



PLUMBING FIXTURE SCHEDULE

Item	Type	Connection Sizes					Acceptable Manufacturer	Fixture Description	Acceptable Manufacturer	Trim Description	Acceptable Manufacturer	Accessory Description
		HW	CW	TW	Drain	Vent						
WC-1	WATER CLOSET FLUSH VALVE		25ø			40ø	AMERICAN STANDARD MADERA 2234.001 KOHLER WELLCOME K-4350 MANSFIELD BALTIC 1311NS ZURN Z5655-BWL	DELTA 81T201-5 ZURN Z6000AV-WS1 SLOAN 111-1.6	EXPOSED, POLISHED CHROME, EXTERNALLY ADJUSTABLE, DIAPHRAGM TYPE FLUSH VALVE WITH 25 mm (1") SCREWDRIVER ANGLE STOP, OSCILLATING HANDLE, FLUSH CONNECTION AND COUPLING FOR 40 mm (1 1/2") TOP SPUD, WALL AND SPUD ESCUTCHEONS, SEAT BUMPER AND VACUUM BREAKER. FLUSH CYCLE SET FOR 6 litres (1.5 gal) PER FLUSH	SEAT: BEMIS 2155SST CENTOCO AM500STSCSS	SEAT: WHITE, ELONGATED, OPEN FRONT, LESS COVER, MOLDED SOLID ANTIMICROBIAL PLASTIC, STAINLESS STEEL CHECK HINGES, STAINLESS STEEL OR SOLID BRASS INSERT POST.	
WC-2	BARRIER FREE WATER CLOSET FLUSH VALVE, 16" HIGH		25ø			40ø	AMERICAN STANDARD MADERA 3043.001 KOHLER HIGHCREST K-4302 MANSFIELD ADRIATIC 1319 ZURN 5665-BWL	DELTA 81T201-5 ZURN Z6000AV-WS1 SLOAN 111-1.6	BARRIER FREE, EXPOSED, POLISHED CHROME, EXTERNALLY ADJUSTABLE, DIAPHRAGM TYPE FLUSH VALVE WITH 25 mm (1") SCREWDRIVER ANGLE STOP, OSCILLATING HANDLE, FLUSH CONNECTION AND COUPLING FOR 40 mm (1 1/2") TOP SPUD, WALL AND SPUD ESCUTCHEONS, SEAT BUMPER AND VACUUM BREAKER. FLUSH CYCLE SET FOR 6 litres (1.5 gal) PER FLUSH	SEAT: BEMIS 7850TDG CENTOCO AM820STS	SEAT: WHITE, ELONGATED, OPEN FRONT WITH COVER, MOLDED SOLID ANTIMICROBIAL PLASTIC, STAINLESS STEEL CHECK HINGES, STAINLESS STEEL OR SOLID BRASS INSERT POST.	
U-1	URINAL FLUSH VALVE		20ø			50ø	AMERICAN STANDARD WASHBROOK 6590.005 KOHLER BARDON K-4904-ET ZURN Z5750	DELTA 81T231 ZURN Z600SAV-EWS SLOAN 186 HEJ-0.5	CHROME PLATED, NON-HOLD-OPEN, EXPOSED, DIAPHRAGM, EXTERNALLY ADJUSTABLE, WITH NPS 20 MM (3/4") ANGLE SCREWDRIVER STOP, OSCILLATING HANDLE, WALL AND SPUD FLANGE, VACUUM BREAKER. ULTRA LOW FLUSH CYCLE: SET TO 3.8 LITRES (1.0 GAL)/FLUSH.			
WF-1	B.F. WASH FOUNTAIN	15ø	15ø			40ø	32ø	BRADLEY QUAD FOUNT MF2944	BARRIER FREE QUAD-FOUNT SOLID SURFACE BOWL. ALL EXPOSED COMPONENTS TO BE STAINLESS STEEL. SUITABLE FOR FOUR (4) USERS. STANDARD PEDESTAL HEIGHT. C/W BACKSPASH. COLOUR BY ARCHITECT.	BRADLEY	TRIM: ADAPTIVE INFRA-RED CONTROLLED, MOLDED SPRAYHEAD, STOP VALVES, TRANSFORMER, HORIZONTAL SWING CHECK VALVES, THERMOSTATIC MIXING VALVE PRESET AT 40°C. PROVIDE CONTROL TO LIMIT FLOW TO 2L/MINUTE. SUITABLE FOR 120/1/60. SOAP DISPENSER: LIQUID MOUNTED ON SPRAYHEAD COMPLETE WITH 2 SOAP VALVES AND VANDAL PROOF FILLER CAPS.	
WF-2	KINDERGARTEN WASH FOUNTAIN	15ø	15ø			40ø	32ø	BRADLEY TRI FOUNT MF2939	WALL MOUNTED TRI-FOUNT SOLID SURFACE BOWL. ALL EXPOSED COMPONENTS TO BE STAINLESS STEEL. SUITABLE FOR THREE (3) USERS. STANDARD PEDESTAL HEIGHT. C/W BACKSPASH. COLOUR BY ARCHITECT. PROVIDE FLOOR MTD CONCEALED FIXTURE CARRIER & INSTALL FIXTURE AT 600 MM (24") ABOVE FINISHED FLOOR.	BRADLEY	TRIM: ADAPTIVE INFRA-RED CONTROLLED, MOLDED SPRAYHEAD, STOP VALVES, TRANSFORMER, HORIZONTAL SWING CHECK VALVES, THERMOSTATIC MIXING VALVE PRESET AT 40°C. PROVIDE CONTROL TO LIMIT FLOW TO 2L/MINUTE. SUITABLE FOR 120/1/60. SOAP DISPENSER: LIQUID MOUNTED ON SPRAYHEAD COMPLETE WITH 2 SOAP VALVES AND VANDAL PROOF FILLER CAPS.	
EW-1	EYE WASH	15ø	15ø			32ø	32ø	HAWS 7260BT-7270BT BRADLEY S19-220 GUARDIAN G1750P-TM	250 MM (10") DIAMETER IMPACT RESISTANT BOWL CHROME PLATED BRASS SPRAY HEADS COMPLETE WITH COVERS, AND WALL MOUNTING BRACKET. TEPID WATER MIXING VALVE MEETING REQUIREMENTS OF ANSI STANDARD Z358.1-2004. MIXING VALVE IS TO PROVIDE WATER TEMPERATURE BETWEEN 15.5°C (60°) AND 38°C (100°F). 15 MM (1/2") CHROME PLATED BRASS STAY OPEN BALL VALVE COMPLETE WITH PUSH HANDLE.	HAWS TWBS.EWE BRADLEY S19-2000 GUARDIAN G3600	TEMPERING VALVE TO BLEND HOT AND COLD WATER TO DELIVER TEPID WATER. AS REQUIRED BY ANSI Z358.1	
FFD-1	FUNNEL FLOOR DRAIN					NOTED	40	ZURN ZN415BF MIFAB CONTOUR WATTS	HEAVY-DUTY CAST IRON BODY, ADJUSTABLE HEAD, NICKEL BRONZE STRAINER WITH FUNNEL FLOOR DRAIN, INTEGRAL SEEPAGE PAN, AND CLAMPING COLLAR. C/W TRAP PRIMER.			
FD-1	FLOOR DRAIN					NOTED	40	ZURN ZN415B MIFAB F1100-C CONTOUR C2000-R6 WATTS FD-100-C-A	CAST IRON BODY, ADJUSTABLE HEAD, NICKEL BRONZE STRAINER, INTEGRAL SEEPAGE PAN, AND CLAMPING COLLAR. USE SQUARE STRAINER IN TILED AREAS AND ROUND STRAINER ELSEWHERE. C/W TRAP PRIMER			

GRILLE SCHEDULE

Item	Type	Manufacturer & Model	Manufacturer & Model	Finish	Finish	Remarks
D1	SQUARE CEILING SUPPLY	EH PRICE SCDA	KRUEGER 1400A	WHITE POWDER COAT	BRITISH WHITE	4-CONE, STEEL, SLIDING ADJUSTMENT NOT ACCEPTABLE
D2	ROUND SUPPLY	EH PRICE RCDA	KRUEGER R4Z	WHITE POWDER COAT	BRITISH WHITE	4-CONE, STEEL, C/W SAFETY CHAINS AND DIFFUSER WIRE GUARD. SLIDING ADJUSTMENT NOT ACCEPTABLE
R1	CEILING RETURN	EH PRICE 80-CH	KRUEGER EGS	WHITE POWDER COAT	BRITISH WHITE	ALUMINUM, C/W CHANNEL FRAME, FIRE FLAP

Client  
**HALTON CATHOLIC DISTRICT SCHOOL BOARD**  
Project  
**HOLY FAMILY SCHOOL**

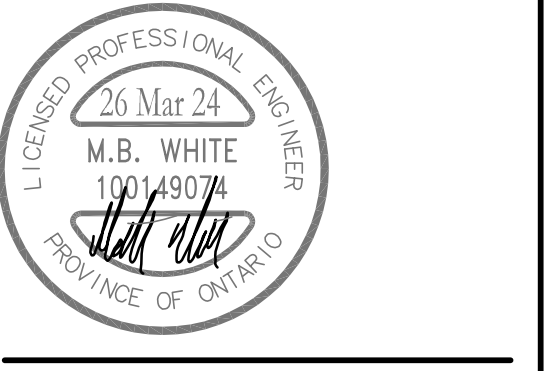
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Tel: 905-257-4408

THIS WORK FOR THIS PROJECT SHALL BE CONSTRUCTED IN PHASES. REFER TO ARCHITECTURAL DRAWINGS FOR PHASING INFORMATION AND DETAILS. MISINTERPRETATION OF THE DRAWINGS WITH RESPECT TO THE EXTENT OF THE PHASING OF THE WORK SHALL NOT RELIEVE THE CONTRACTOR OF THE WORK REQUIRED TO COMPLETE THE ENTIRE CONTRACT.

No.	Revisions	Date
1	Issued for Coordination	2024-03-08
2	Issued for Coordination	2024-03-11
3	Issued for Bids & Building Permit	2024-03-26

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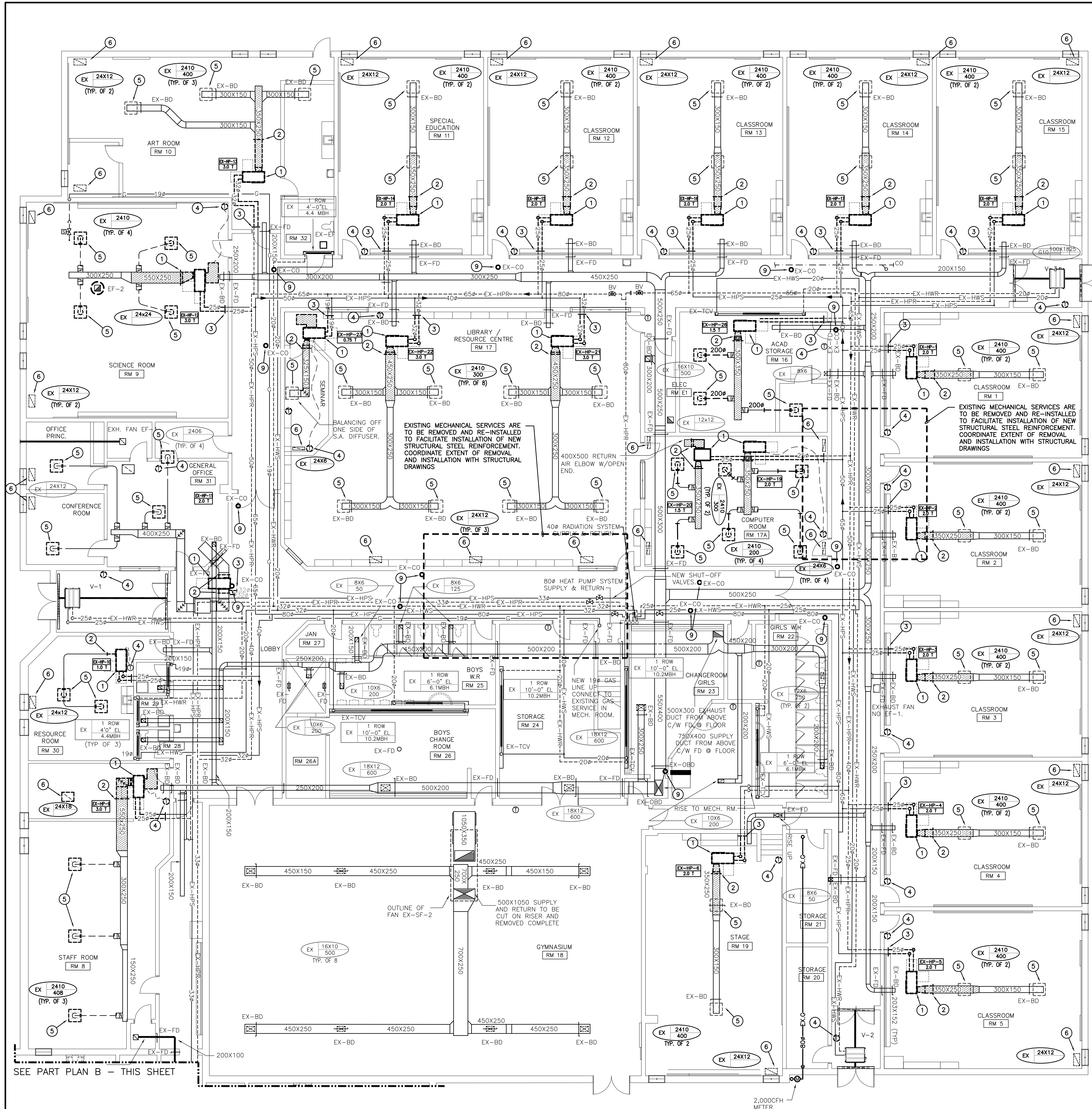
Drawing Title:  
**SCHEDULES**

**MECHANICAL**

Scale: AS NOTED Date:  
Drawn by: **DF** Checked by: **MW**

Job No. **2325** Drawing No. **M1.2**

This drawing is based on 21"x36" sheet size. If not the above size, interpret the drawing accordingly.



