:100

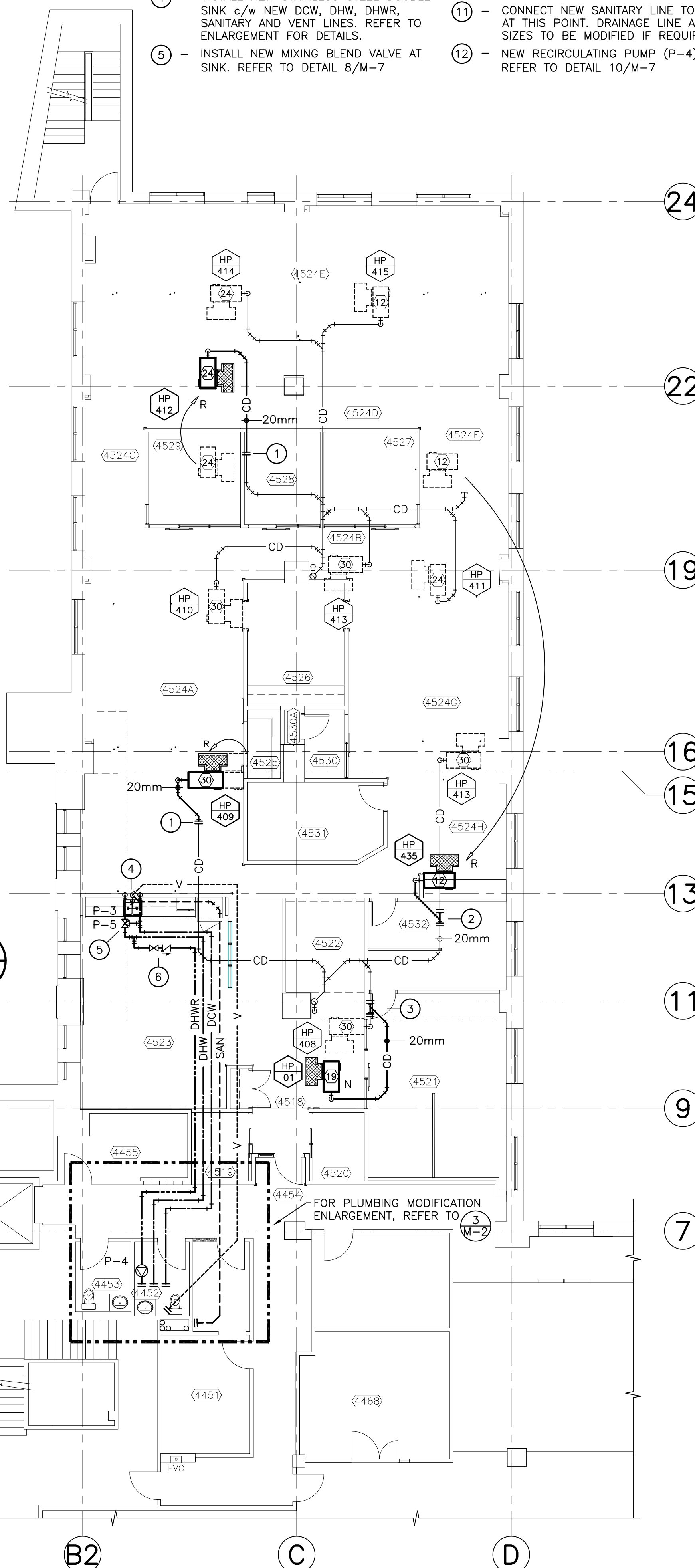
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4TH FLOOR MODIFICATION FLOOR PLAN - PLUMBING

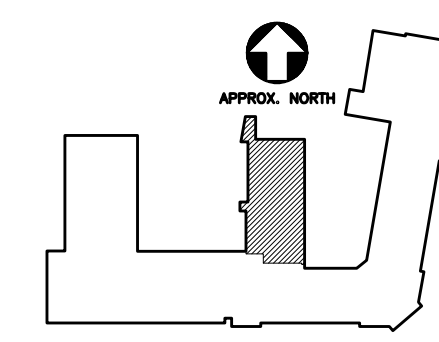
SCALE : 1:100

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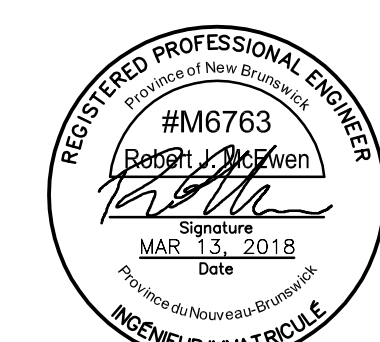


DRAWING REFERENCE NOTES - MODIFICATIONS

- 1 - CONNECT NEW CONDENSATE PIPING TO EXISTING AT THIS POINT. EXTEND NEW PIPING TO RELOCATED HEAT PUMP.
- 2 - CONNECT NEW CONDENSATE PIPING TO MAIN DISTRIBUTION LINE. RUN PIPING TO RELOCATED HEAT PUMP.
- 3 - CONNECT NEW CONDENSATE PIPING TO MAIN DISTRIBUTION LINE. RUN PIPING TO NEW HEAT PUMP.
- 4 - INSTALL NEW STAINLESS STEEL DOUBLE SINK c/w NEW DCW, DHW, DHWR, SANITARY AND VENT LINES. REFER TO ENLARGEMENT FOR DETAILS.
- 5 - INSTALL NEW MIXING BLEND VALVE AT SINK. REFER TO DETAIL 8/M-7
- 6 - INSTALL NEW ISOLATION AND CHECK VALVE ON THE NEW DHWR LINE.
- 7 - CONNECT NEW DHW PIPING TO EXISTING AT THIS POINT
- 8 - CONNECT NEW DHWR PIPING TO EXISTING AT THIS POINT
- 9 - CONNECT NEW DCW PIPING TO EXISTING AT THIS POINT
- 10 - CONNECT NEW VENT LINE TO EXISTING AT THIS POINT
- 11 - CONNECT NEW SANITARY LINE TO EXISTING AT THIS POINT. DRAINAGE LINE AND FITTING SIZES TO BE MODIFIED IF REQUIRED
- 12 - NEW RECIRCULATING PUMP (P-4), REFER TO DETAIL 10/M-7



KEY PLAN



0	ISSUED FOR TENDER	MAR 13 2018
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project project

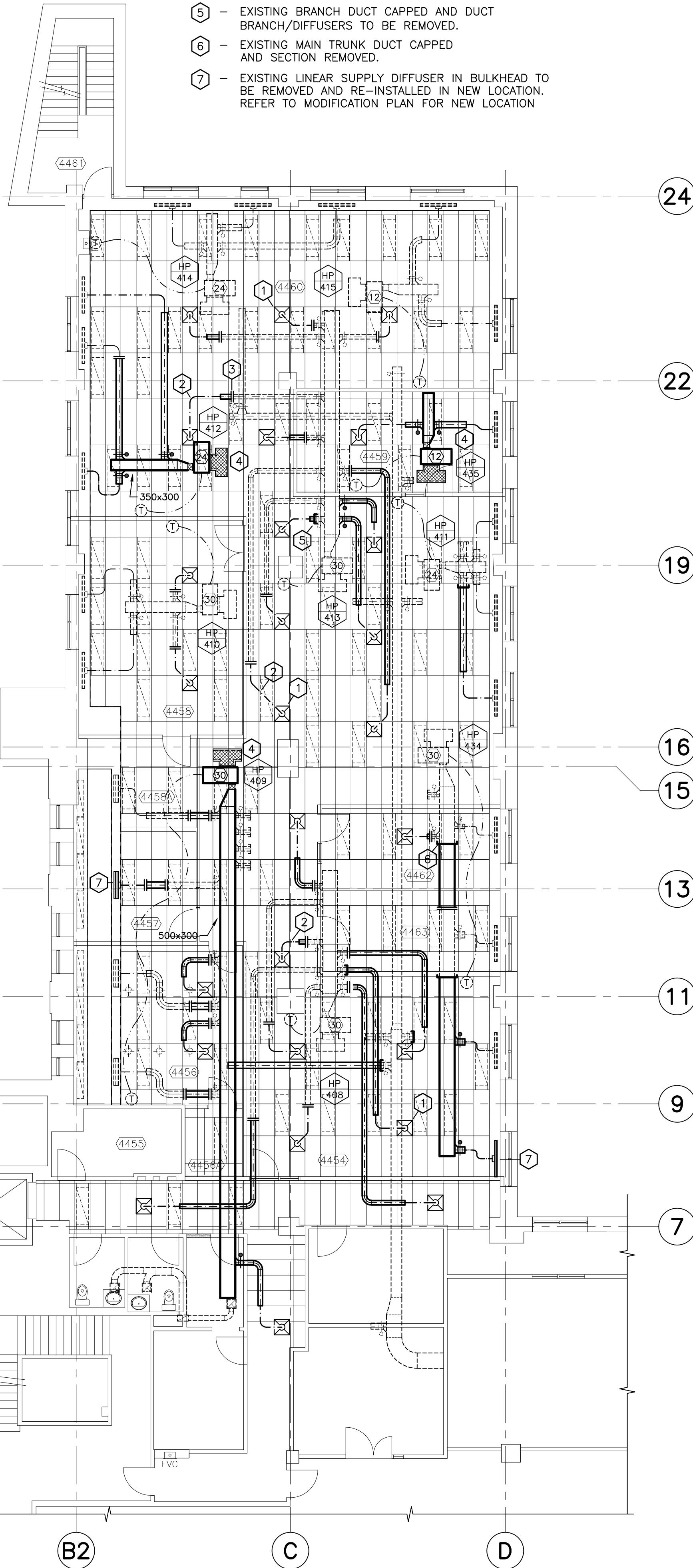
CANADIAN HERITAGE
4TH FLOOR FIT-UP
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drawing design
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FLOOR PLANS
- PLUMBING

designed M.A.M.	conçu
date DECEMBER, 2017	
drawn T.M.	dessiné
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approved R.M.	approuvé
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Tender	Soumission
PWGSC Project Manager	Administrateur de projets TPSGC
project number	no. du projet
R.083347.002	
drawing no.	no. du dessin
M-2	

DRAWING REFERENCE NOTES – DEMOLITION

- EXISTING SUPPLY DIFFUSER TO BE REMOVED. (TYPICAL FOR ALL)
- EXISTING FLEXIBLE DUCTWORK TO BE REMOVED. (TYPICAL FOR ALL)
- EXISTING DUCTWORK CUT AND SECTION TO BE REMOVED
- EXISTING HEAT PUMP TO BE REMOVED AND RE-USED WHERE INDICATED (REFER TO NEW WORK. REMOVE ALL EXISTING HANGING DEVICES. REFER TO DRAWINGS FOR PLUMBING, WATER LOOP PIPING AND CONTROLS MODIFICATIONS.
- EXISTING BRANCH DUCT CAPPED AND DUCT BRANCH/DIFFUSERS TO BE REMOVED.
- EXISTING MAIN TRUNK DUCT CAPPED AND SECTION REMOVED.
- EXISTING LINEAR SUPPLY DIFFUSER IN BULKHEAD TO BE REMOVED AND RE-INSTALLED IN NEW LOCATION. REFER TO MODIFICATION PLAN FOR NEW LOCATION



4th FLOOR DEMOLITION FLOOR PLAN – HVAC

SCALE : 1:100
0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m

4TH FLOOR EXISTING ROOM LIST			
ROOM #	NAMES	ROOM #	NAMES
4454	OPEN OFFICE	4458A	STORAGE
4455	TELE ROOM	4459	OFFICE
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4457	OFFICE	4462	S.R. MEETING ROOM
4458	SPECTRUM	4463	HR FILE ROOM

EXISTING ROOM NAME LIST

SCALE : N.T.S.

SYMBOL LEGEND – DEMOLITION

- EXISTING SUPPLY DIFFUSER TO BE REMOVED
- EXISTING FLEXIBLE DUCTWORK TO BE REMOVED
- EXISTING LINEAR SUPPLY DIFFUSER TO REMAIN
- EXISTING RECTANGULAR DUCTWORK TO BE REMOVED
- EXISTING ROUND DUCTWORK TO BE REMOVED
- EXISTING SPIN COLLAR BRANCH TAKE-OFF c/w BALANCING DAMPER TO BE REMOVED
- EXISTING DUCTWORK TO REMAIN
- EXISTING DUCTWORK CAPPED AND SECTION REMOVED BACK TO THIS POINT AS INDICATED
- EXISTING DUCTWORK CUT AND SECTION REMOVED BACK TO THIS POINT AS INDICATED
- EXISTING HEAT PUMP TO REMAIN
- EXISTING HEAT PUMP TO BE REMOVED AND RELOCATED – REFER TO MODIFICATION DWG.

EXISTING SYMBOL LEGEND

SCALE : N.T.S.

4TH FLOOR MODIFICATION ROOM LIST			
ROOM #	NAMES	ROOM #	NAMES
4451	KITCHEN	4524D	CORRIDOR
4452	W/R	4524E	OPEN OFFICE
4453	W/R	4524F	CORRIDOR
4454	CORRIDOR	4524G	OPEN OFFICE
4455	TEL DATA	4524H	
4468	LAN	4525	STORAGE CLOSET
4518	ENTRANCE	4526	EQUIP. & MAILING
4519	PRIVATE ROOM	4527	OFFICE
4520	PRIVATE ROOM	4528	HUDDLE ROOM
4521	MEDIUM MEETING RM	4529	HUDDLE ROOM
4522	PERSONAL TOWERS	4530	PRIVATE ROOM
4523	LOUNGE CAFE	4530A	SECURITY CLOSET
4524A	OPEN OFFICE	4531	FILE ROOM
4524B	CORRIDOR	4532	SMALL MEETING ROOM
4524C	CORRIDOR		

MODIFICATION ROOM NAME LIST

SCALE : N.T.S.

SYMBOL LEGEND – MODIFICATIONS

- NEW SUPPLY DIFFUSER REFER TO SCHEDULE
- EXISTING LINEAR SUPPLY DIFFUSER TO REMAIN, RE-BALANCE TO AIRFLOW AS INDICATED.
- NEW RECTANGULAR DUCTWORK
- NEW ROUND DUCTWORK
- NEW SPIN COLLAR BRANCH TAKE-OFF c/w BALANCING DAMPER
- EXISTING DUCTWORK TO REMAIN
- EXISTING DUCTWORK CAPPED
- NEW TO EXISTING DUCTWORK CONNECTION AT THIS POINT
- EXISTING HEAT PUMP TO REMAIN
- NEW HEAT PUMP REFER TO HVAC DWG.
- EXISTING HEAT PUMP TO BE RELOCATED. REFER TO HVAC DRAWING

MODIFICATION SYMBOL LEGEND

SCALE : N.T.S.

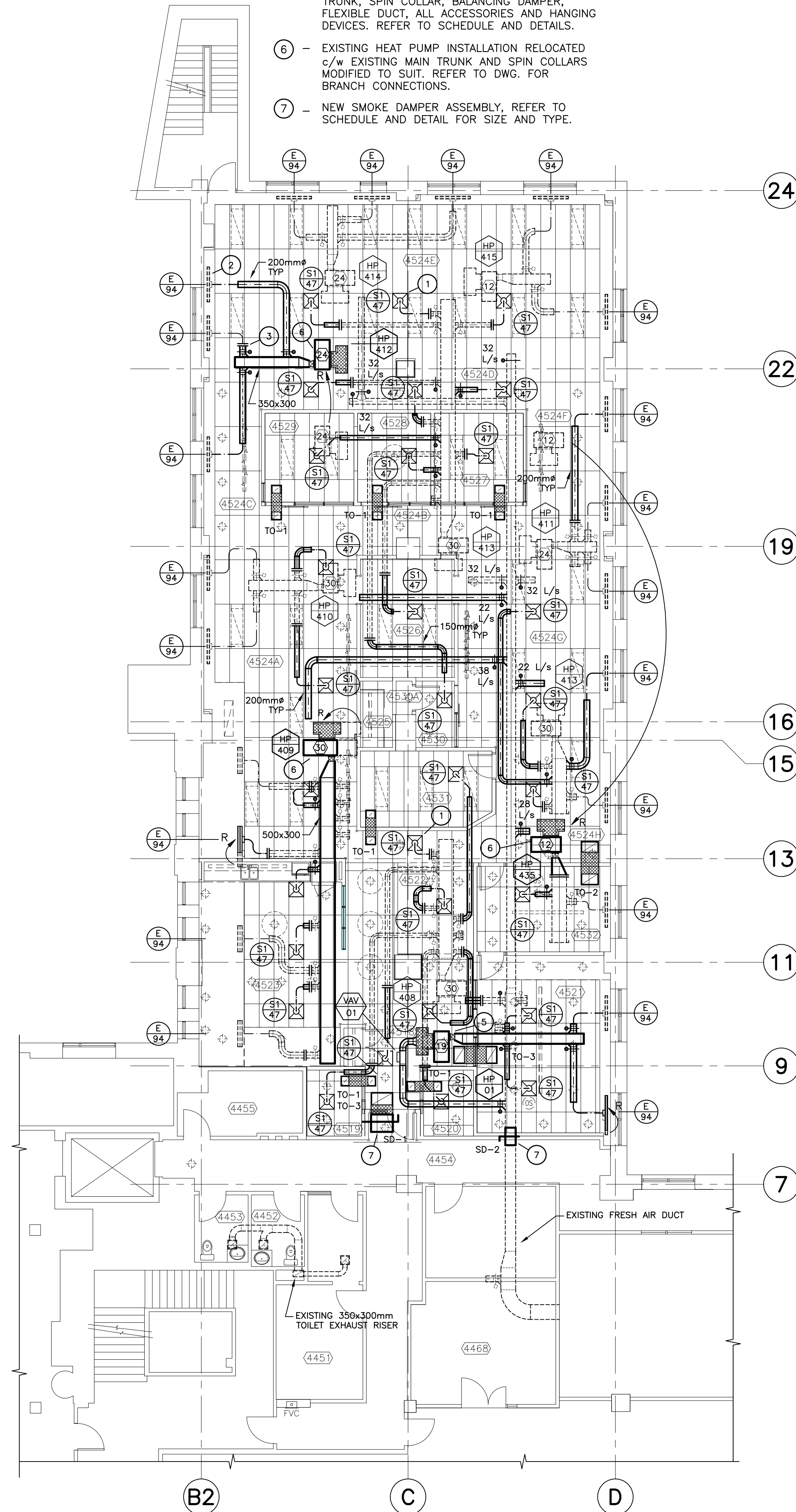
GENERAL DRAWING NOTES:

DUCT CLEANING

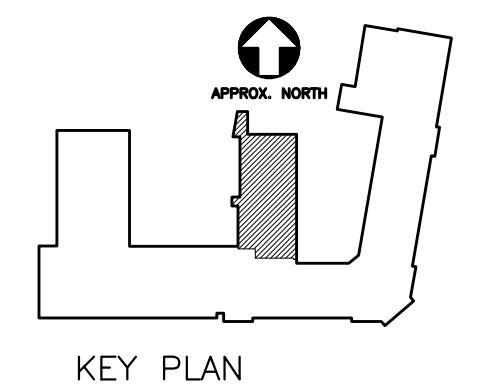
PROVIDE LABOR AND MATERIALS TO THOROUGHLY CLEAN THE INTERIOR OF ALL DUCTWORK, BOTH EXISTING AND NEW WITHIN THE SCOPE OF THIS CONTRACT. REFER TO SPECIFICATIONS, SECTION 25 01 30

DRAWING REFERENCE NOTES – MODIFICATIONS

- NEW SUPPLY DIFFUSER TO BE INSTALLED TYPICAL FOR ALL. REFER TO SCHEDULE FOR TYPE AND SIZE AND AIRFLOW QUANTITIES.
- EXISTING LINEAR SUPPLY DIFFUSER TO REMAIN. REBALANCE TO NEW AIRFLOW QUANTITIES AS INDICATED ON DRAWING
- NEW TO EXISTING DUCTWORK CONNECTION AT THIS POINT, MODIFICATION TO SUIT.
- NEW SPIN COLLAR BRANCH CONNECTION INTO MAIN DISTRIBUTION TRUNK DUCT.
- NEW HEAT PUMP INSTALLATION c/w NEW MAIN TRUNK, SPIN COLLAR, BALANCING DAMPER, FLEXIBLE DUCT, ALL ACCESSORIES AND HANGING DEVICES. REFER TO SCHEDULE AND DETAILS.
- EXISTING HEAT PUMP INSTALLATION RELOCATED c/w EXISTING MAIN TRUNK AND SPIN COLLARS MODIFIED TO SUIT. REFER TO DWG. FOR BRANCH CONNECTIONS.
- NEW SMOKE DAMPER ASSEMBLY. REFER TO SCHEDULE AND DETAIL FOR SIZE AND TYPE.