FIRST FLOOR PART PLAN - DEMOLITION - PHASE 1  
SCALE: 1:100

GENERAL DEMOLITION NOTES

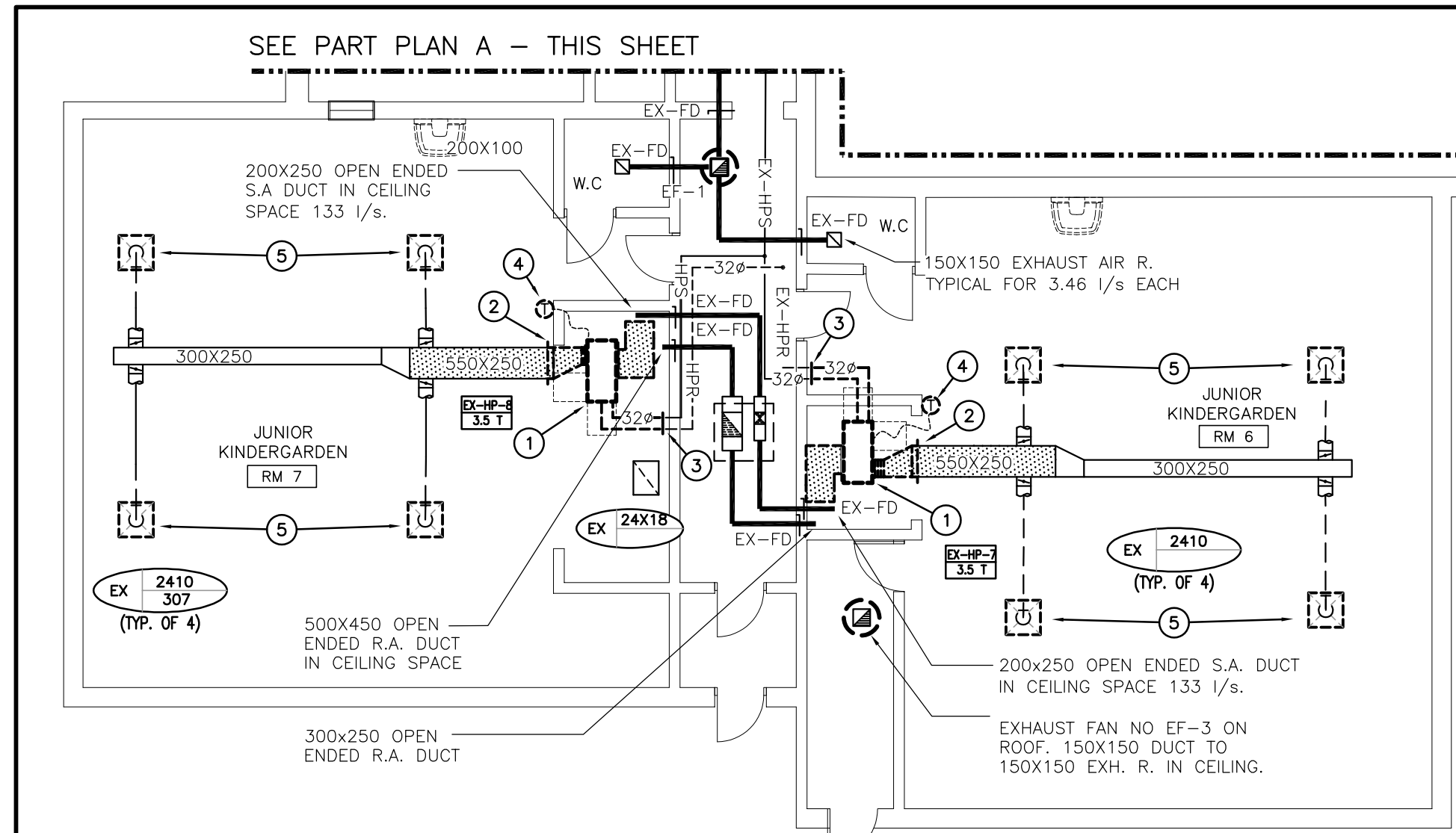
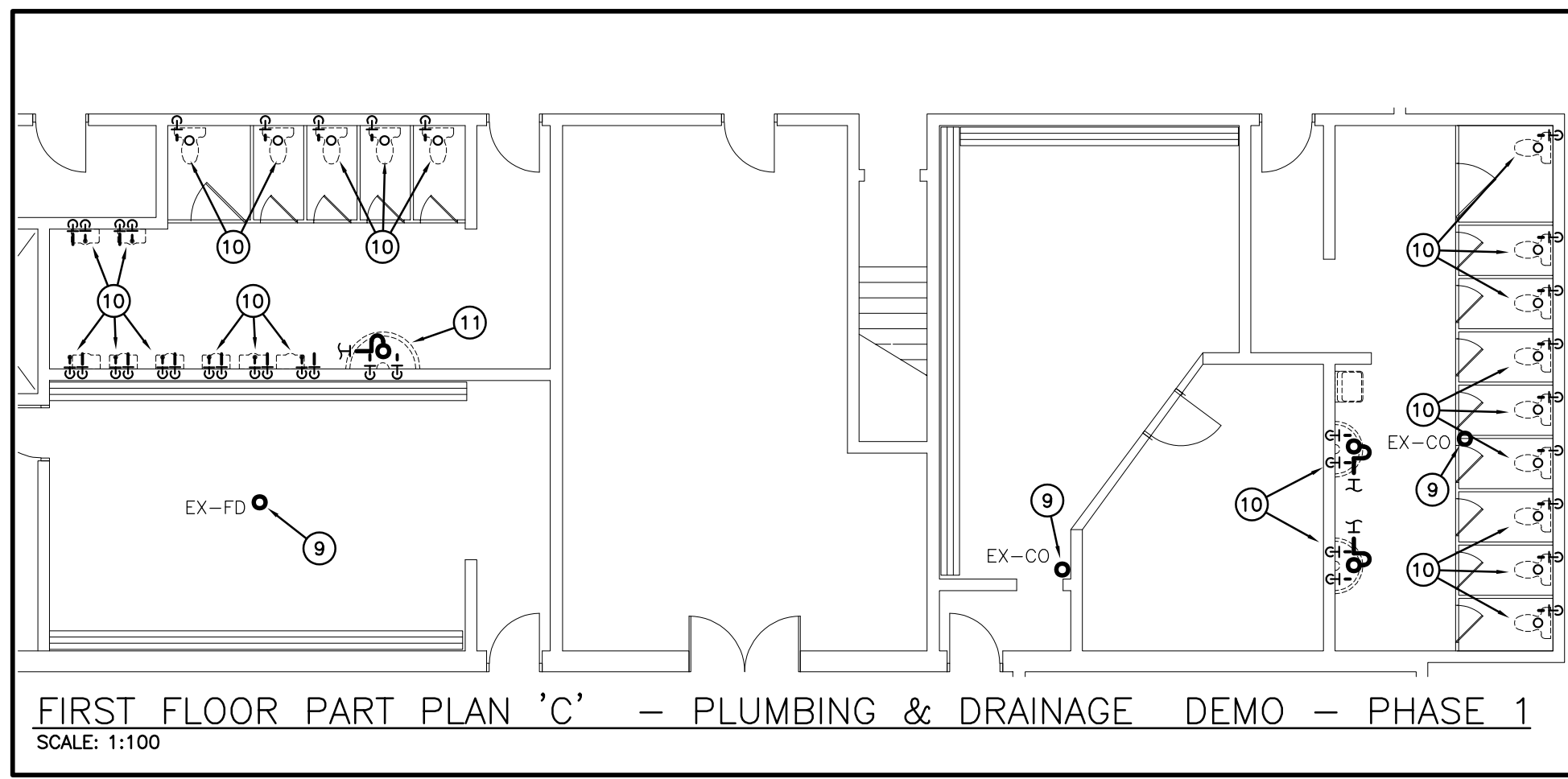
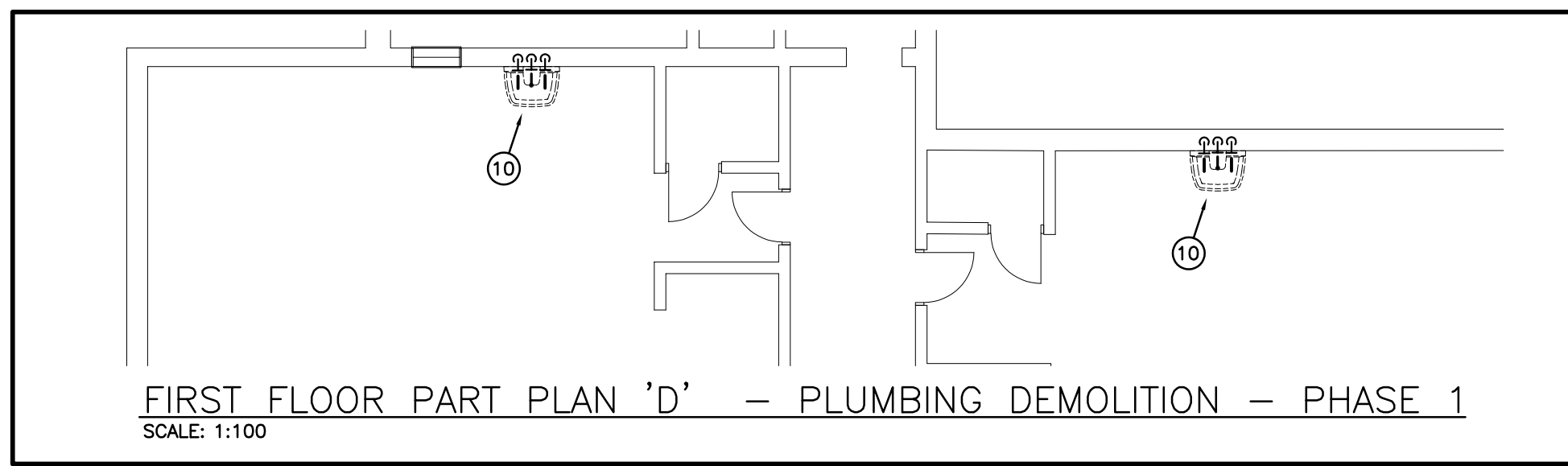
- EXISTING HEAT PUMP AND ASSOCIATED CONDENSATE DRAIN PIPING TO BE CUT AND REMOVED COMPLETE.
- EXISTING DUCTWORK TO BE CUT BACK AND REMOVED BEYOND COMPLETE.
- EXISTING HPS/HPR PIPING TO BE CUT AND REMOVED BEYOND COMPLETE. EXISTING VALVES TO BE REMOVED COMPLETE.
- EXISTING THERMOSTAT/SENSOR TO BE REMOVED COMPLETE. REPLACE WITH NEW DDC THERMOSTAT/SENSOR.
- EXISTING GRILLE/DIFFUSER TO BE REMOVED COMPLETE AND RETAINED FOR REUSE.
- EXISTING DIFFUSER/GRILLE TO BE REMOVED COMPLETE.
- EXISTING HVAC UNIT ON ROOF TO BE REMOVED COMPLETE IN PREPARATION FOR REPLACEMENT
- NOT USED.
- EXISTING CLEANOUT/FLOOR DRAIN TO BE REMOVED COMPLETE. CUT EXISTING SANITARY PIPING BELOW FLOOR AND REMOVE BEYOND COMPLETE. PREPARE FOR NEW CONNECTION.
- EXISTING PLUMBING FIXTURE TO BE REMOVED COMPLETE IN PREPARATION FOR INSTALLATION OF REPLACEMENT
- EXISTING PLUMBING FIXTURE TO BE REMOVED COMPLETE. CUT BACK SANITARY & WATER LINES IN PREPARATION FOR CONNECTION OF TWO NEW FIXTURES IN NEW CHASE.

THE CONTRACTOR WILL TAKE ALL NECESSARY STEPS TO HAVE EQUIPMENT THAT WAS REMOVED/REPLACED AS PART OF ANY WORK DISPOSED OF OR DECOMMISSIONED IN ACCORDANCE WITH APPROPRIATE DISPOSAL OR DECOMMISSIONING PROCESSES, APPLICABLE LAWS, AND IN ACCORDANCE WITH COMMERCIALLY REASONABLE ENVIRONMENTAL PRACTICES. THE CONTRACTOR MUST SUBMIT WRITTEN PROOF, EVIDENCE OR ACKNOWLEDGEMENT THAT THE DISPOSAL OF ALL MATERIALS WAS DONE SO IN ACCORDANCE WITH ALL CURRENT DISPOSAL REQUIREMENTS. CONTRACTOR TO SUBMIT ALL REQUIRED PAPERWORK.

GENERAL DEMOLITION NOTES

- EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- EXISTING MECHANICAL ITEMS SHOWN BUT NOT NOTED AS BEING REMOVED OR RENOVATED SHALL REMAIN AS PRESENTLY INSTALLED AND OPERATING.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL LOCATIONS AND SIZES OF ALL SERVICES & EQUIPMENT PRIOR TO THE COMMENCEMENT OF WORK.
- ALL OPENINGS THAT RESULT FROM THE REMOVAL OF EQUIPMENT OR SERVICES SHALL BE NEATLY PATCHED WITH SUITABLE NEW MATERIALS TO SUIT EXISTING CONSTRUCTION.
- PLUMBING VENTS ARE NOT INDICATED OR IDENTIFIED. REMOVE ALL REDUNDANT VENTS WHILE MAINTAINING INTEGRITY OF EXISTING SYSTEMS TO REMAIN.
- REMOVAL OF EXISTING PIPING, OR DUCT SYSTEMS INCLUDES REMOVAL OF ALL HANGERS, INSULATION, FITTINGS, ETC.
- MAINTAIN INTEGRITY OF EXISTING SYSTEMS THAT ARE TO REMAIN OR BE MODIFIED.
- INSTALL NEW SYSTEM OR SERVICES WHERE REQUIRED TO MAINTAIN SYSTEM OPERATION PRIOR TO DEMOLITION OF EXISTING SERVICES.
- THIS CONTRACTOR IS TO REMOVE & REPLACE CEILING AS REQUIRED FOR REMOVAL/REPLACEMENT OF SERVICES.
- CONTRACTOR TO CARRY IN THEIR PRICING TO DRAIN SYSTEM OR FREEZE PIPING TO COMPLETE WORK

NOTE:  
ALL MECHANICAL DRAWING LAYOUTS ARE ROTATED 90°  
CLOCKWISE TO THAT OF THE ARCHITECTURAL SETS



FIRST FLOOR PART PLAN 'B' - DEMOLITION - PHASE 1  
SCALE: 1:100

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Project  
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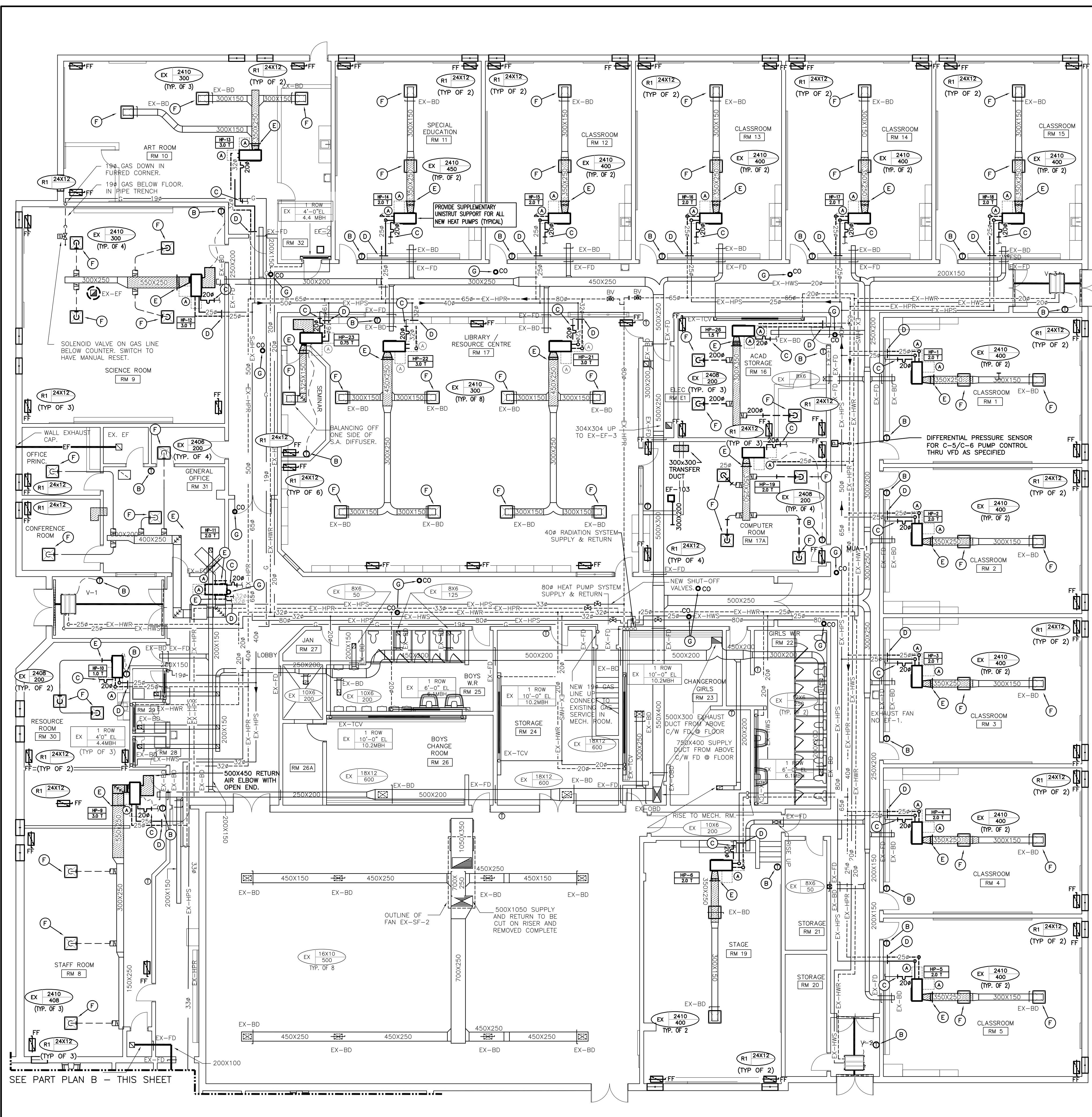
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Scale: AS NOTED  
**FIRST FLOOR PLAN PHASE 1 HVAC DEMOLITION**

Drawn by: DF Checked by: MW  
Job No. 2325 Drawing No. M21

This drawing is valid for 24/24/24. If not the above date, interpret the drawing accordingly.