4th FLOOR MODIFICATION FLOOR PLAN – HVAC

SCALE : 1:100
0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m

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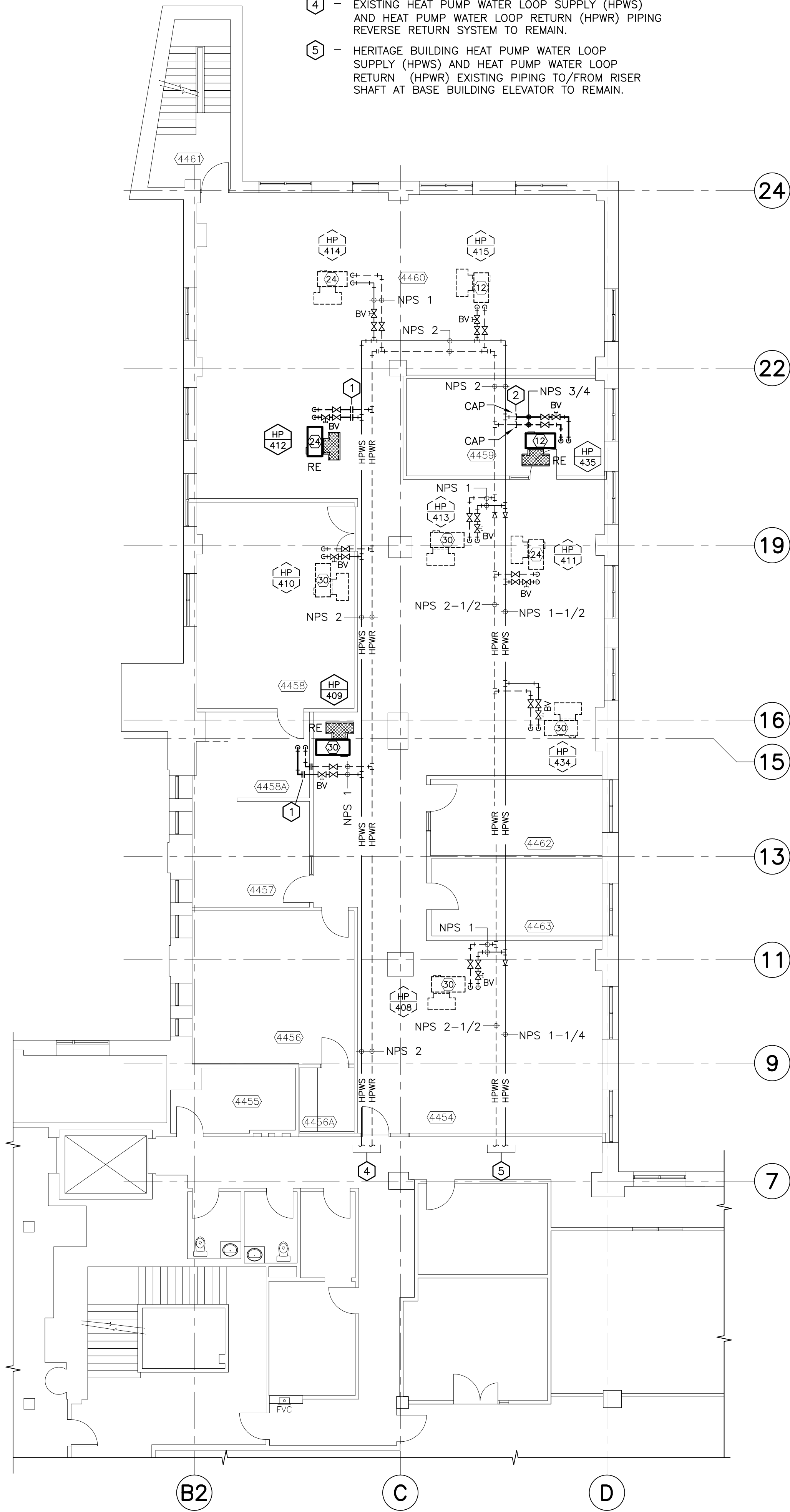
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**4th FLOOR EXISTING
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FLOOR PLANS
– HVAC**

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Tender	Soumission
PWGSC Project Manager	Administrateur de projets TPSGC
project number	no. du projet
R.083347.002	
drawing no.	no. du dessin
M-3	

DRAWING REFERENCE NOTES – DEMOLITION

- 1 - CUT SECTION OF EXISTING HPWS AND HPWR PIPING TO THIS POINT. RE-USE EXISTING FITTING AND VALVES AS REQUIRED. REFER TO MODIFICATION DWG. FOR LOCATION
- 2 - CAP SECTION OF EXISTING HPWS AND HPWR PIPING AT THIS POINT. RE-USE EXISTING FITTING AND VALVES AS REQUIRED. REFER TO MODIFICATION DWG. FOR LOCATION
- 3 - CUT SECTION OF EXISTING HPWS AND HPWR PIPING TO THIS POINT. EXISTING ISOLATION AND BALANCING VALVES ALONG WITH PIPING ACCESSORIES TO REMAIN.
- 4 - EXISTING HEAT PUMP WATER LOOP SUPPLY (HPWS) AND HEAT PUMP WATER LOOP RETURN (HPWR) PIPING REVERSE RETURN SYSTEM TO REMAIN.
- 5 - HERITAGE BUILDING HEAT PUMP WATER LOOP SUPPLY (HPWS) AND HEAT PUMP WATER LOOP RETURN (HPWR) EXISTING PIPING TO/FROM RISER SHAFT AT BASE BUILDING ELEVATOR TO REMAIN.



4TH FLOOR DEMOLITION FLOOR PLAN – WATER LOOP

SCALE : 1:100

0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m

4TH FLOOR EXISTING ROOM LIST			
ROOM #	NAMES	ROOM #	NAMES
4454	OPEN OFFICE	4458A	STORAGE
4455	TELE ROOM	4459	OFFICE
4456	EMERGENCY OPS ROOM	4460	OPEN OFFICE
4456A	STORAGE	4461	STAIRWELL
4457	OFFICE	4462	S.R. MEETING ROOM
4458	SPECTRUM	4463	HR FILE ROOM

EXISTING ROOM NAME LIST

SCALE : N.T.S.

SYMBOL LEGEND – DEMOLITION

- HPWS - EXISTING HEAT PUMP WATER LOOP SUPPLY PIPING TO BE REMOVED
- HPWR - EXISTING HEAT PUMP WATER LOOP RETURN PIPING TO BE REMOVED
- HPWS - EXISTING HEAT PUMP WATER LOOP SUPPLY PIPING TO REMAIN
- HPWR - EXISTING HEAT PUMP WATER LOOP RETURN TO REMAIN
- HPWS - EXISTING PIPING CUT AND SECTION REMOVED TO THIS POINT
- HPWR - EXISTING ISOLATION VALVE TO REMAIN
- HPWS - EXISTING BALANCING VALVE TO REMAIN
- HPWR - EXISTING PIPING REDUCING FITTING
- HPWS - EXISTING PIPING AND ISOLATION VALVE TO BE REMOVED
- HPWR - EXISTING PIPING AND BALANCING VALVE TO BE REMOVED
- HP - EXISTING HEAT PUMP TO REMAIN
- HP - EXISTING HEAT PUMP TO BE REMOVED AND RELOCATED - REFER TO MODIFICATION DWG.

EXISTING SYMBOL LEGEND

SCALE : N.T.S.

4TH FLOOR MODIFICATION ROOM LIST			
ROOM #	NAMES	ROOM #	NAMES
4451	KITCHEN	4524D	CORRIDOR
4452	W/R	4524E	OPEN OFFICE
4453	W/R	4524F	CORRIDOR
4454	CORRIDOR	4524G	OPEN OFFICE
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4521	MEDIUM MEETING RM	4529	HUDDLE ROOM
4522	PERSONAL TOWERS	4530	PRIVATE ROOM
4523	LOUNGE CAFE	4530A	SECURITY CLOSET
4524A	OPEN OFFICE	4531	FILE ROOM
4524B	CORRIDOR	4532	SMALL MEETING ROOM
4524C	CORRIDOR		

MODIFICATION ROOM NAME LIST

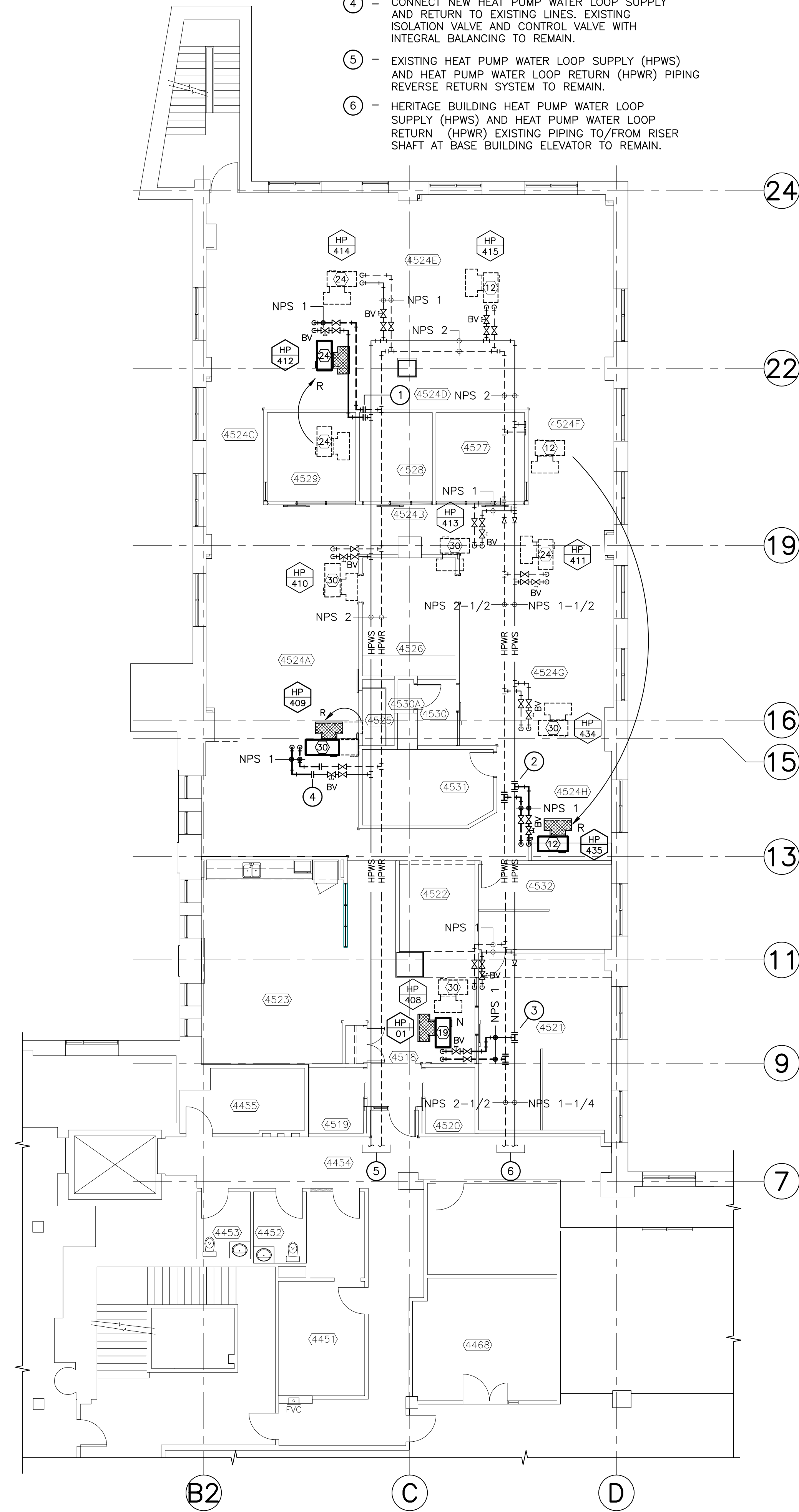
SCALE : N.T.S.

SYMBOL LEGEND – MODIFICATIONS

- HPWS - NEW OR RELOCATED HEAT PUMP WATER LOOP SUPPLY PIPING
- HPWR - NEW OR RELOCATED HEAT PUMP WATER LOOP RETURN PIPING
- HPWS - EXISTING HEAT PUMP WATER LOOP SUPPLY PIPING TO REMAIN
- HPWR - EXISTING HEAT PUMP WATER LOOP RETURN TO REMAIN
- HPWS - NEW TO EXISTING PIPING CONNECTION AT THIS POINT
- HPWR - EXISTING ISOLATION VALVE TO REMAIN
- HPWS - EXISTING BALANCING VALVE TO REMAIN
- HPWR - EXISTING PIPING REDUCING FITTING
- HPWS - NEW OR RELOCATED PIPING AND ISOLATION VALVE
- HPWR - NEW OR RELOCATED PIPING AND BALANCING VALVE
- HPWS - NEW TEE FITTING INSTALLED INTO EXISTING PIPING
- HPWR - NEW OR RELOCATED PIPING ELBOW
- HPWS - NEW OR RELOCATED PIPING ELBOW DOWN
- HP - EXISTING HEAT PUMP TO REMAIN
- HP - NEW HEAT PUMP REFER TO HVAC DWG.
- HP - EXISTING HEAT PUMP TO BE RELOCATED. REFER TO HVAC DRAWING

MODIFICATION SYMBOL LEGEND

SCALE : 1:100



4TH FLOOR MODIFICATION FLOOR PLAN – WATER LOOP

SCALE : 1:100

0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m

DRAWING REFERENCE NOTES – MODIFICATIONS

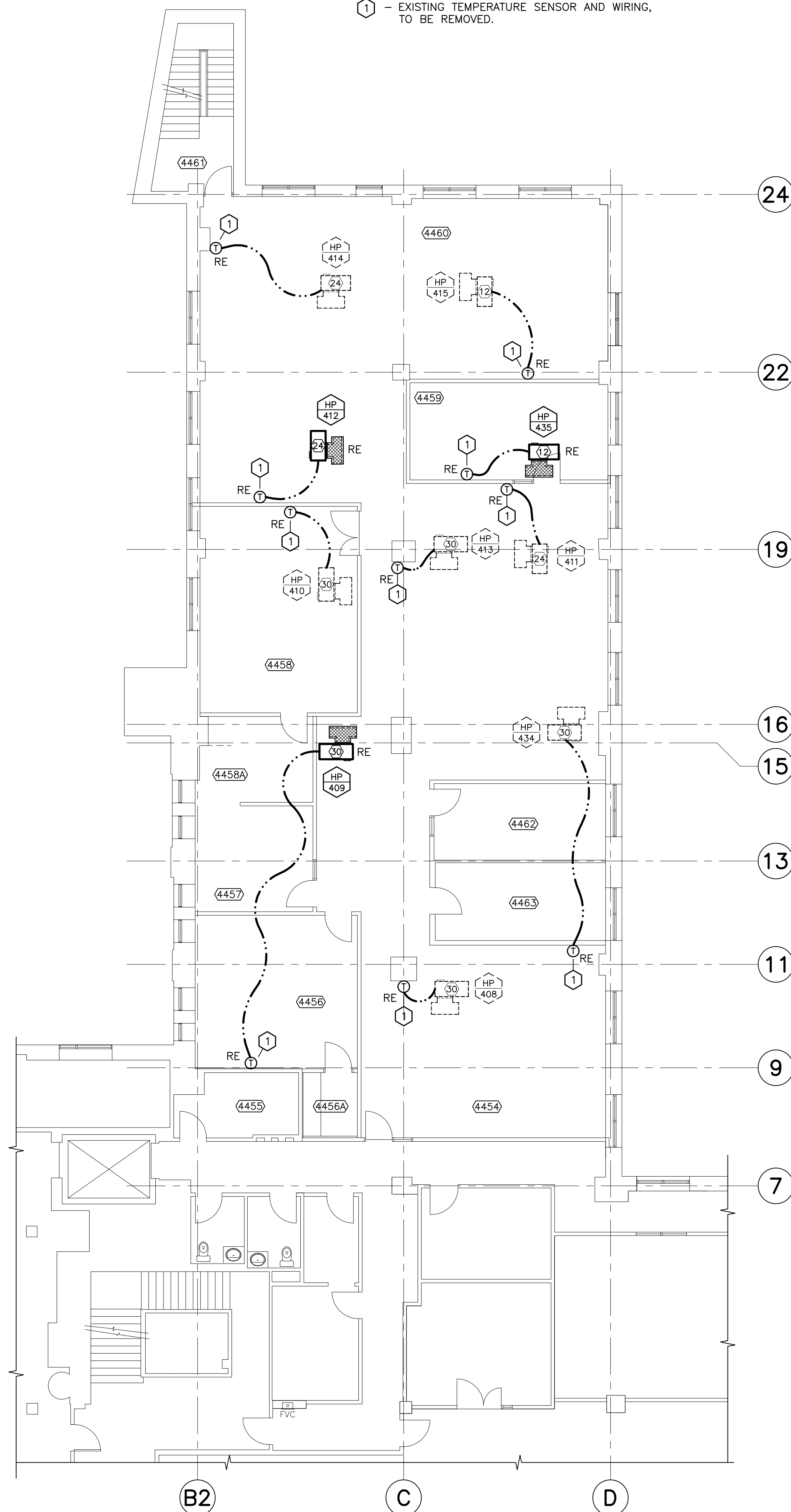
- 1 - CONNECT NEW HEAT PUMP WATER LOOP SUPPLY (HPWS) AND HEAT PUMP WATER LOOP RETURN (HPWR) PIPING AT THIS POINT. EXISTING ISOLATION VALVE AND CONTROL VALVE WITH INTEGRAL BALANCING TO BE RELOCATED.
- 2 - CONNECT NEW HEAT PUMP WATER LOOP SUPPLY AND RETURN TO MAIN DISTRIBUTION LINES. EXISTING ISOLATION VALVE AND CONTROL VALVE WITH INTEGRAL BALANCING TO BE RELOCATED.
- 3 - CONNECT NEW HEAT PUMP WATER LOOP SUPPLY AND RETURN TO MAIN DISTRIBUTION LINES. NEW ISOLATION VALVE AND CONTROL VALVE WITH INTEGRAL BALANCING TO BE INSTALLED.
- 4 - CONNECT NEW HEAT PUMP WATER LOOP SUPPLY AND RETURN TO EXISTING LINES. EXISTING ISOLATION VALVE AND CONTROL VALVE WITH INTEGRAL BALANCING TO REMAIN.
- 5 - EXISTING HEAT PUMP WATER LOOP SUPPLY (HPWS) AND HEAT PUMP WATER LOOP RETURN (HPWR) PIPING REVERSE RETURN SYSTEM TO REMAIN.
- 6 - HERITAGE BUILDING HEAT PUMP WATER LOOP SUPPLY (HPWS) AND HEAT PUMP WATER LOOP RETURN (HPWR) EXISTING PIPING TO/FROM RISER SHAFT AT BASE BUILDING ELEVATOR TO REMAIN.

CANADIAN HERITAGE
4th FLOOR FIT-UP
1045 MAIN STREET
MONCTON,NB

designed	M.A.M.	conç
date	DECEMBER, 2017	
drawn	T.M.	dessin
date	DECEMBER, 2017	
approved	R.M.	approuv
date	DECEMBER, 2017	
Tender	Soumission	
PWSCSC Project Manager	Administrateur de projets	TPSGC
project number	no. du projet	
R.083347.002		
drawing no.	no. du dessin	
M-5		

DRAWING REFERENCE NOTES - DEMOLITION

- ① - EXISTING TEMPERATURE SENSOR AND WIRING TO BE REMOVED.



4TH FLOOR DEMOLITION FLOOR PLAN – CONTROLS (1)





SCALE : 1:100

0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m

EXISTING ROOM NAME LIST (3)

SCALE : N.T.S.

SYMBOL LEGEND – DEMOLITION

- 
 EXISTING TEMPERATURE SENSOR TO BE REMOVED AND RELOCATED – REFER TO MODIFICATION DWG.
- 
 EXISTING CONTROL WIRING TO BE REMOVED
- 
 EXISTING HEAT PUMP TO REMAIN
- 
 EXISTING HEAT PUMP TO BE REMOVED AND RELOCATED – REFER TO MODIFICATION DWG.

EXISTING SYMBOL LEGEND 4

SCALE : N.T.S.

4TH FLOOR MODIFICATION ROOM LIST			
ROOM #	NAMES	ROOM #	NAMES
4451	KITCHEN	4524D	CORRIDOR
4452	W/R	4524E	OPEN OFFICE
4453	W/R	4524F	CORRIDOR
4454	CORRIDOR	4524G	OPEN OFFICE
4455	TEL DATA	4524H	
4468	LAN	4525	STORAGE CLOSET
4518	ENTRANCE	4526	EQUIP. & MAILING
4519	PRIVATE ROOM	4527	OFFICE
4520	PRIVATE ROOM	4528	HUDDLE ROOM
4521	MEDIUM MEETING RM	4529	HUDDLE ROOM
4522	PERSONAL TOWERS	4530	PRIVATE ROOM
4523	LOUNGE CAFE	4530A	SECURITY CLOSET
4524A	OPEN OFFICE	4531	FILE ROOM
4524B	CORRIDOR	4532	SMALL MEETING ROOM
4524C	CORRIDOR		

MODIFICATION ROOM NAME LIST (5)

SCALE : N.T.S.