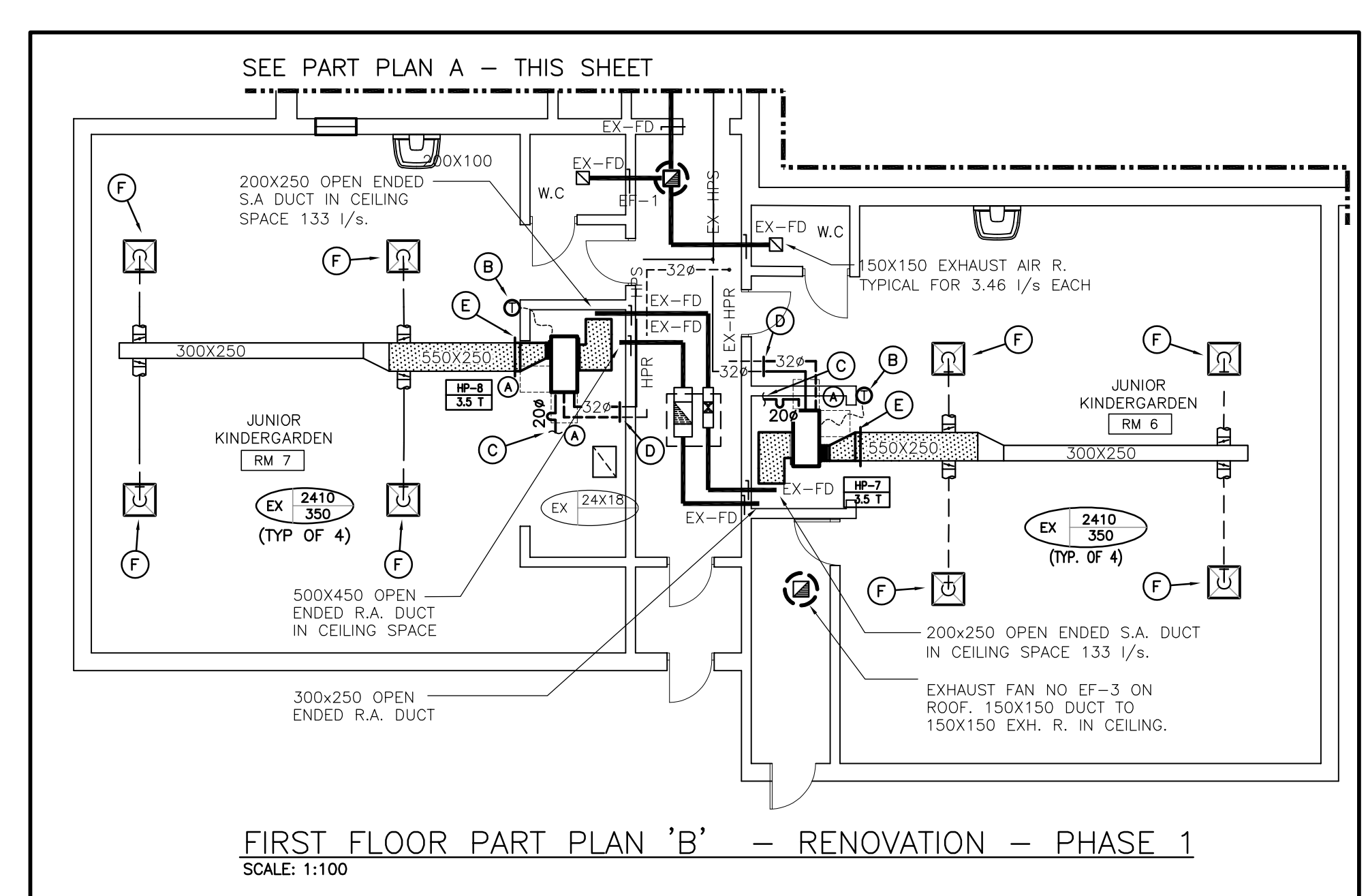
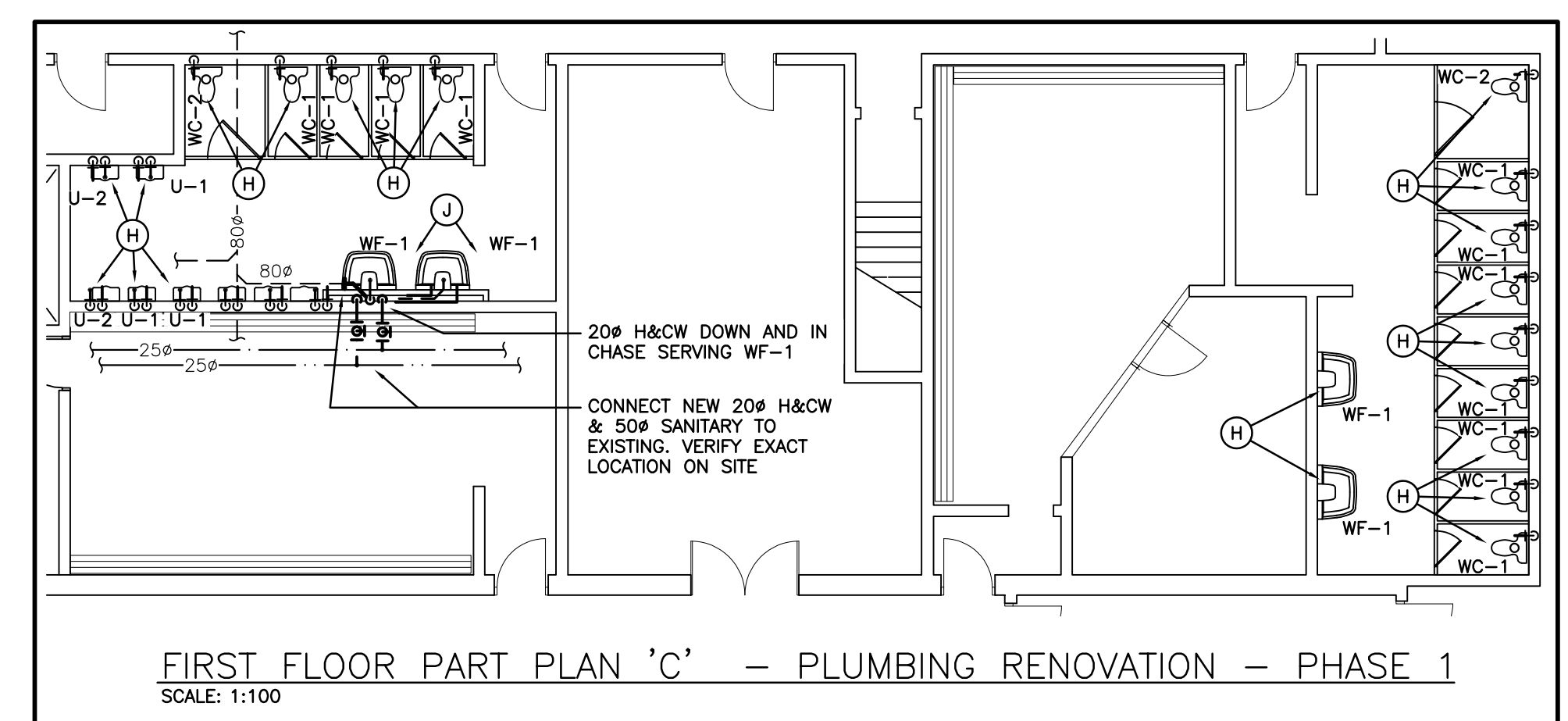
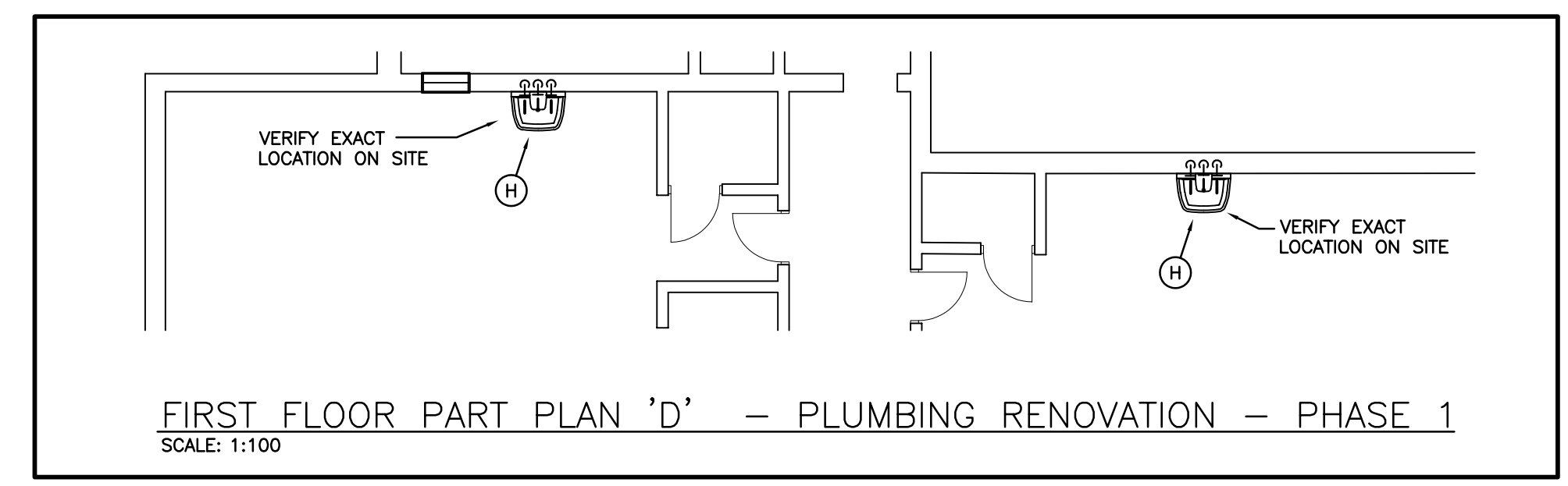
FIRST FLOOR PART PLAN - RENOVATION - PHASE 1  
SCALE: 1:100

- NOTES:**
- RE-BALANCE ALL NEW AND EXISTING DIFFUSERS, GRILLES & DUCTWORK TO CAPACITIES AS INDICATED AND SPECIFIED.
  - RE-BALANCE ALL OA DUCTS TO EACH HEAT PUMP TO CAPACITIES AS INDICATED AND SPECIFIED.
  - EXISTING GRILLES AND DIFFUSERS TO BE TEMPORARILY REMOVED TO ACCOMMODATE HEAT PUMP REMOVAL/INSTALLATION. REINSTALL SPRINKLER HEADS IN THE SAME LOCATION. REFER TO ARCHITECTURAL RCP

**NOTE:**  
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- GENERAL RENOVATION NOTES**
- MAINTAIN REQUIRED SERVICE CLEARANCES FOR ALL HEAT PUMPS AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND CONSULTANT RECOMMENDATIONS.
  - CO-ORDINATE ANY OWSI BRIDGING RELOCATION OR REMOVAL/REPLACEMENT WITH THE GENERAL CONTRACTOR. PAY ALL COSTS REQUIRED TO MODIFY BRIDGING FOR INSTALLATION OF DUCTWORK.
  - CLEAN ALL NEW AND EXISTING DUCTWORK, COILS, DIFFUSERS AND GRILLES AS INDICATED AND SPECIFIED. RE-BALANCE DIFFUSERS/GRILLES TO CAPACITIES AS INDICATED.

- SPECIFIC RENOVATION NOTES**
- MAINTAIN REQUIRED SERVICE CLEARANCES FOR ALL HEAT PUMPS AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND CONSULTANT RECOMMENDATIONS.
  - NEW DDC THERMOSTAT/SENSOR. PROVIDE NEW CONTROL WIRING. FISH EXISTING WALL AS REQUIRED. PROVIDE WIREMOLD WHERE REQUIRED.
  - CONNECT NEW CONDENSATE PIPING TO EXISTING HPS&R PIPING. SIZE AS INDICATED ON PLAN.
  - CONNECT NEW HPS AND/OR HPR PIPING TO EXISTING HPS&R PIPING. SIZE TO MATCH EXISTING.
  - CONNECT NEW SA DUCT TO EXISTING CUT CONNECTION C/W TRANSITION AS REQUIRED (SIZE TO MATCH EXISTING).
  - EXISTING DIFFUSER/GRILLE TO BE REMOVED, CLEANED AND REINSTALLED THE SAME.
  - INSTALL NEW REPLACEMENT FLOOR CLEANOUT
  - INSTALL NEW REPLACEMENT PLUMBING FIXTURE. MAKE CONNECTIONS TO EXISTING SANITARY AND WATER LINES
  - INSTALL NEW PLUMBING FIXTURE. MAKE CONNECTIONS TO EXISTING SANITARY AND WATER LINES WITHIN NEW PLUMBING CHASE
  - CORRECT QUANTITIES AND/OR SIZES AND DIMENSIONS ARE THE RESPONSIBILITY OF THE CONTRACTOR.



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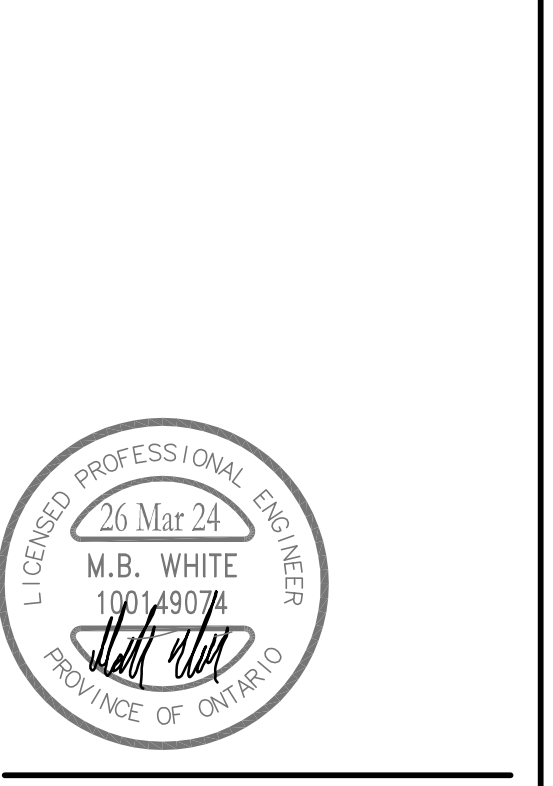
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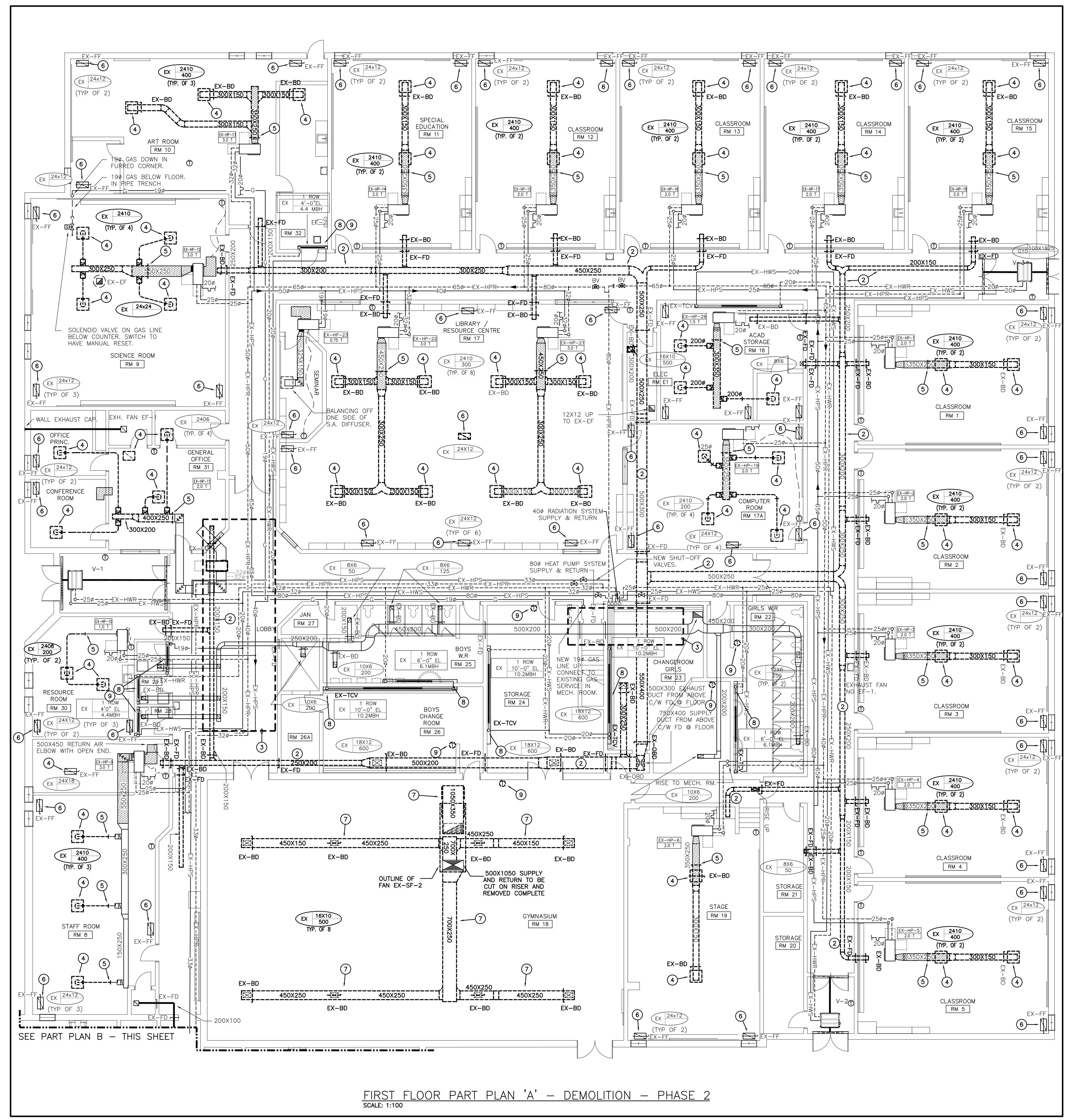


Drawn by: **DF** Date: **AS NOTED**

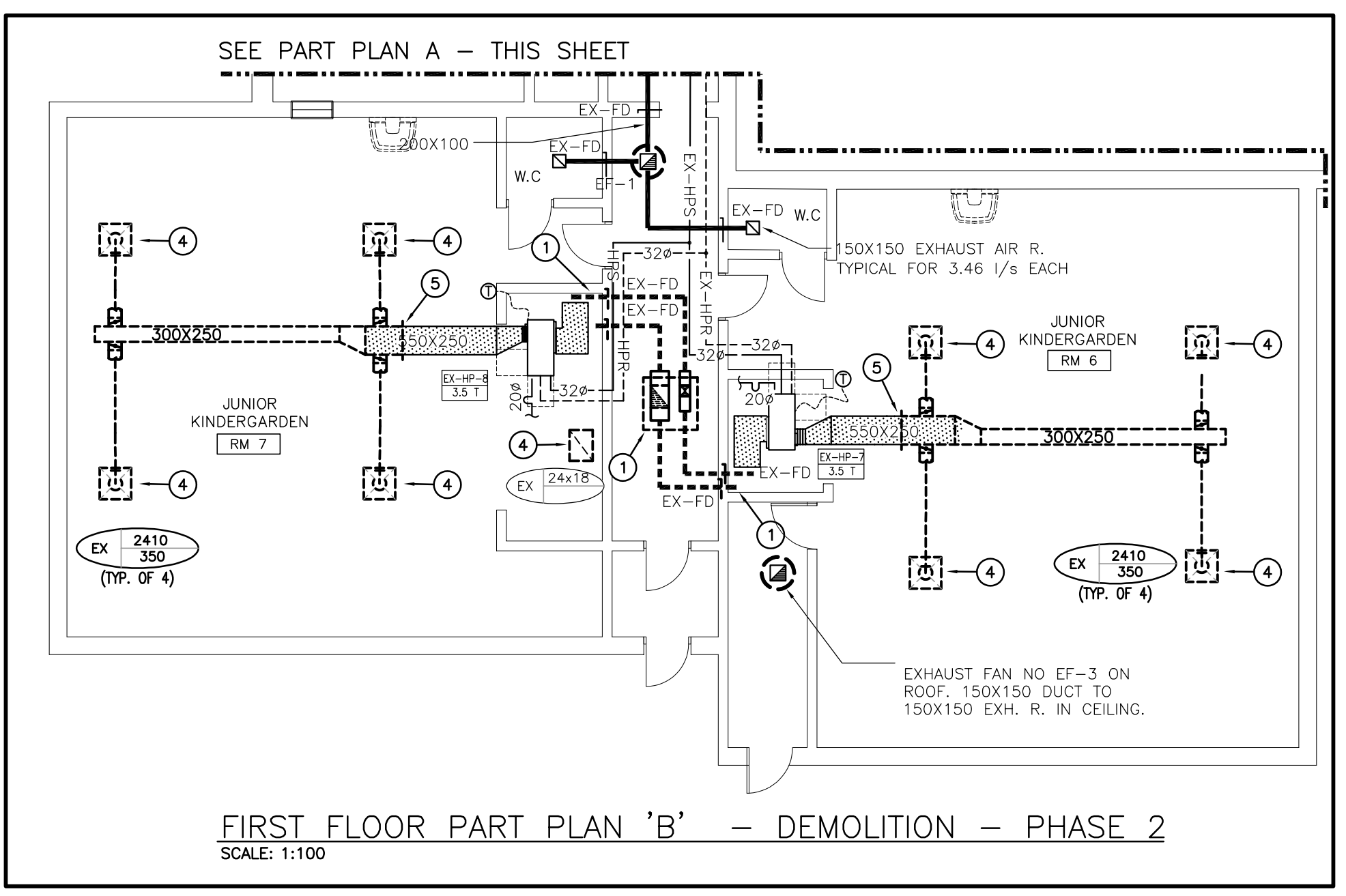
Checked by: **MW**

Job No. **2325** Drawing No. **M2.2**

This drawing is based on 2123P-1 sheet only. If not the above size, interpret the drawing accordingly.



FIRST FLOOR PART PLAN 'A' - DEMOLITION - PHASE 2  
SCALE: 1:100



FIRST FLOOR PART PLAN 'B' - DEMOLITION - PHASE 2  
SCALE: 1:100

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- CONTRACTOR TO CARRY IN THEIR PRICING TO DRAIN SYSTEM OR FREEZE PIPING TO COMPLETE WORK

### GENERAL DEMOLITION NOTES

- EXISTING ERV ON ROOF & ASSOCIATED DUCT WORK TO BE REMOVED COMPLETE
- EXISTING DUCT & ALL ASSOCIATED DAMPERS & GRILLES/DIFFUSERS TO BE REMOVED COMPLETE.
- REMOVE AND REINSTALL DUCT TO SUIT NEW DUCT INSTALL. REFER TO RENOVATION PLANS.
- EXISTING DIFFUSER/GRILLE TO BE REMOVED COMPLETE.
- EXISTING SUPPLY AIR DUCT TO BE CUT AND REMOVED COMPLETE.
- EXISTING GRILLE, C/W FIRE FLAP, TO BE CAREFULLY REMOVED AND RETAINED FOR RE-USE.
- EXISTING DUCTWORK TO BE REMOVED COMPLETE.
- EXISTING ISOLATION VALVES, BALANCING VALVES, AND TCV TO BE REMOVED COMPLETE. EXISTING PNEUMATIC TUBING TO BE REMOVED COMPLETE. CONCEALED PNEUMATIC TUBING TO BE ABANDONED IN PLACE.
- EXISTING THERMOSTAT/SENSOR TO BE REMOVED COMPLETE. REPLACE WITH NEW DDC THERMOSTAT/SENSOR. PROVIDE STAINLESS STEEL COVER PLATE WHERE EXISTING THERMOSTAT IS NOT REPLACE OR DOES NOT COVER OPENING

NOTE:  
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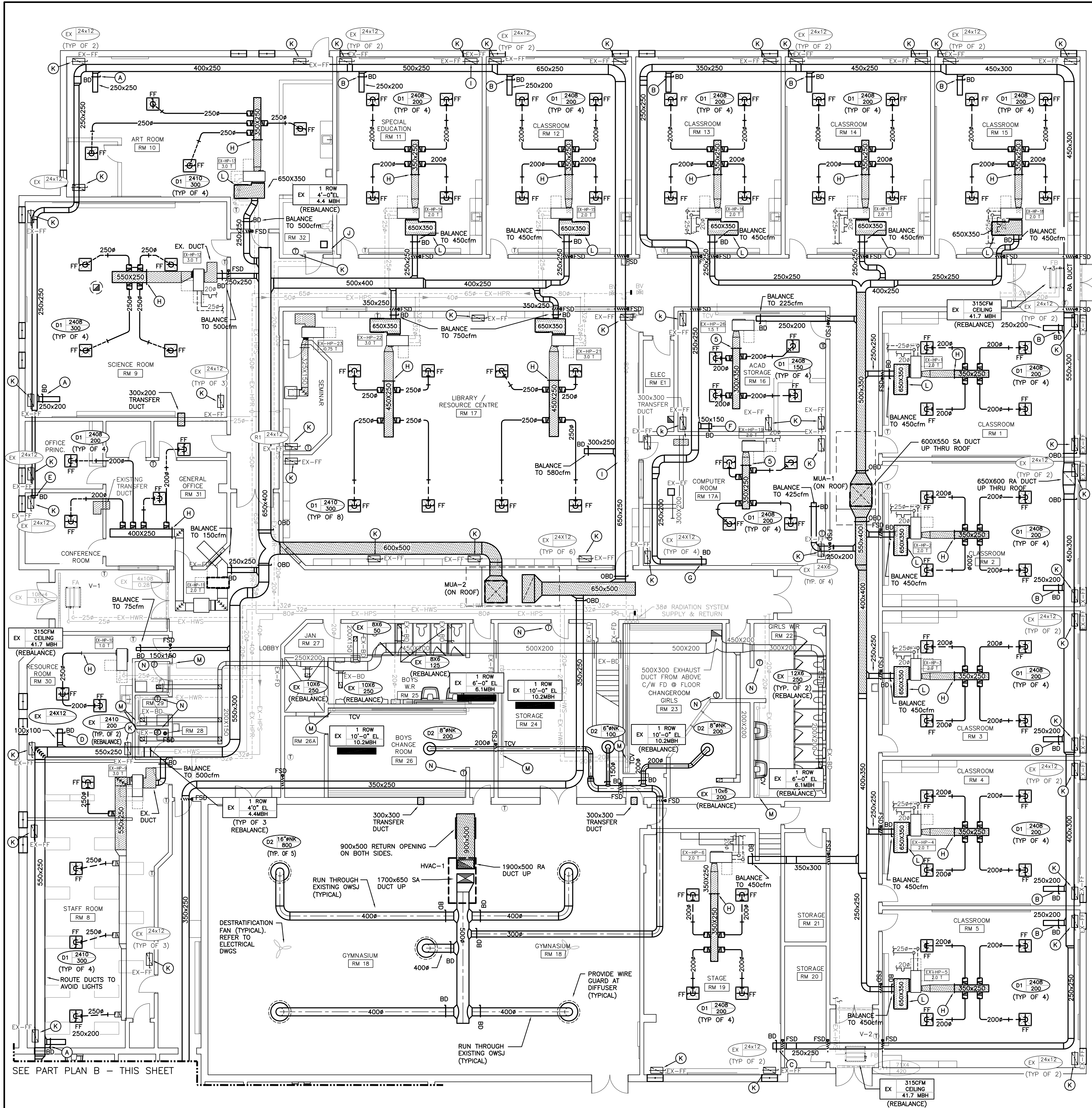
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Drawn by: **DF**  
**FIRST FLOOR PLAN PHASE 2 HVAC DEMOLITION**