SYMBOL LEGEND – MODIFICATIONS

-
- NEW TEMPERATURE SENSOR
 NEW TEMPERATURE SENSOR – READ ONLY
 NEW CONTROL WIRING
 EXISTING HEAT PUMP TO REMAIN
 NEW HEAT PUMP REFER TO HVAC DWG.
 EXISTING HEAT PUMP TO BE RELOCATED.
 NEW VARIABLE AIR VOLUME BOX – REFER TO HVAC DRAWING FOR DETAILS

MODIFICATION SYMBOL LEGEND (6)

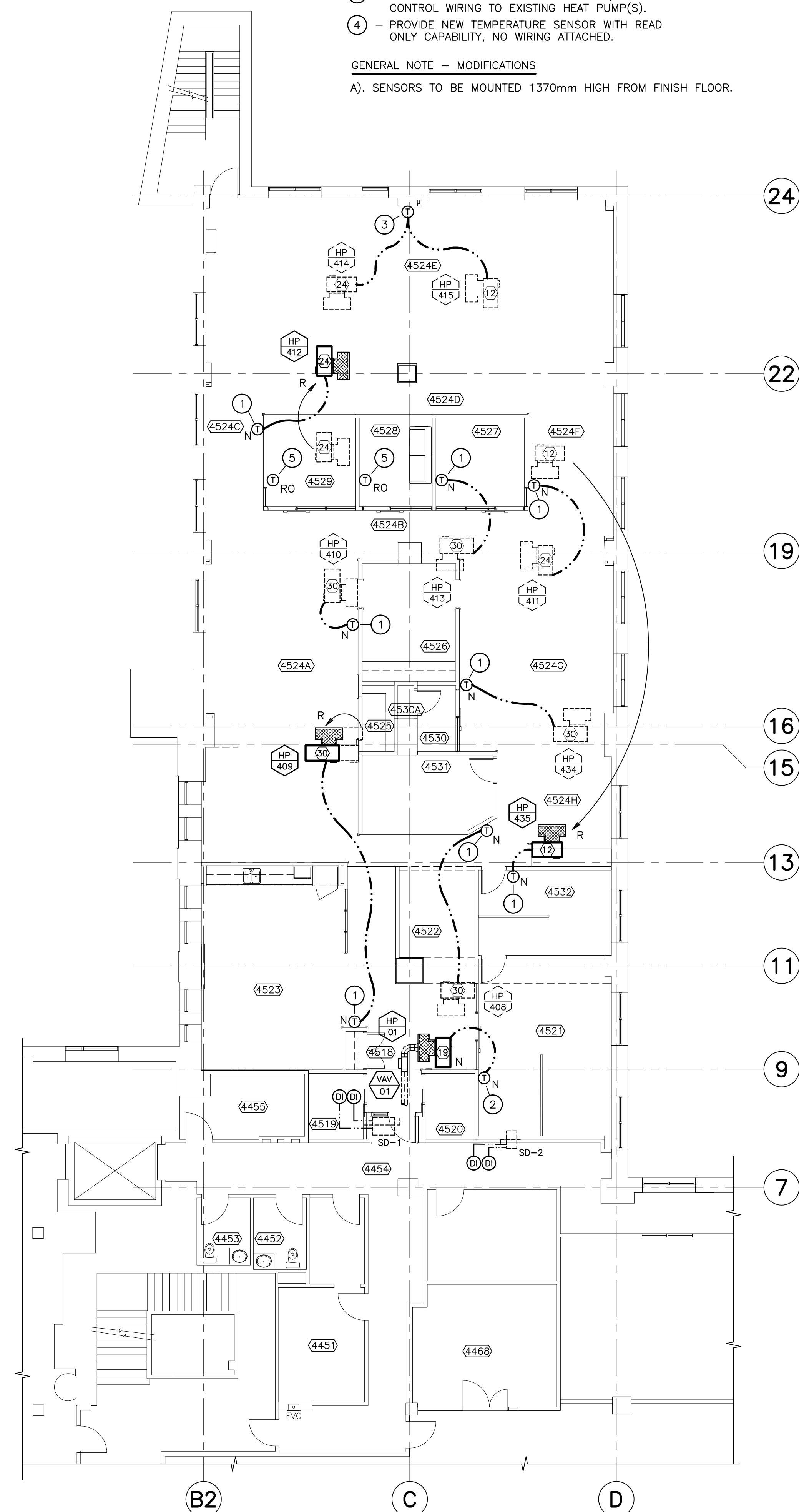
SCALE : N.T.S

DRAWING REFERENCE NOTES - MODIFICATIONS

- ① - PROVIDE NEW TEMPERATURE SENSOR TO NEW POSITION. COMPLETE WITH NEW CONTROL WIRING TO EXISTING HEAT PUMP.
- ② - PROVIDE NEW TEMPERATURE SENSOR COMPLETE WITH CONTROL WIRING TO NEW HEAT PUMP.
- ③ - PROVIDE NEW TEMPERATURE SENSOR c/w INSULATED BASE AND CONTROL WIRING TO EXISTING HEAT PUMP(S).
- ④ - PROVIDE NEW TEMPERATURE SENSOR WITH READ ONLY CAPABILITY. NO WIRING ATTACHED.

GENERAL NOTE – MODIFICATIONS

A). SENSORS TO BE MOUNTED 1370mm HIGH FROM FINISH FLOOR.



4TH FLOOR MODIFICATION FLOOR PLAN – CONTROLS (2)

SCALE : 1:100

HEAT PUMP SCHEDULE

TAG	HEAT PUMP MAKE / MODEL	SIZE	ROOM(S) SERVED	DIMS (mm) LxWxH	AIR FLOW (L/s)	WATER (L/s)	HEATING (kW)	COOLING (kW)	FRESH AIR L/s	F.A. CONN. SIZE (mm)	PIPE CONN.	DRAIN	HOSE SIZE	ELECTRICAL VOLTAGE (V/Hz/Ø)	MCA	ACCESSORIES
HP-01	DAIKIN HORIZONTAL WSHP MODEL ENFINITY CCH	019	MEDIUM MEETING ROOM 4459	1050x508x483	ECM MOTOR 297 L/s	0.28 L/s	6.42 kW @ 15.5°C EWT	5.68 kW @ 32.2°C EWT	VARIES	200mm	NPS 3/4	19mm	19mm	208/230/1/60	9.8 A	FLEXIBLE HOSE KIT, CONDENSATE DRAIN, CONTROL VALVE

HEAT PUMP SCHEDULE

SCALE : N.T.S.

1
M-6

PLUMBING FIXTURE SCHEDULE

FIXTURE			TRIM				PIPING CONNECTIONS				
TAG	DESCRIPTION	MANUFACTURER/MODEL	FAUCET	SUPPLY	WASTE	TRAP	HWS	CWS	WASTE	VENT	NOTES
P-3	STAINLESS STEEL DOUBLE BOWL SINK	FRANKE ALBD 6405-1 FAUCET LEDGE 794x406x127, DEEP 20GA. TYPE 302, 18-8 SS UNDERCOATED	DELTA ALLORA MODEL 989-DST	MCGUIRE 2167	INCLUDED	MCGUIRE 8912	NPS 1/2	NPS 1/2	40mm	32mm	WASTE LOCATIONS LR,RR, LAWLER 870-86821 MIXING VALVE AT DHWT SET DHW @45°C
P-4	DOMESTIC HOT WATER RECIRCULATING PUMP	ASTRO MODEL 30B					NPS 1/2	NPS 1/2			90W 120/1/60
P-5	MIXING VALVE	LAWLER SERIES 870-86821									INSTALL ON EXISTING LAVATORIES SET DHWT @ 43°C

PLUMBING FIXTURE SCHEDULE

SCALE : N.T.S.

2
M-6

GRILLE SCHEDULE

SYMBOL	MODEL & TYPE	FACE SIZE (mm)	NECK SIZE (mm)	AIR FLOW (L/s)	FINISH	REMARKS
S1	CEILING SUPPLY DIFFUSER PRICE MODEL SPD	500x500mm	150mm Ø	0-57 L/s	B12	FRAME STYLE TYPE 31 - TBAR LAY-IN
E	EXISTING TO REMAIN	-	-	-	-	RE-BALANCE TO L/s AIRFLOWS AS INDICATED

INDICATES GRILLE NUMBER
INDICATES L/S QUANTITY

DIFFUSER AND GRILLE

SCALE : N.T.S.

3
M-6

SMOKE DAMPER SCHEDULE

TAG	MODEL	DIMENSIONS	DRIVE ARRANGEMENT	ACTUATOR - OPTIONS	ACCESSORIES	NOTES
SD-1	GREENHECK SMD-301	750mmWx450mmHx600mmL	MLS-11-FER-1	BELIMO FSNF-120S	120V OCI SWITCH	SMOKE DETECTOR D4120 120V
SD-2	GREENHECK SMD-301	350mmWx250mmHx600mmL	MLS-11-FER-1	BELIMO FSNF-120S	120V OCI SWITCH	SMOKE DETECTOR D4120 120V

NOTES: 1 - ALL COMPONENTS FACTORY ASSEMBLED AND CERTIFIED TO ULC 555S STANDARDS

SMOKE DAMPER SCHEDULE

SCALE : N.T.S.

4
M-6

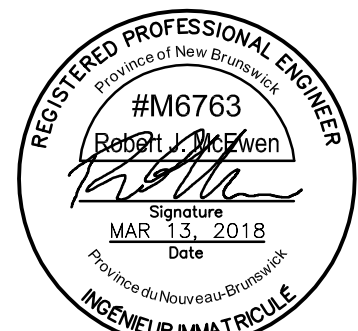
VARIABLE AIR VOLUME BOX SCHEDULE

TAG	UNIT SIZE	INLET SIZE	RANGE L/s min. max.	MODEL	REMARKS
VAV-01	8	200mmØ	30 - 100	E.H. PRICE RDS-5000	DUCT INLET AND OUTLET SHALL BE 200mm IN DIAMETER

VAV BOX SCHEDULE

SCALE : N.T.S.