Scale: AS NOTED Date:   
Job No: **2325** Drawing No: **M2.3**



FIRST FLOOR PART PLAN 'A' - RENOVATION - PHASE 2  
SCALE: 1:100

NOTE:  
ALL MECHANICAL DRAWING LAYOUTS ARE  
ROTATED 90° CLOCKWISE TO THAT OF THE  
ARCHITECTURAL SETS

GENERAL RENOVATION NOTES

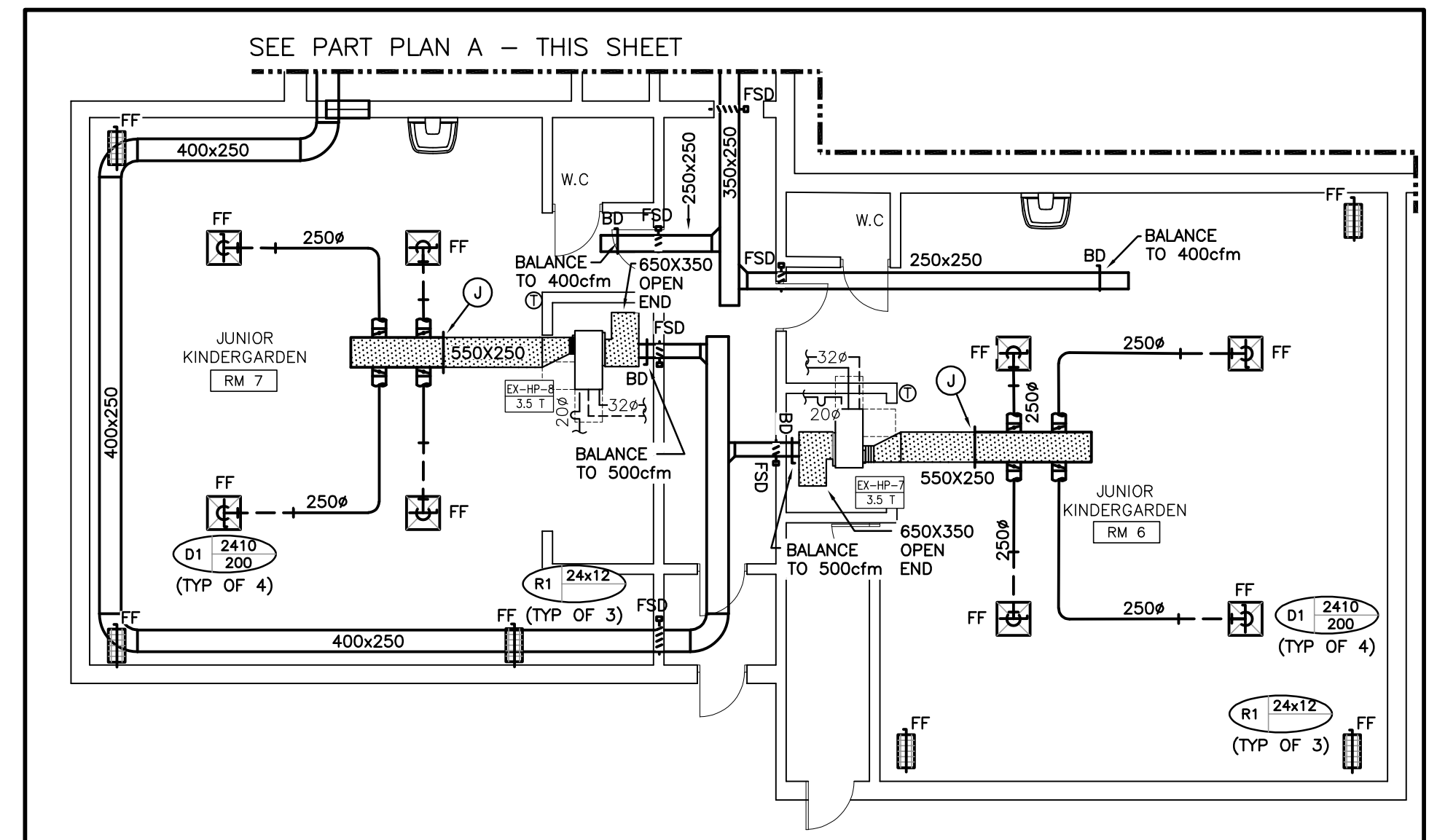
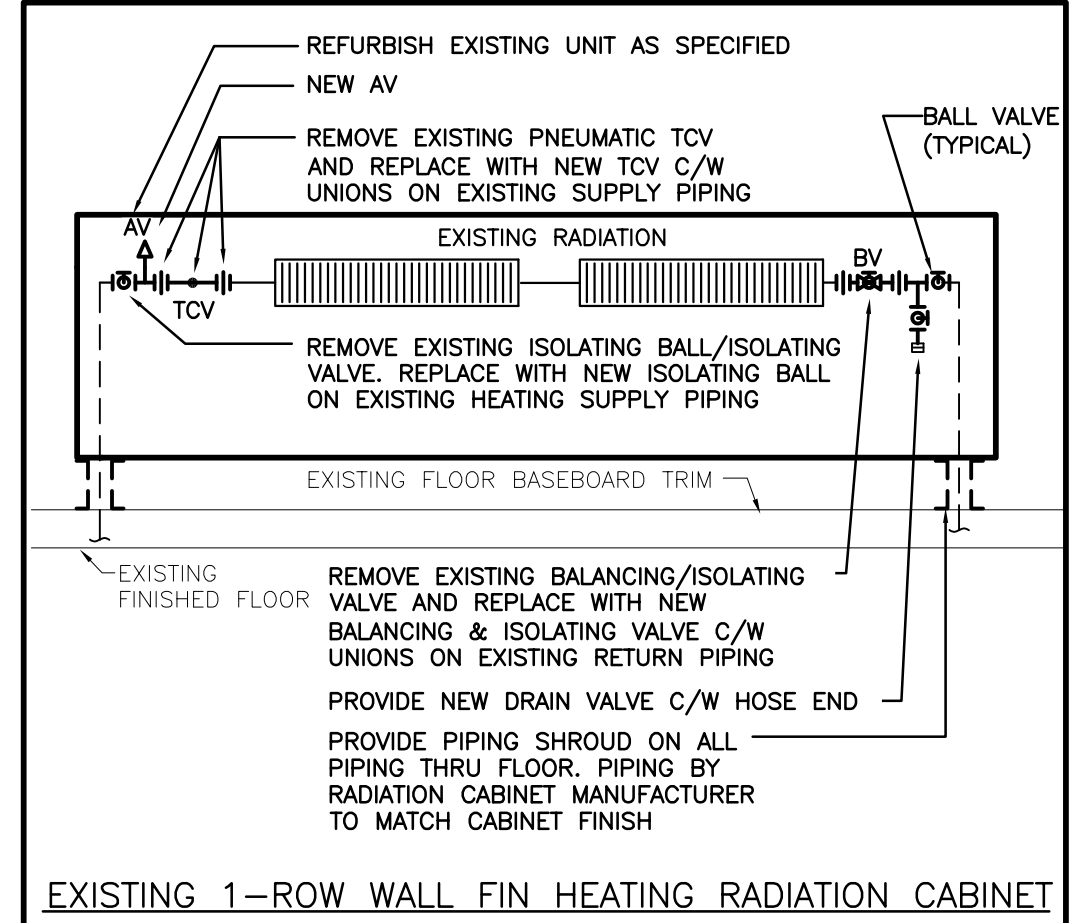
- MAINTAIN REQUIRED SERVICE CLEARANCES FOR ALL HEAT PUMPS AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND CONSULTANT RECOMMENDATIONS.
- CO-ORDINATE ANY OWSJ BRIDGING RELOCATION OR REMOVAL/REPLACEMENT WITH THE GENERAL CONTRACTOR. PAY ALL COSTS REQUIRED TO MODIFY BRIDGING FOR INSTALLATION OF DUCTWORK.
- CLEAN ALL NEW AND EXISTING DUCTWORK, COILS, DIFFUSERS AND GRILLES AS INDICATED AND SPECIFIED. RE-BALANCE DIFFUSERS/GRILLES TO CAPACITIES AS INDICATED.

SPECIFIC RENOVATION NOTES

- A. BALANCE TO 400cfm
- B. BALANCE TO 350cfm
- C. BALANCE TO 450cfm
- D. BALANCE TO 25cfm
- E. BALANCE TO 50cfm
- F. BALANCE TO 125cfm
- G. BALANCE TO 325cfm
- H. CONNECT NEW 350x250 DUCT TO EXISTING 350x250 DUCT
- J. CONNECT NEW 550x250 DUCT TO EXISTING 550x250 DUCT
- K. REINSTALL EXISTING RETURN GRILLE, C/W FIRE FLAP, IN NEW CEILING
- L. 650X350 RETURN AIR OPENING BOTH SIDES
- M. PROVIDE NEW TCY, ISOLATION BALL VALVES AND BALANCING VALVE ON EXISTING HWS/R PIPING IN LOCATION OF EXISTING.
- N. NEW CONCEALED DDC THERMOSTAT. FISH WIRE IN EXISTING WALL. PROVIDE WIREMOLD WHERE EXISTING WALL CANNOT BE FISHED.

NOTE:

- RE-BALANCE ALL NEW AND EXISTING DIFFUSERS, GRILLES & DUCTWORK TO CAPACITIES AS INDICATED AND SPECIFIED.
- RE-BALANCE ALL OA DUCTS TO EACH HEAT PUMP TO CAPACITIES AS INDICATED AND SPECIFIED.
- EXISTING SPRINKLER HEADS, GRILLES AND DIFFUSERS TO BE TEMPORARILY REMOVED TO ACCOMMODATE HEAT PUMP REMOVAL/INSTALLATION. REINSTALL SPRINKLER HEADS IN THE SAME LOCATION. REFER TO ARCHITECTURAL RCP



FIRST FLOOR PART PLAN 'B' - RENOVATION - PHASE 2  
SCALE: 1:100

Client  
**HALTON CATHOLIC DISTRICT SCHOOL BOARD**

Project  
**HOLY FAMILY SCHOOL**

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Abatement Consultant  
**Maple Environmental Inc.**  
428 South Service Road, East - Suite 116  
Oakville, ON L6L 2X6  
Tel: 905-257-4408

THIS WORK FOR THIS PROJECT SHALL BE CONSTRUCTED IN PHASES. REFER TO ARCHITECTURAL DRAWINGS FOR PHASING INFORMATION AND DETAILS. MISINTERPRETATION OF THE DRAWINGS WITH RESPECT TO THE EXTENT OF THE PHASING OF THE WORK SHALL NOT RELIEVE THE CONTRACTOR OF THE WORK REQUIRED TO COMPLETE THE ENTIRE CONTRACT.



No.	Revisions	Date
1	Issued for Coordination	2024-03-08
2	Issued for Coordination	2024-03-11
3	Issued for Bids & Building Permit	2024-03-26

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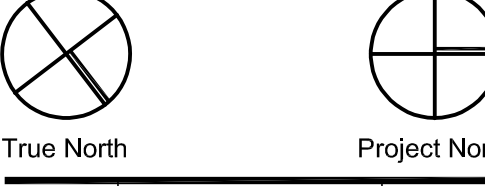


Scale: AS NOTED  
**FIRST FLOOR PLAN PHASE 2 HVAC RENOVATION**

Scale: AS NOTED Date:  
Drawn by: DF Checked by: MW  
Job No. Drawing No.  
**2325 M2.4**

This drawing is issued for 24/24/24. If not the above date, interpret the drawing accordingly.

THIS WORK FOR THIS PROJECT SHALL BE CONSTRUCTED IN PHASES. REFER TO ARCHITECTURAL DRAWINGS FOR PHASING INFORMATION AND DETAILS. MISINTERPRETATION OF THE DRAWINGS WITH RESPECT TO THE EXTENT OF THE PHASING OF THE WORK SHALL NOT RELIEVE THE CONTRACTOR OF THE WORK REQUIRED TO COMPLETE THE ENTIRE CONTRACT.



No.	Revisions	Date
1	Issued for Coordination	2024-03-08
2	Issued for Coordination	2024-03-11
3	Issued for Bids & Building Permit	2024-03-28

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**GENERAL DEMOLITION NOTES**

- EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- EXISTING MECHANICAL ITEMS SHOWN BUT NOT NOTED AS BEING REMOVED OR RENOVATED SHALL REMAIN AS PRESENTLY INSTALLED AND OPERATING.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL LOCATIONS AND SIZES OF ALL SERVICES & EQUIPMENT PRIOR TO THE COMMENCEMENT OF WORK.
- ALL OPENINGS THAT RESULT FROM THE REMOVAL OF EQUIPMENT OR SERVICES SHALL BE NEATLY PATCHED WITH SUITABLE NEW MATERIALS TO SUIT EXISTING CONSTRUCTION.
- PLUMBING VENTS ARE NOT INDICATED OR IDENTIFIED, REMOVE ALL REDUNDANT VENTS WHILE MAINTAINING INTEGRITY OF EXISTING SYSTEMS TO REMAIN.
- REMOVAL OF EXISTING PIPING, OR DUCT SYSTEMS INCLUDES REMOVAL OF ALL HANGERS, INSULATION, FITTINGS, ETC.
- MAINTAIN INTEGRITY OF EXISTING SYSTEMS THAT ARE TO REMAIN OR BE MODIFIED.
- INSTALL NEW SYSTEM OR SERVICES WHERE REQUIRED TO MAINTAIN SYSTEM OPERATION PRIOR TO DEMOLITION OF EXISTING SERVICES.
- THIS CONTRACTOR IS TO REMOVE & REPLACE CEILINGS AS REQUIRED FOR REMOVAL/REPLACEMENT OF SERVICES.

**SPECIFIC DEMOLITION NOTES**

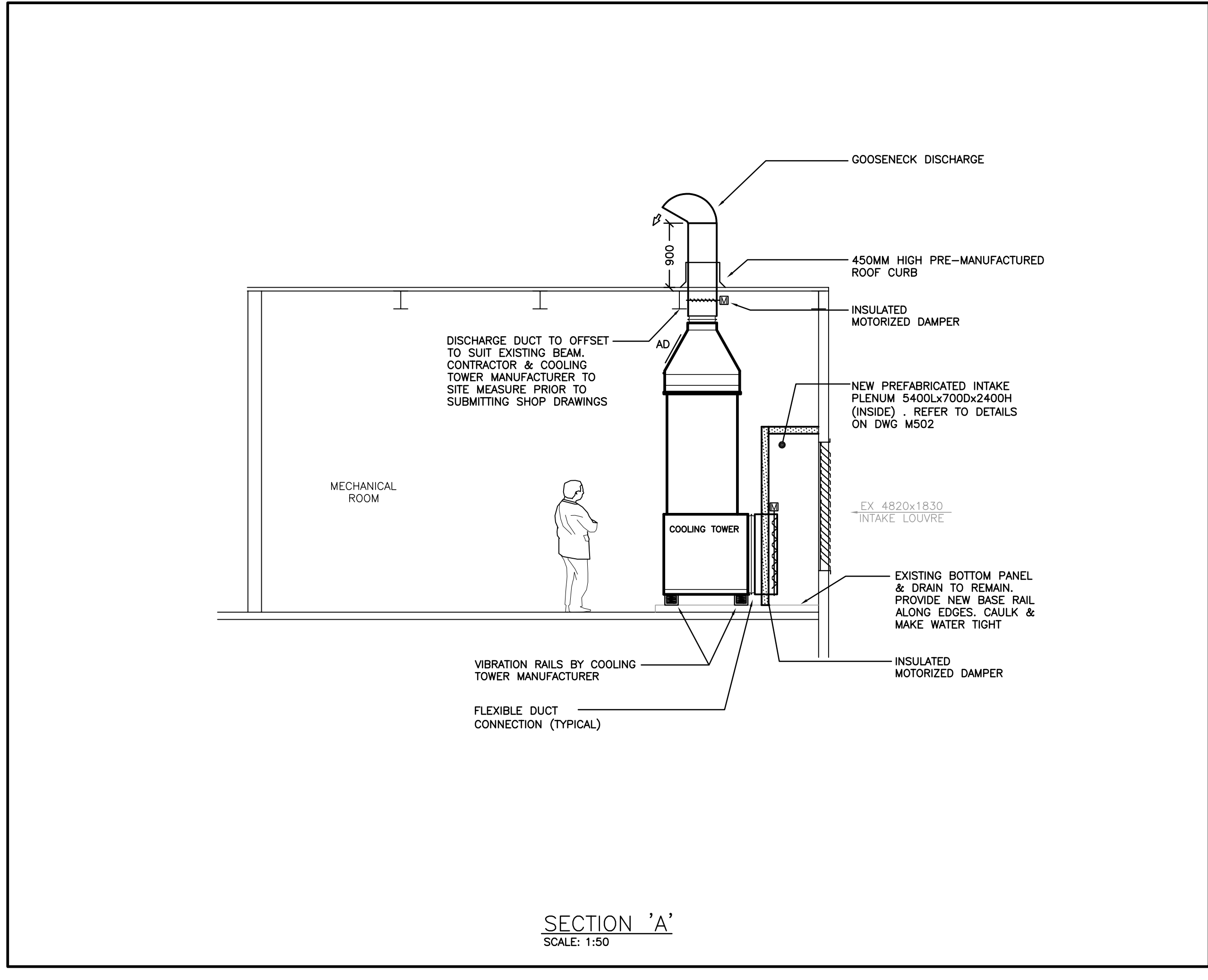
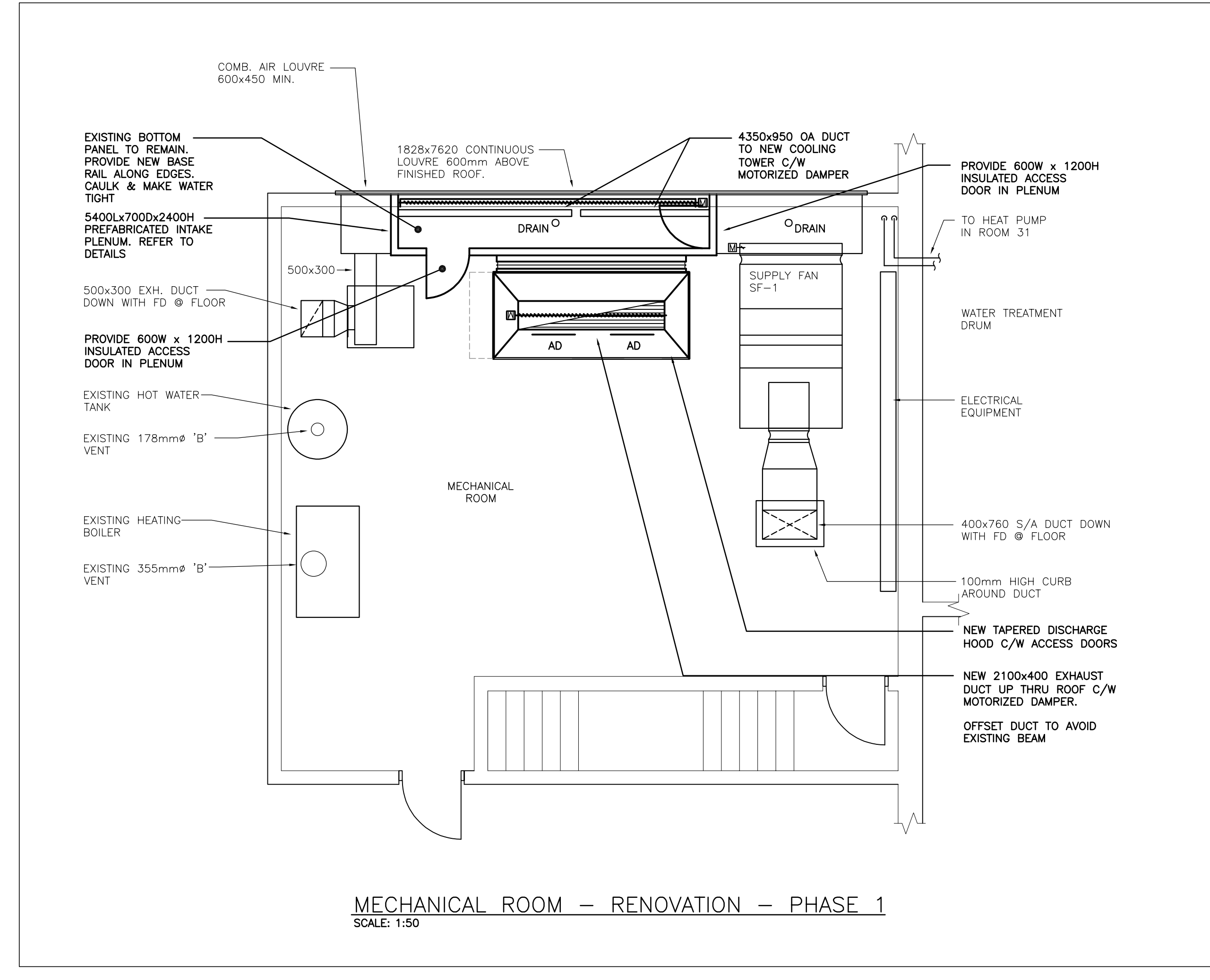
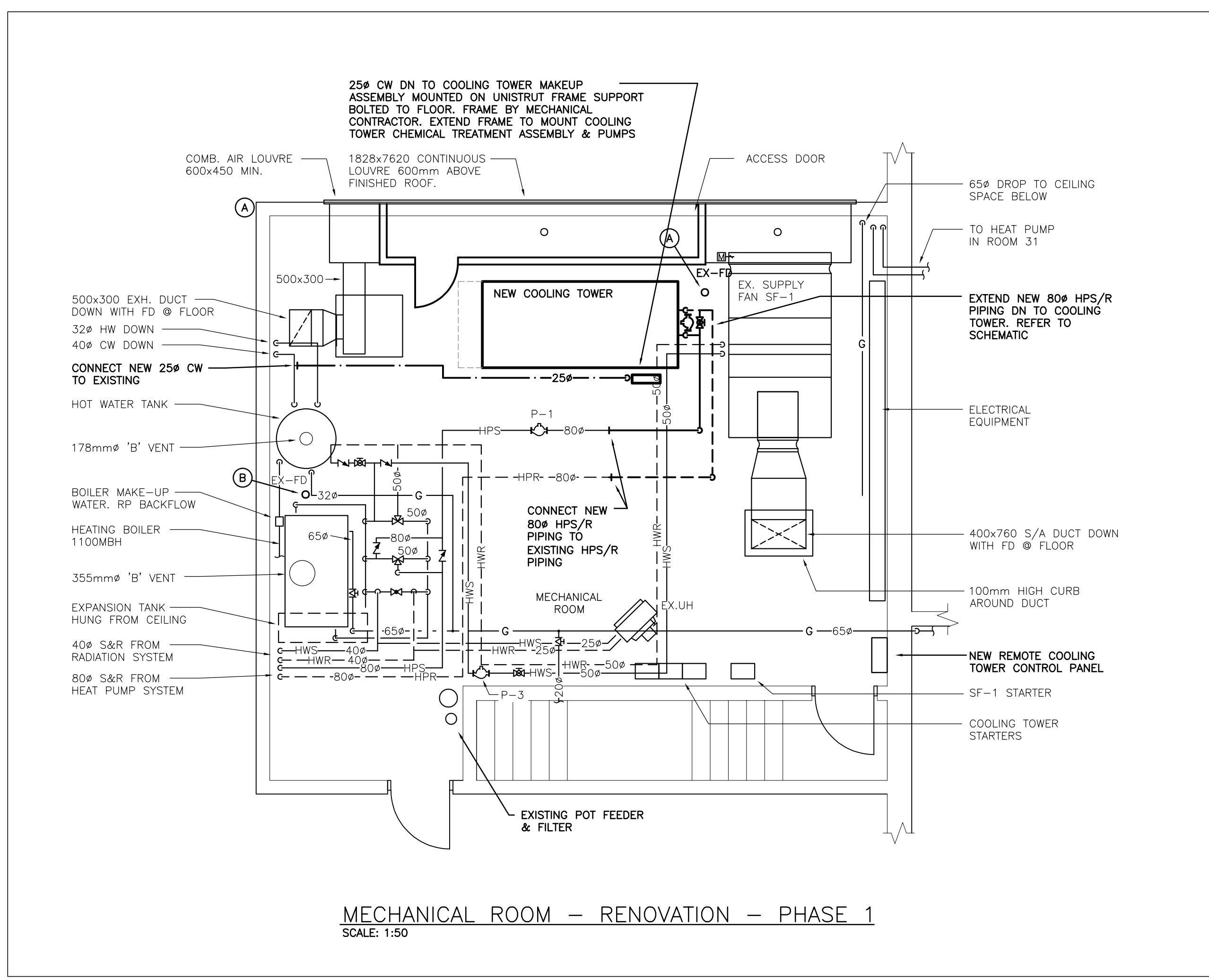
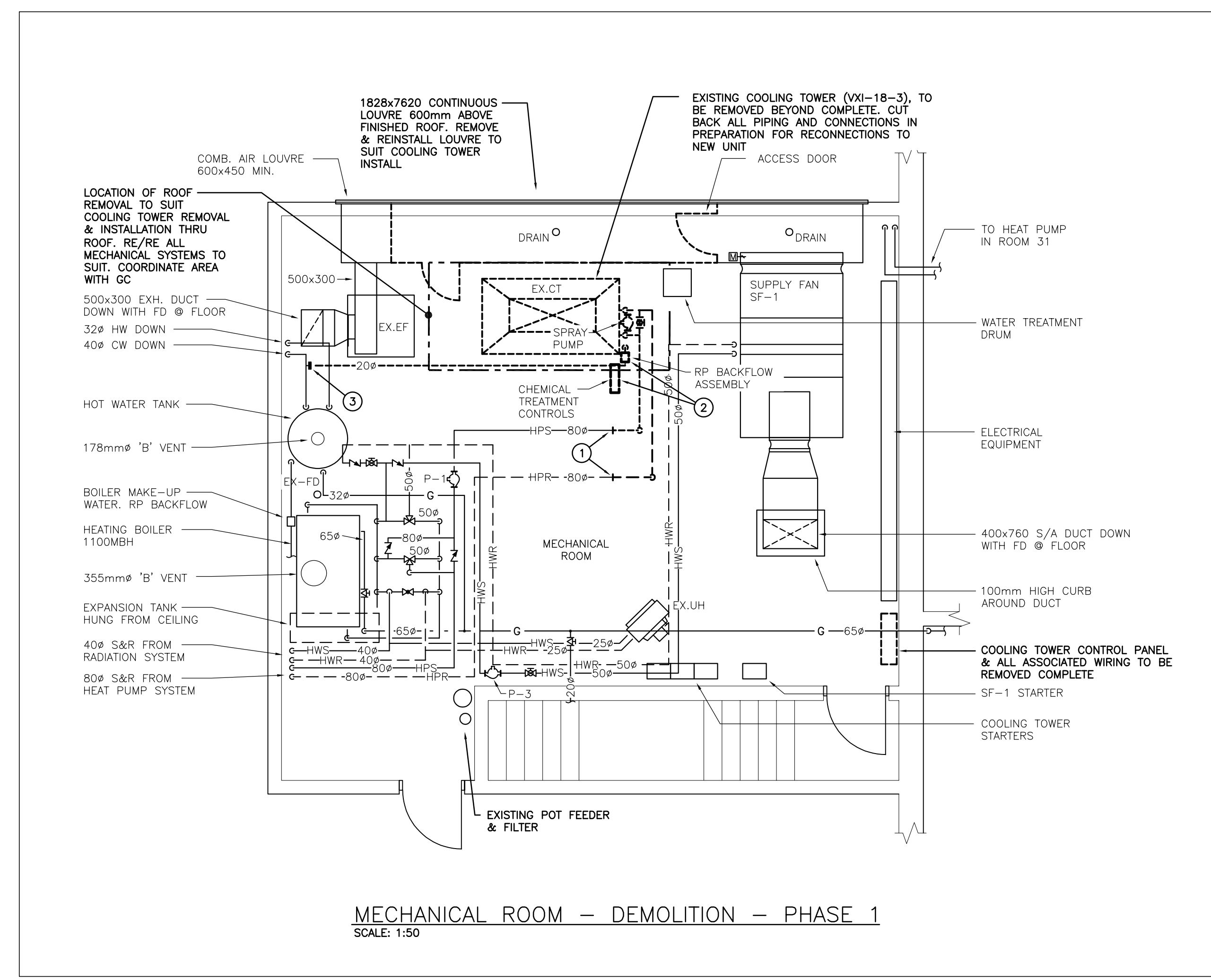
1. EXISTING HPS/R PIPING & ASSOCIATED VALVES TO BE CUT AND REMOVED BEYOND COMPLETE.
2. CHEMICAL TREATMENT CONTROLS & RP BACKFLOW ASSEMBLY TO BE REMOVED COMPLETE IN PREPARATION FOR RELOCATION.
3. EXISTING COLD WATER LINE TO BE CUT, CAPPED & REMOVED COMPLETE.