5
M-6



0 ISSUED FOR TENDER MAR 13 2018

revisions date

project projet

CANADIAN HERITAGE
4TH FLOOR FIT-UP
1045 MAIN STREET
MONCTON,NB

drawing dessin

4th FLOOR EXISTING
& MODIFICATIONS
SCHEDULES
- MECHANICAL

designed M.A.M. conçu

date DECEMBER, 2017

drawn T.M. dessiné

date DECEMBER, 2017

approved R.M. approuvé

date DECEMBER, 2017

Tender Soumission

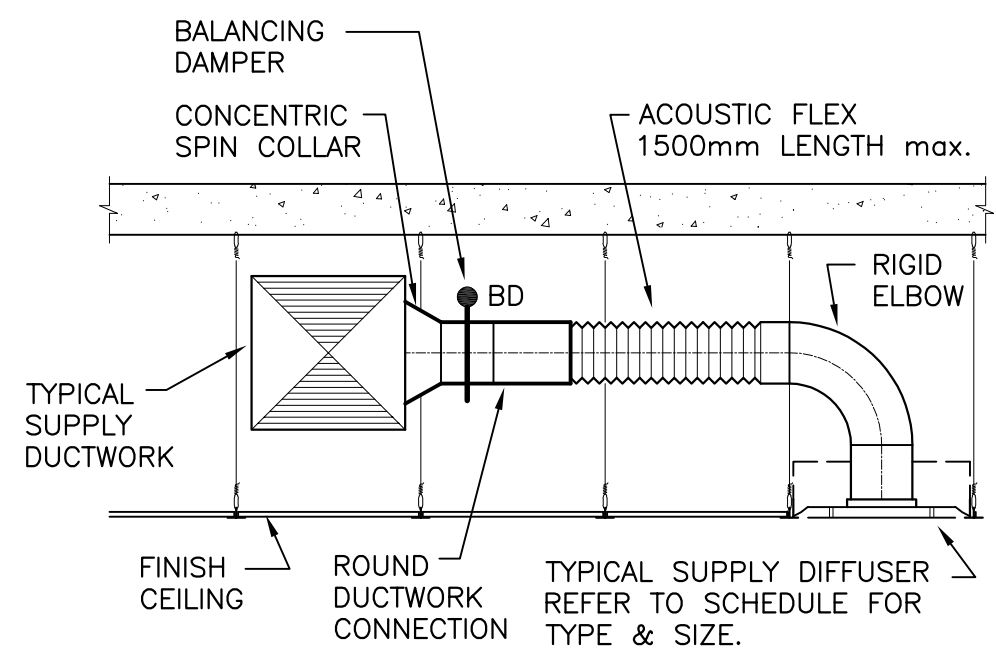
PWGSC Project Manager Administrateur de projets TPSC

project number no. du projet

R.083347.002

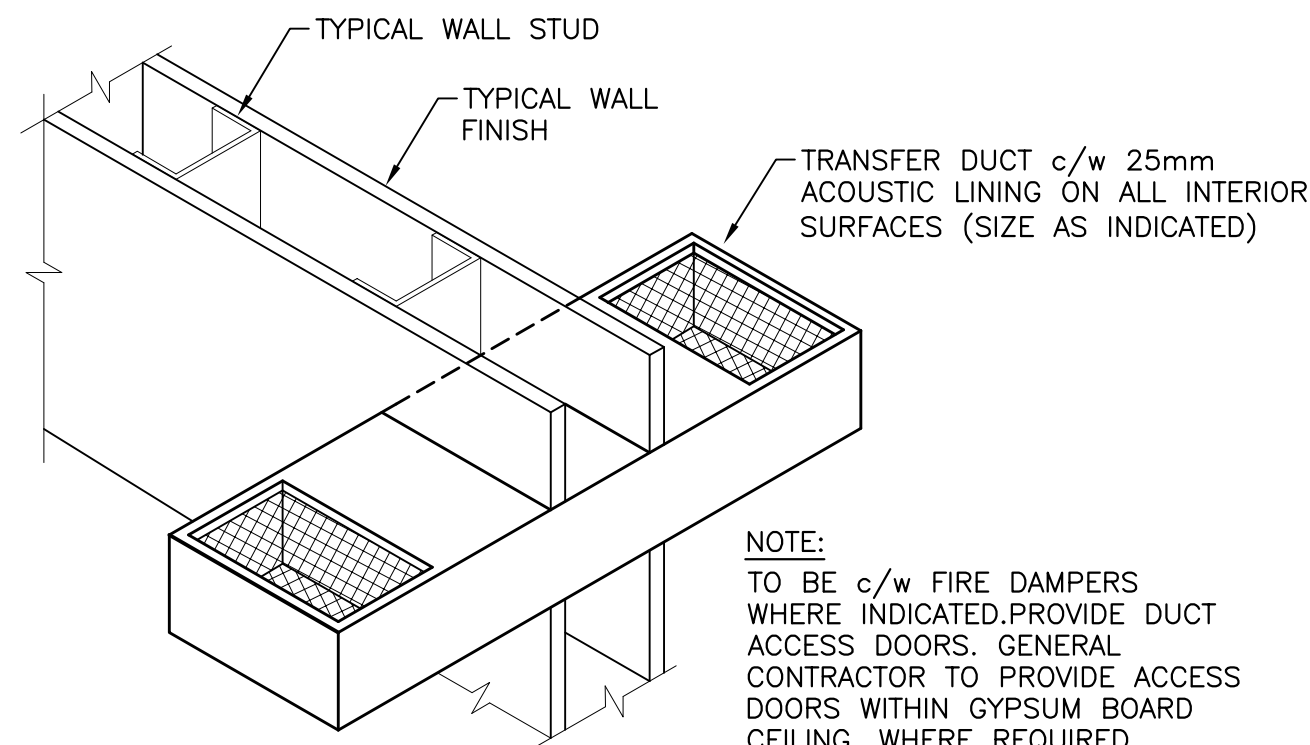
drawing no. no. du dessin

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SUPPLY DIFFUSER DETAIL

SCALE : N.T.S.

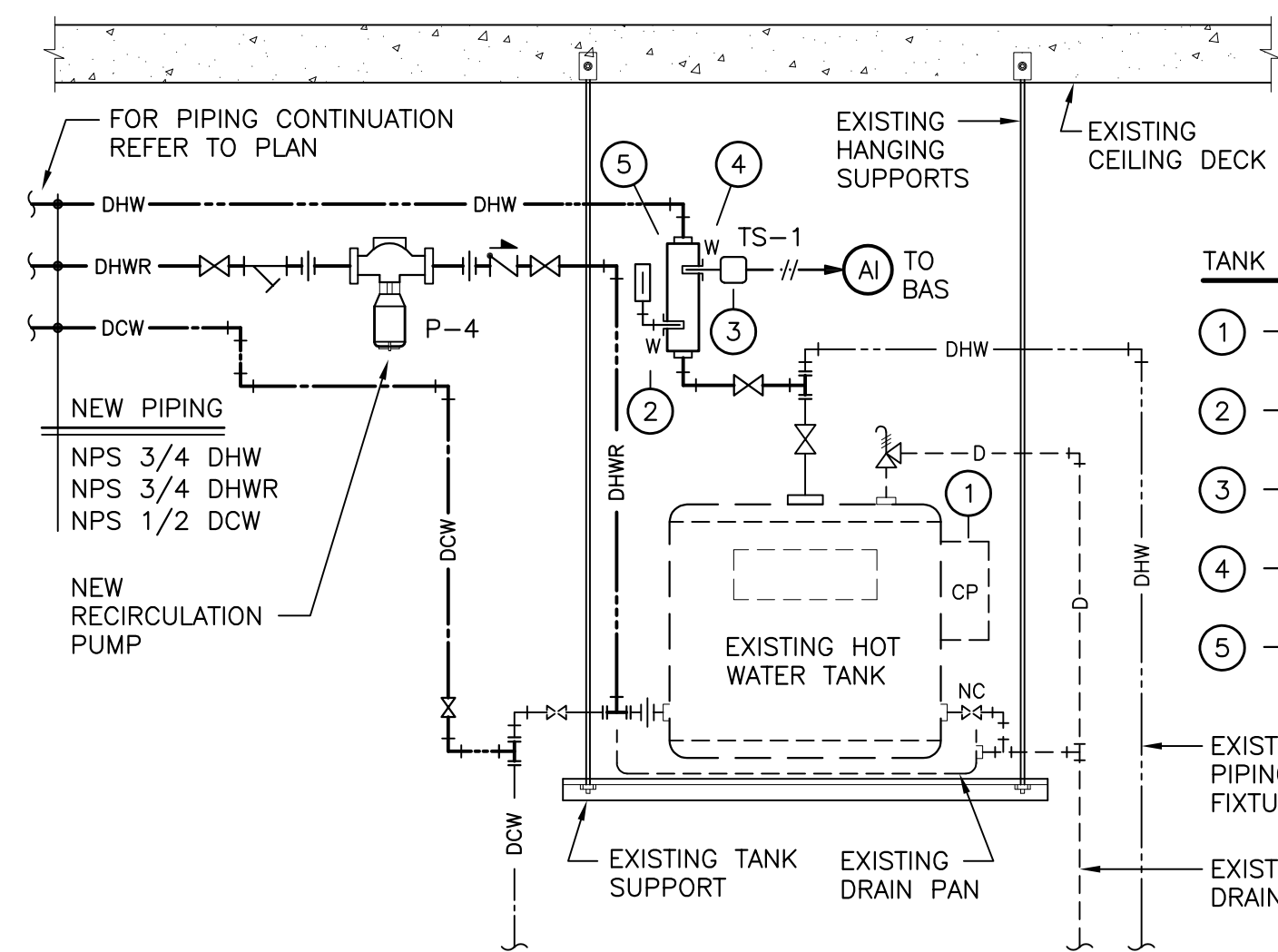


TRANSFER OPENING SCHEDULE

TAG	EXTERIOR DIMENSIONS (WxHxL) mm	INTERIOR AND OPENING (WxHxL) mm	L/S RANGE	REMARKS
TO-1	350x300x1200	300x250x1200	0-120	TO BE c/w 25mm OF ACOUSTIC INSULATION
TO-2	600x400x1500	550x350x1500	121-280	TO BE c/w 25mm OF ACOUSTIC INSULATION
TO-3	750x450x1500	700x400x1500	281-614	TO BE c/w 25mm OF ACOUSTIC INSULATION

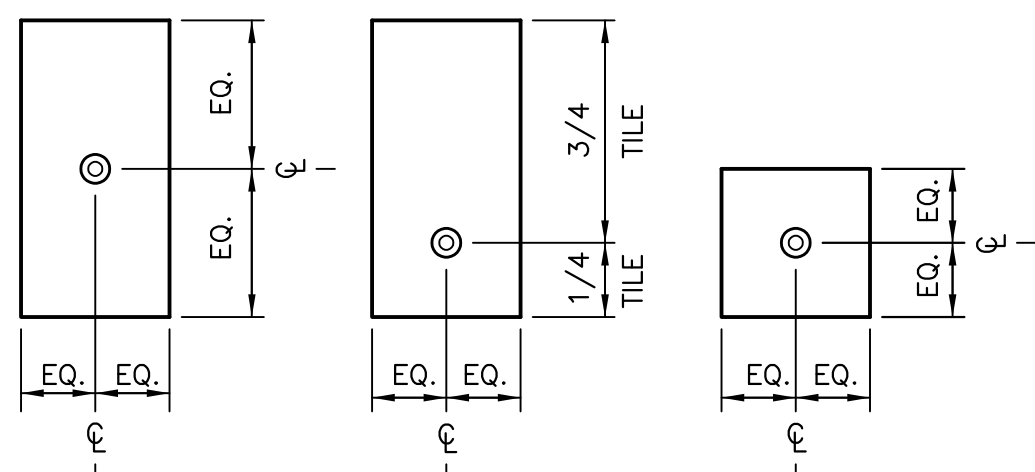
RETURN AIR TRANSFER DUCT DETAIL

SCALE : N.T.S.