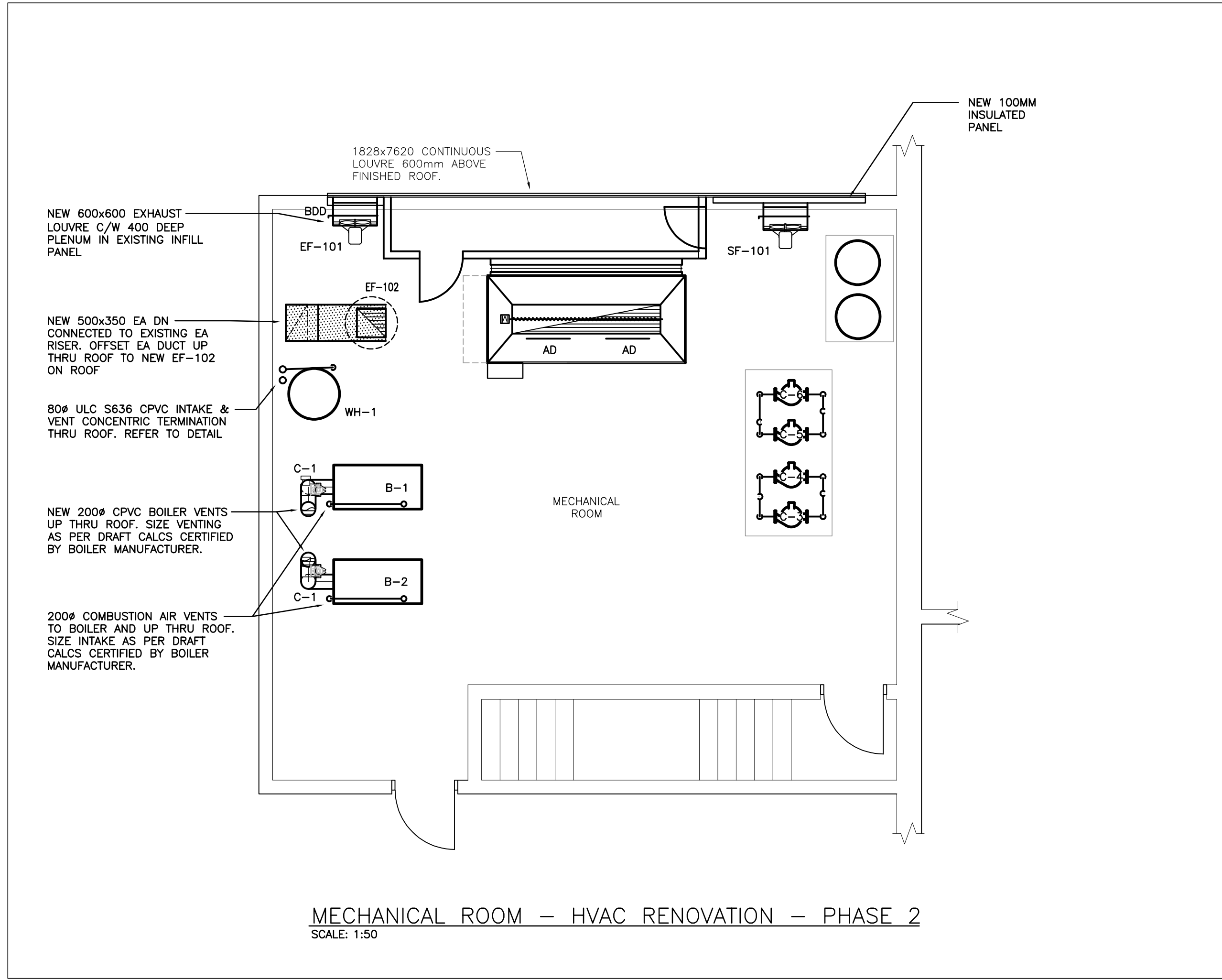
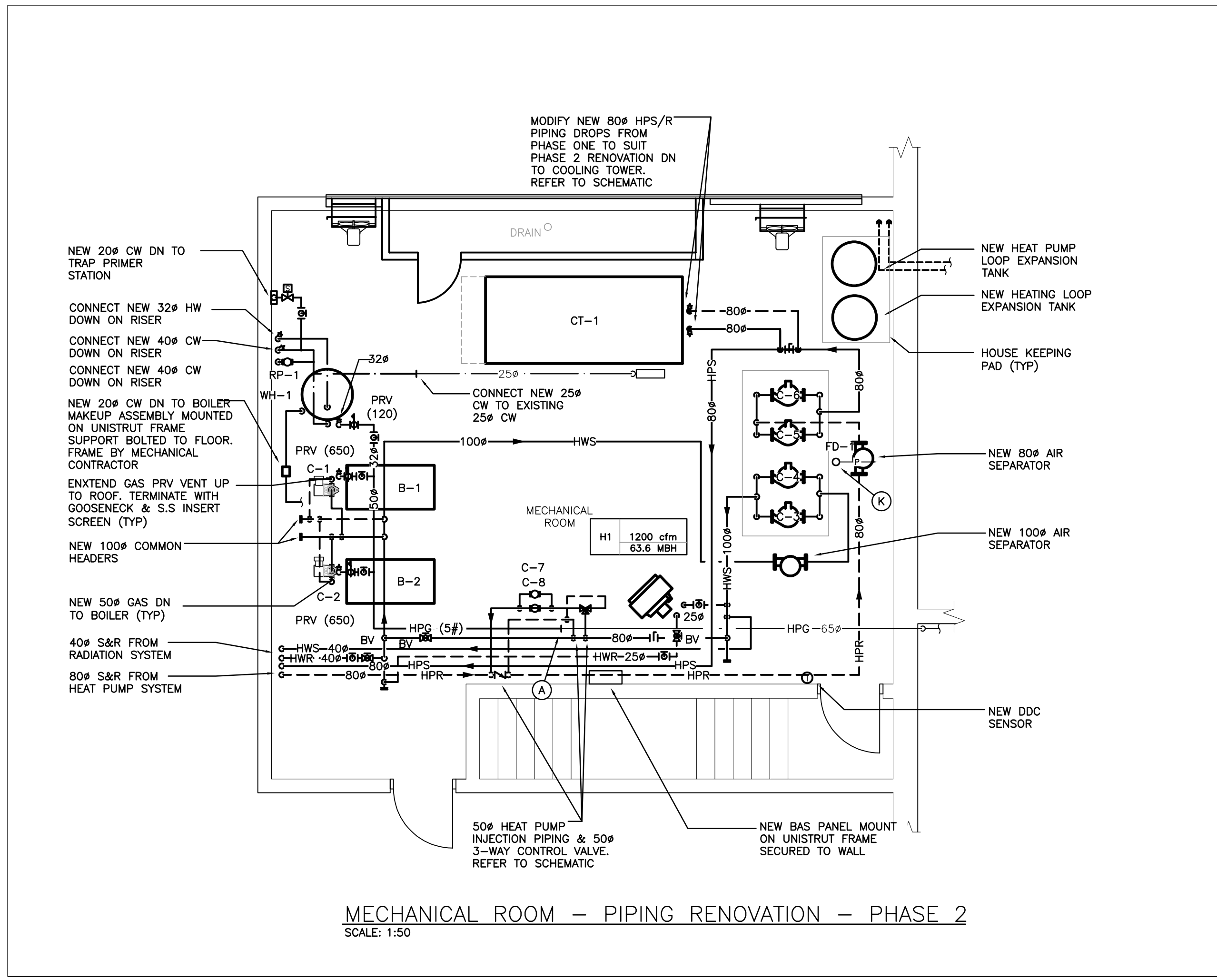
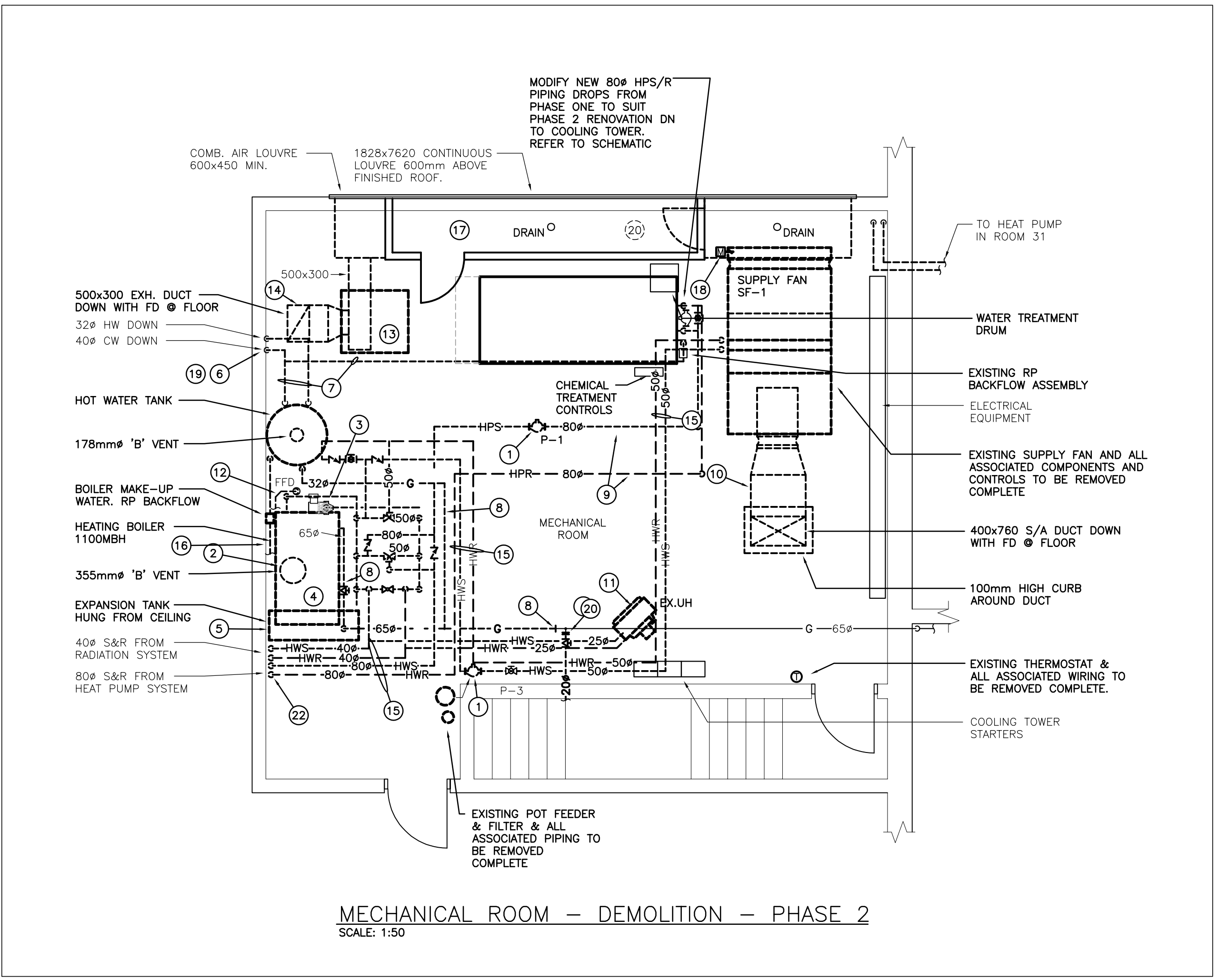
**SPECIFIC RENOVATION NOTES**

- A. ROUTE ALL DRAINS TO EXISTING FLOOR DRAINS. CHIP OUT & REPLACE EXISTING FLOOR DRAIN WITH NEW FFD-1 TYPE DRAIN. RELOCATE DRAIN TO SUIT NEW COOLING TOWER AS REQUIRED.
- B. ROUTE ALL DRAINS TO EXISTING FLOOR DRAINS. CHIP OUT & REPLACE EXISTING FLOOR DRAIN WITH NEW FFD-1 TYPE DRAIN.

THE CONTRACTOR WILL TAKE ALL NECESSARY STEPS TO HAVE EQUIPMENT THAT WAS REMOVED/REPLACED AS PART OF ANY WORK DISPOSED OF OR DECOMMISSIONED IN ACCORDANCE WITH APPROPRIATE DISPOSAL OR DECOMMISSIONING PROCESSES, APPLICABLE LAWS, AND IN ACCORDANCE WITH COMMERCIALLY REASONABLE ENVIRONMENTAL PRACTICES. THE CONTRACTOR MUST SUBMIT WRITTEN PROOF, EVIDENCE OR ACKNOWLEDGEMENT THAT THE DISPOSAL OF ALL MATERIALS WAS DONE SO IN ACCORDANCE WITH ALL CURRENT DISPOSAL REQUIREMENTS. CONTRACTOR TO SUBMIT ALL REQUIRED PAPERWORK.

NOTE:  
 ALL MECHANICAL ROOM DRAWING LAYOUTS ARE ORIENTED AS PER ARCHITECTURAL SETS





- ### GENERAL DEMOLITION NOTES
- EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
  - EXISTING MECHANICAL ITEMS SHOWN BUT NOT NOTED AS BEING REMOVED OR RENOVATED SHALL REMAIN AS PRESENTLY INSTALLED AND OPERATING.
  - THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL LOCATIONS AND SIZES OF ALL SERVICES & EQUIPMENT PRIOR TO THE COMMENCEMENT OF WORK.
  - ALL OPENINGS THAT RESULT FROM THE REMOVAL OF EQUIPMENT OR SERVICES SHALL BE NEATLY PATCHED WITH SUITABLE NEW MATERIALS TO SUIT EXISTING CONSTRUCTION.
  - PLUMBING VENTS ARE NOT INDICATED OR IDENTIFIED, REMOVE ALL REDUNDANT VENTS WHILE MAINTAINING INTEGRITY OF EXISTING SYSTEMS TO REMAIN.
  - REMOVAL OF EXISTING PIPING, OR DUCT SYSTEMS INCLUDES REMOVAL OF ALL HANGERS, INSULATION, FITTINGS, ETC.
  - MAINTAIN INTEGRITY OF EXISTING SYSTEMS THAT ARE TO REMAIN OR BE MODIFIED.
  - INSTALL NEW SYSTEM OR SERVICES WHERE REQUIRED TO MAINTAIN SYSTEM OPERATION PRIOR TO DEMOLITION OF EXISTING SERVICES.
  - THIS CONTRACTOR IS TO REMOVE & REPLACE CEILING AS REQUIRED FOR REMOVAL/REPLACEMENT OF SERVICES.
- ### SPECIFIC DEMOLITION NOTES
- EXISTING CIRCULATION PUMP & ASSOCIATED CONTROLS TO BE REMOVED COMPLETE.
  - EXISTING BOILER VENTING TO BE REMOVED COMPLETE.
  - EXISTING BOILER PUMP & ASSOCIATED CONTROLS TO BE REMOVED COMPLETE.
  - EXISTING BOILER & ASSOCIATED PIPING, DRAINS & CONTROLS TO BE REMOVED COMPLETE.
  - EXISTING EXPANSION TANK, ASSOCIATED VALVES, PIPING & DRAIN TO BE REMOVED BEYOND COMPLETE.
  - EXISTING DOMESTIC H&CW PIPING TO BE CUT AND REMOVED BEYOND COMPLETE.
  - EXISTING GAS PIPING TO BE CUT AND REMOVED BEYOND COMPLETE.
  - EXISTING HPS/R PIPING & ASSOCIATED VALVES TO BE REMOVED COMPLETE.
  - EXISTING DUCTWORK TO BE REMOVED COMPLETE.
  - EXISTING UNIT HEATER & ASSOCIATED PIPING & CONTROLS TO BE REMOVED COMPLETE.
  - EXISTING DRAIN PIPING TO BE REMOVED BEYOND COMPLETE.
  - EXISTING EXHAUST FAN & ASSOCIATED DUCT & CONTROLS TO BE REMOVED BEYOND COMPLETE. CUT DUCT AT RISER
  - EXISTING 500x300 EA DUCT TO BE CUT ON RISER & REMOVED COMPLETE.
  - EXISTING HWS/R PIPING & ASSOCIATED VALVES TO BE REMOVED COMPLETE.
  - EXISTING 20# DOMESTIC COLD WATER RP BACKFLOW PREVENTOR TO BE REMOVED & REPLACED WITH NEW.
  - EXISTING BOTTOM PANEL & DRAIN TO BE MAINTAINED.
  - EXISTING MOTORIZED DAMPER & ASSOCIATED CONTROLS TO BE REMOVED COMPLETE.
  - CUT PIPING AT RISER.
  - EXISTING GAS LINE TO BE CUT, CAPPED & REMOVED COMPLETE.

- ### SPECIFIC RENOVATION NOTES
- CONNECT NEW 65# GAS PIPING TO EXISTING 65# GAS PIPING
  - CONNECT NEW 25# DOMESTIC CW PIPING TO EXISTING 25# DOMESTIC CW PIPING.
  - CONNECT NEW 20# DOMESTIC CW PIPING TO EXISTING 20# DOMESTIC CW PIPING.
  - CONNECT NEW 15# DOMESTIC HW PIPING TO EXISTING DOMESTIC HW MAIN.
  - NEW 600x600 PLENUM C/W 600x600 FILTER RACK, FILTER FRAME & 25MM DISPOSABLE FILTER.
  - CONNECT NEW 32# CW PIPING TO EXISTING 32# CW PIPING.
  - CONNECT NEW 40# HW PIPING TO EXISTING 40# HW PIPING.
  - CONNECT NEW 15# RECIRC PIPING TO EXISTING 15# RECIRC PIPING.
  - CONNECT NEW 32# GAS PIPING TO EXISTING 32# GAS PIPING.
  - NEW 50# FLOOR DRAIN, EXTEND & CONNECT TO SUITABLY SIZED EXISTING SANITARY MAIN. CAMERA EXISTING DRAIN AS REQUIRED.

NOTE:  
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Drawing Title:  
**MECHANICAL ROOM PHASE 2 MECH. DEMO/RENO**

Scale: AS NOTED	Date:
Drawn by: DF	Checked by: MW
Job No. <b>2325</b>	Drawing No. <b>M2.6</b>

This drawing is to be read in conjunction with the contract documents. If not the above size, interpret the drawing accordingly.