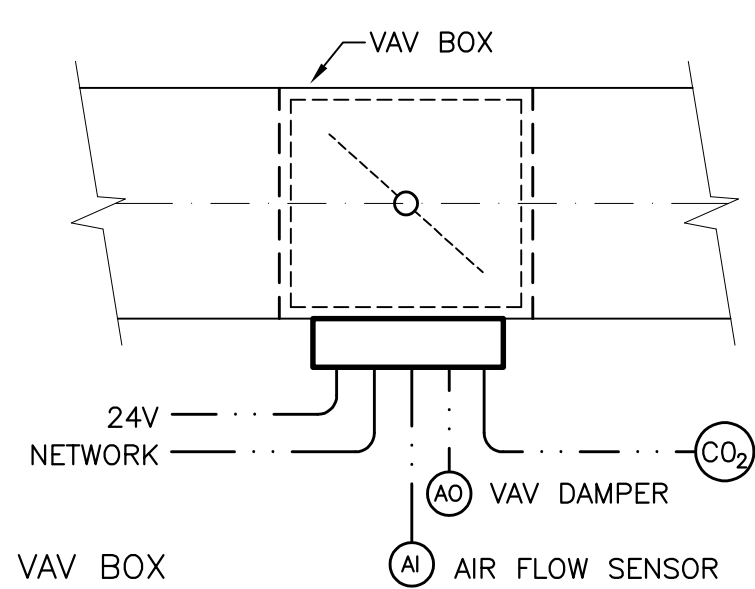
CEILING SUSPENDED DHWT DETAIL

SCALE : N.T.S.



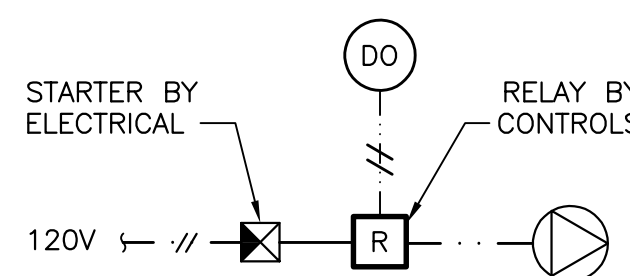
ACOUSTIC TILE PENDENT LOCATION DETAIL

SCALE : N.T.S.



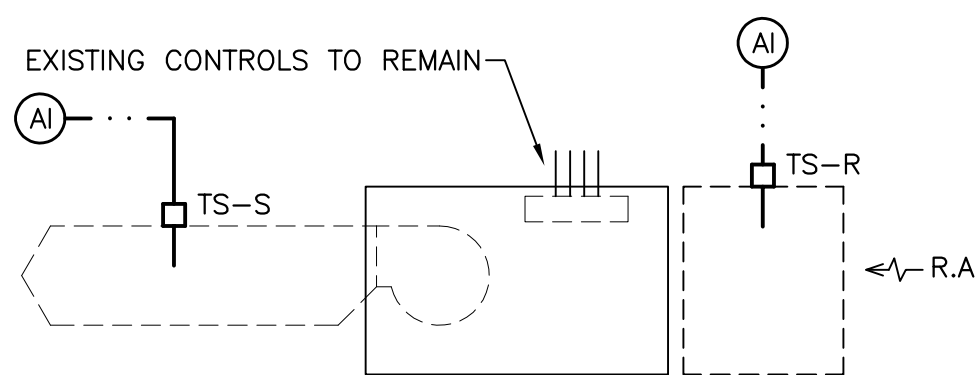
VAV BOX CONTROL DETAIL

SCALE : N.T.S.



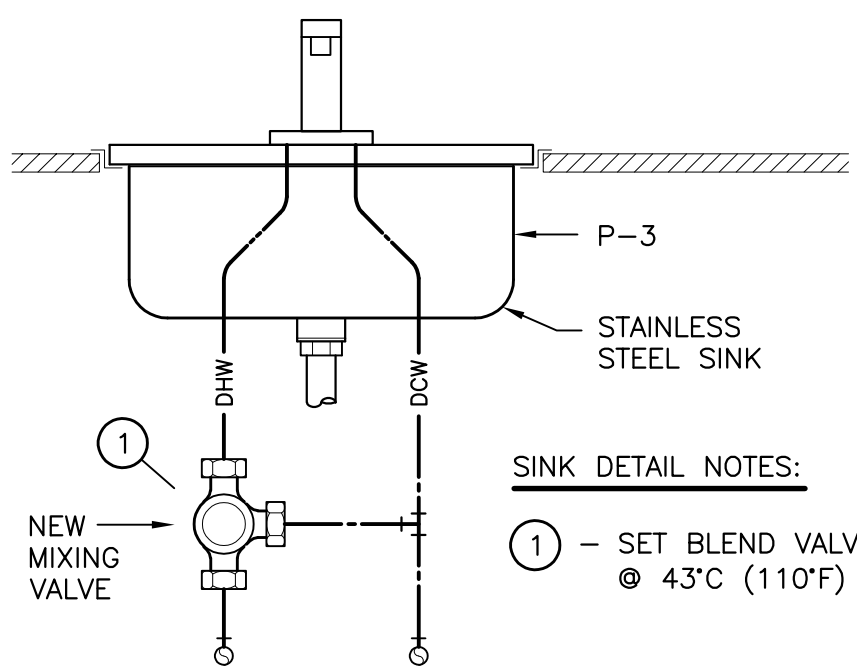
P-4 PUMP CONTROL

SCALE : N.T.S.



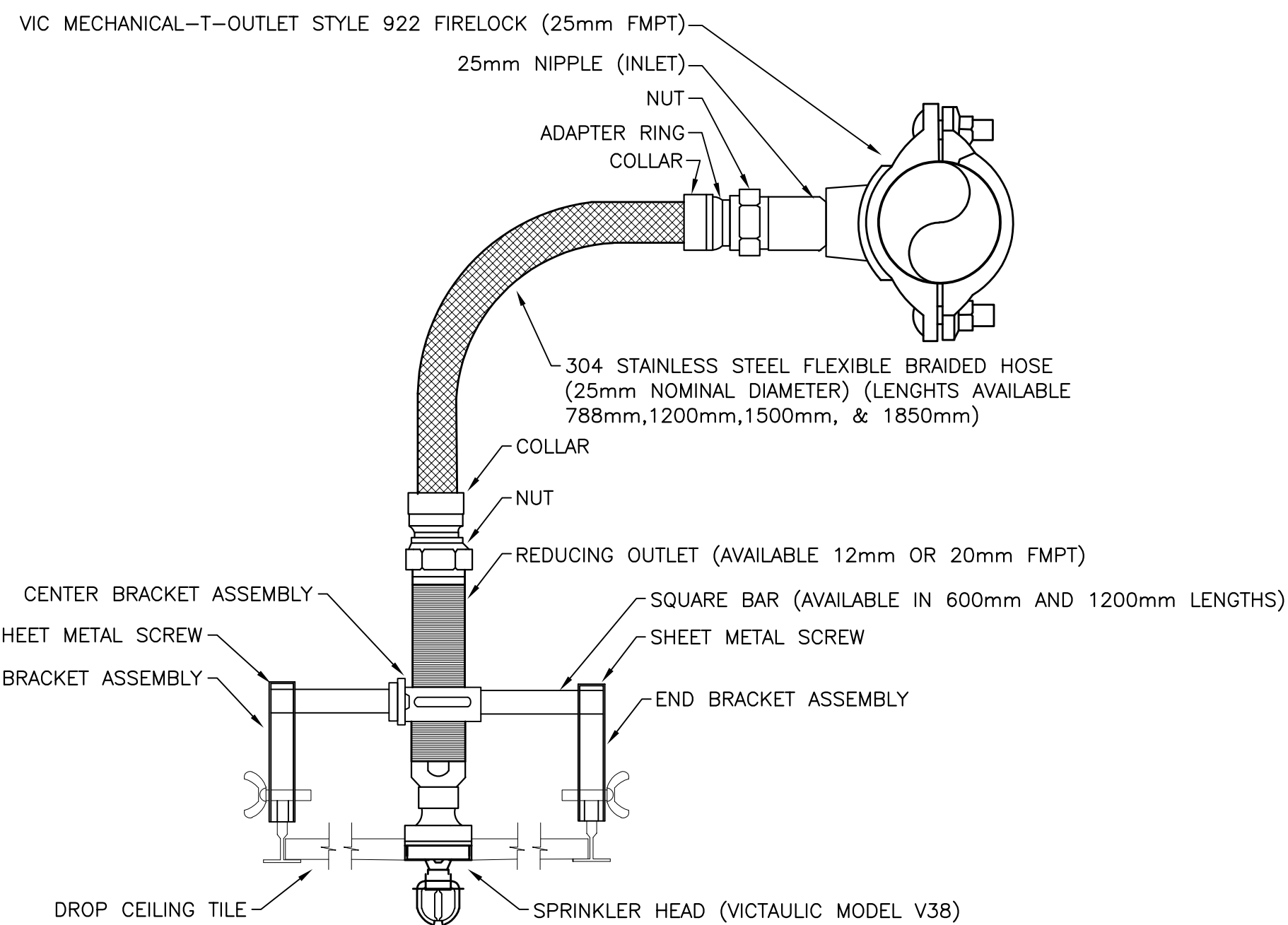
HEAT PUMP CONTROLS EXISTING UNITS

SCALE : N.T.S.



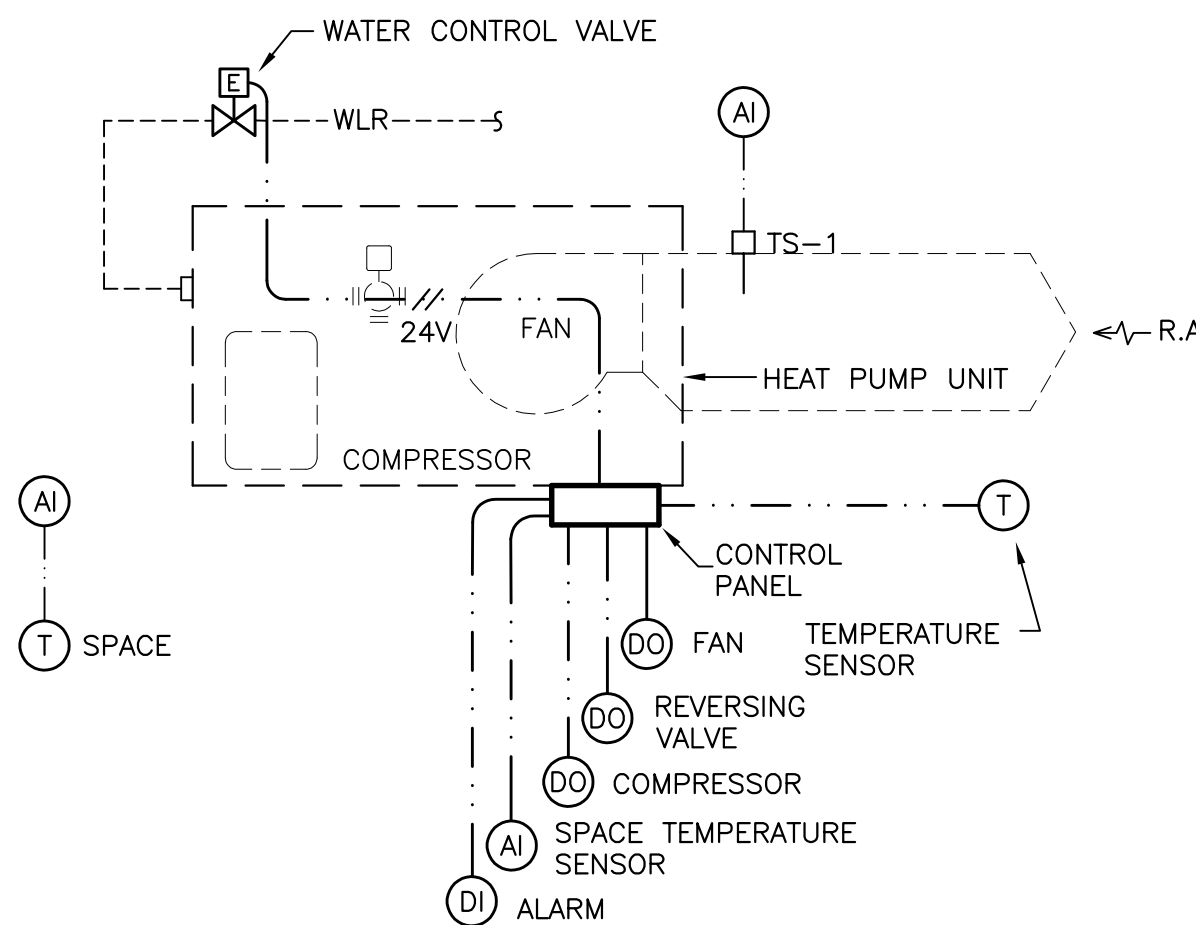
MIXING VALVE DETAIL

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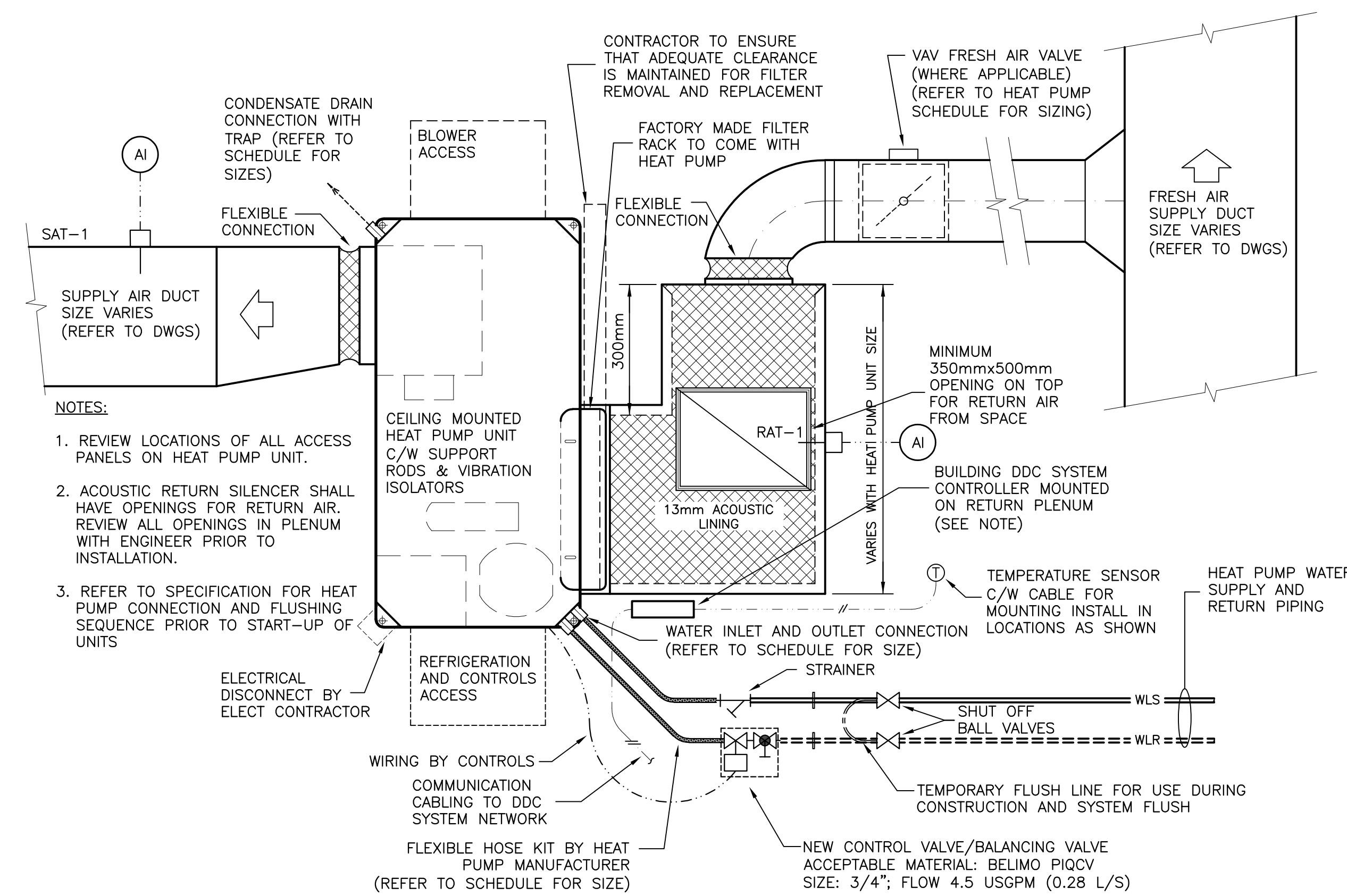
FLEXIBLE HOSE SPRINKLER ASSEMBLY DETAIL

SCALE : N.T.S.



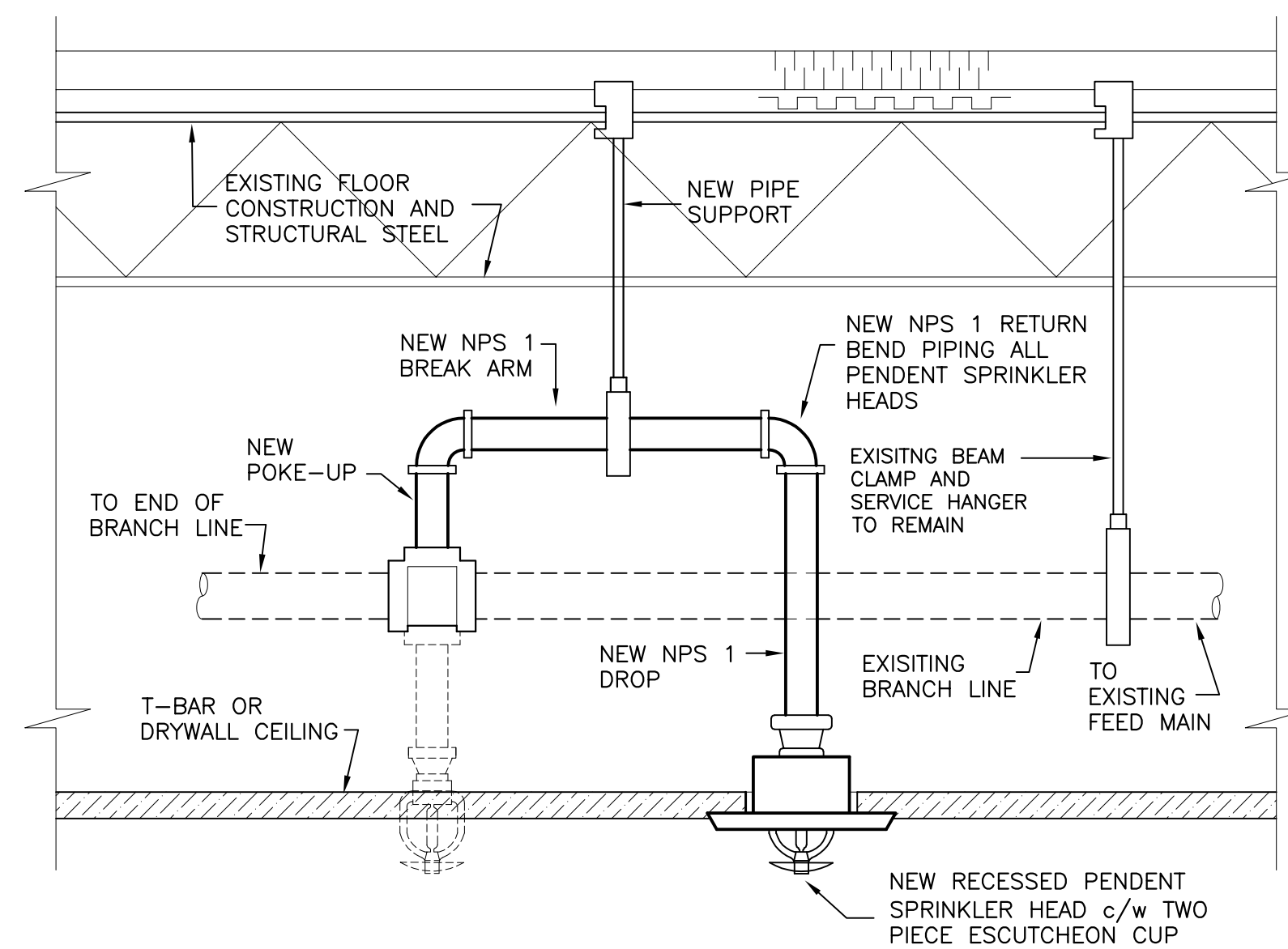
HEAT PUMP CONTROLS NEW UNIT

SCALE : N.T.S.



NEW HEAT PUMP DETAIL

SCALE : N.T.S.



SPRINKLER HEAD RETURN BEND DETAIL

SCALE : N.T.S.