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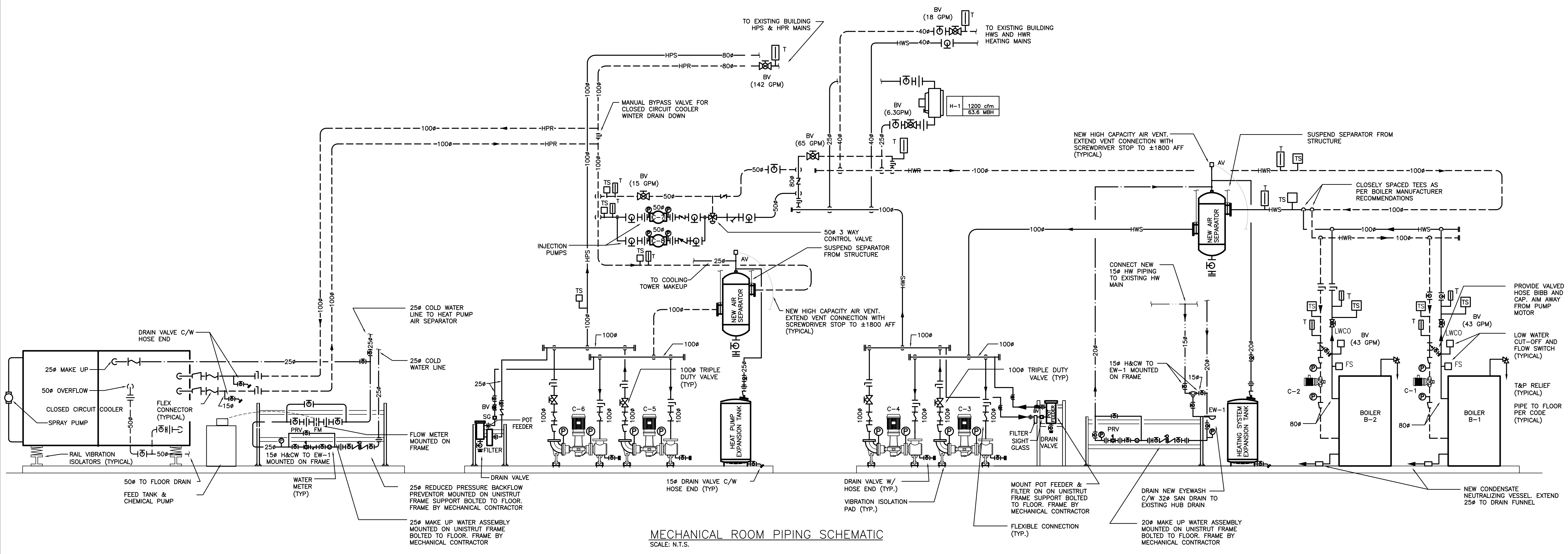
No.	Revisions	Date
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2	Issued for Coordination	2024-03-11
3	Issued for Bids & Building Permit	2024-03-26

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MECHANICAL ROOM PIPING SCHEMATIC

Scale: AS NOTED Date:  
 Drawn by: **DF** Checked by: **MW**  
 Job No. **2325** Drawing No. **M2.7**



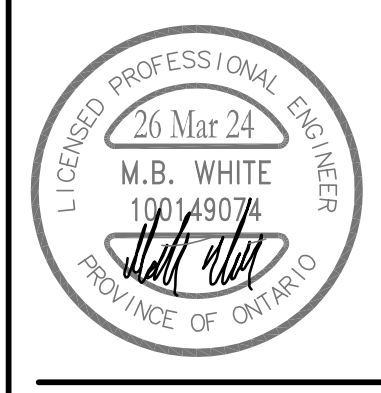
MECHANICAL ROOM PIPING SCHEMATIC  
 SCALE: N.T.S.

THIS WORK FOR THIS PROJECT SHALL BE CONSTRUCTED IN PHASES. REFER TO ARCHITECTURAL DRAWINGS FOR PHASING INFORMATION AND DETAILS. MISINTERPRETATION OF THE DRAWINGS WITH RESPECT TO THE EXTENT OF THE PHASING OF THE WORK SHALL NOT RELIEVE THE CONTRACTOR OF THE WORK REQUIRED TO COMPLETE THE ENTIRE CONTRACT.



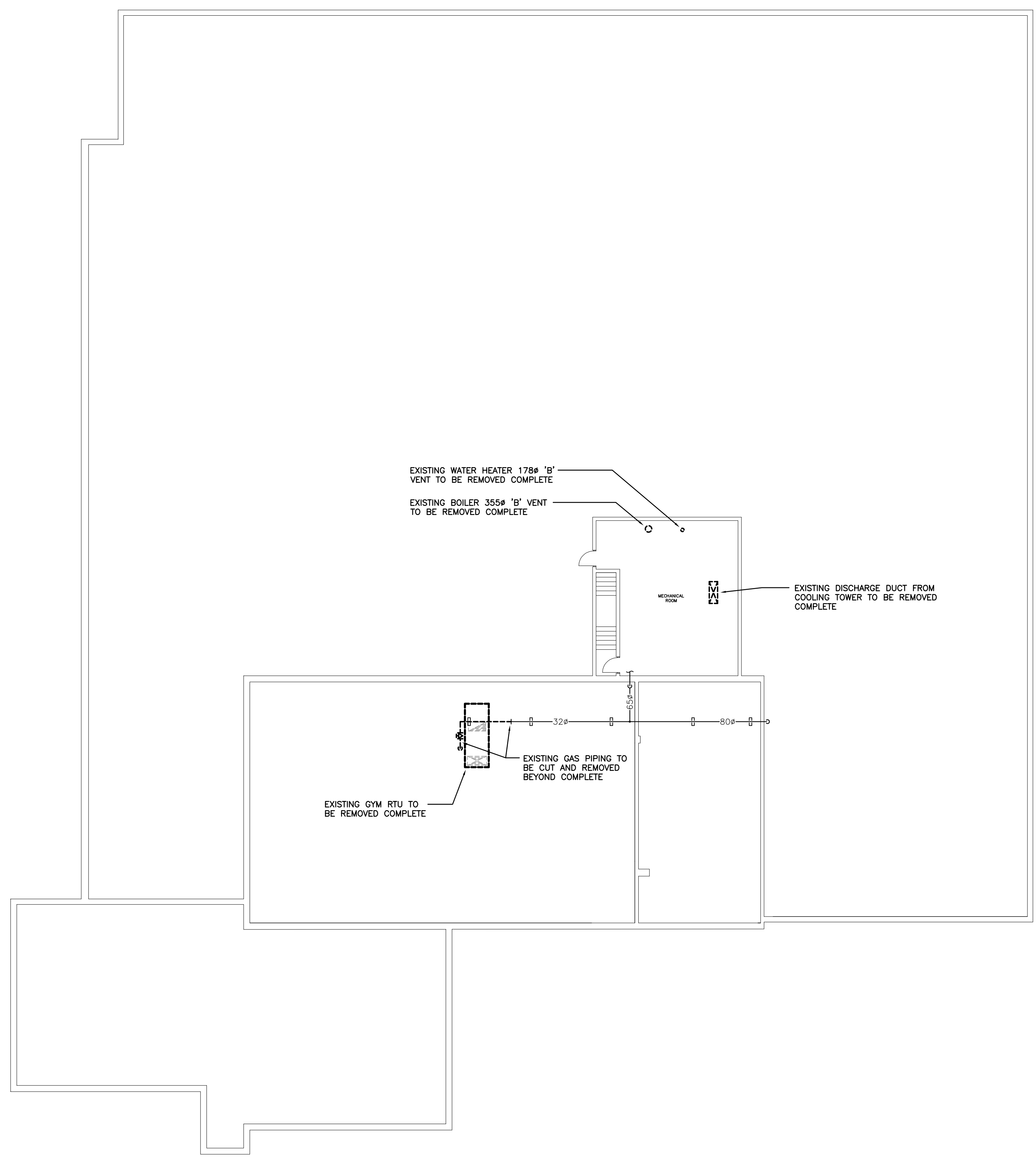
No.	Revisions	Date
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Drawing Title:  
**ROOF PLAN  
 PHASE 1  
 MECHANICAL DEMO**

Scale: AS NOTED	Date:
Drawn by: <b>DF</b>	Checked by: <b>MW</b>
Job No: <b>2325</b>	Drawing No. <b>M2.8</b>

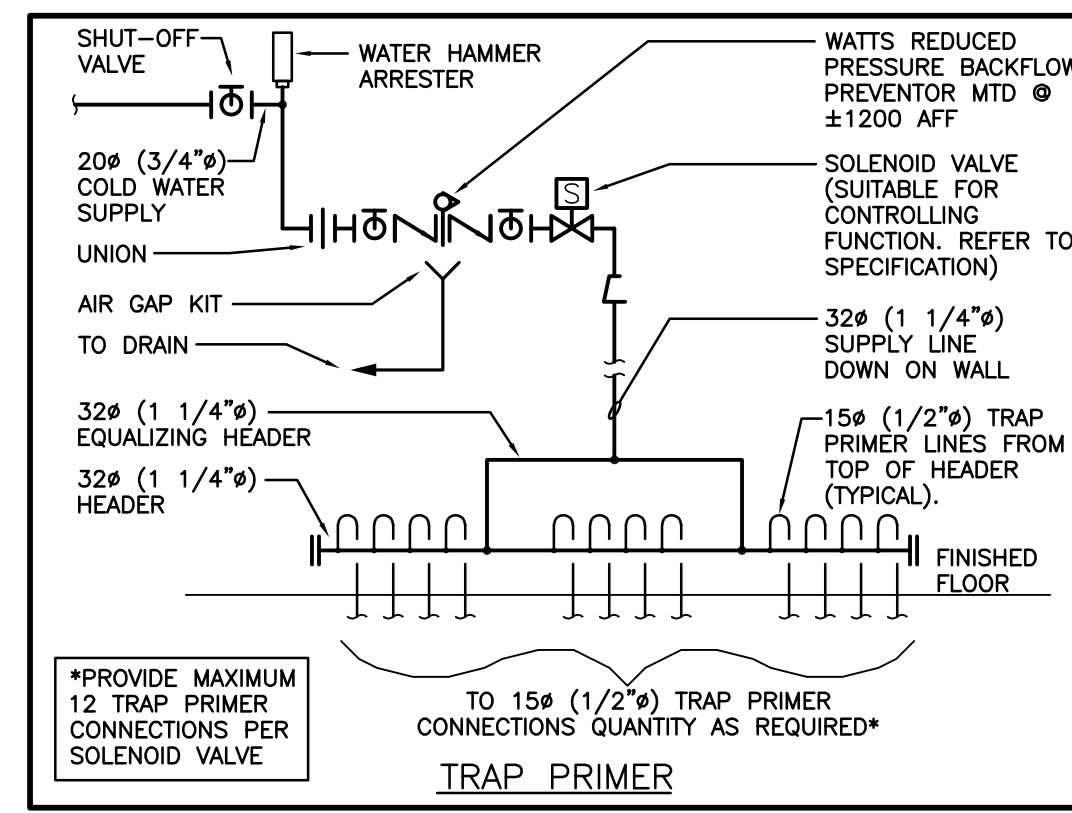


NOTE:  
 ALL MECHANICAL DRAWING LAYOUTS ARE ROTATED 90° CLOCKWISE TO THAT OF THE ARCHITECTURAL SETS

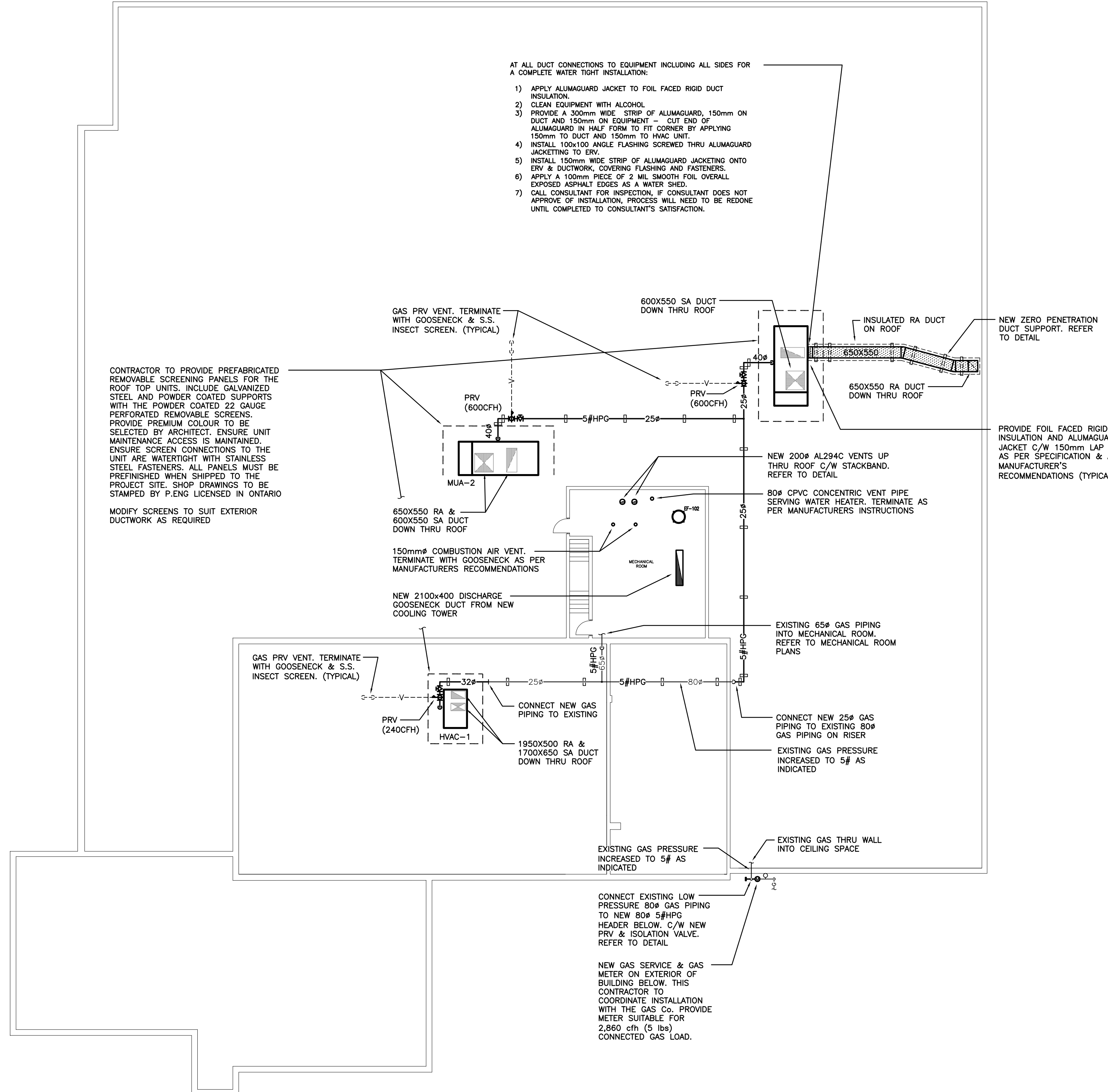
**ROOF PLAN — DEMOLITION**  
 SCALE: 1:150

**GENERAL NOTES**

- MAINTAIN MINIMUM 3700mm (12'-0") LATERAL DISTANCE BETWEEN SANITARY VENTS AND ALL AIR INTAKE/EXHAUST OPENINGS.
- MAINTAIN MINIMUM 3000mm (10'-0") LATERAL DISTANCE BETWEEN PRV, FUEL BRED APPLIANCE, AND/OR EXHAUST VENTS AND ALL AIR INTAKE/EXHAUST OPENINGS.
- ALL EQUIPMENT SHALL BE MINIMUM 3.0M FROM EDGE OF ROOF.
- MAINTAIN MINIMUM 7500mm (25'-0") FROM COOLING TOWER EXHAUST TO ANY INTAKE/MECHANICAL OPENING.



- AT ALL DUCT CONNECTIONS TO EQUIPMENT INCLUDING ALL SIDES FOR A COMPLETE WATER TIGHT INSTALLATION:
- 1) APPLY ALUMAGUARD JACKET TO FOIL FACED RIGID DUCT INSULATION.
  - 2) CLEAN EQUIPMENT WITH ALCOHOL.
  - 3) PROVIDE A 300mm WIDE STRIP OF ALUMAGUARD, 150mm ON DUCT AND 150mm ON EQUIPMENT - CUT END OF ALUMAGUARD IN HALF FORM TO FIT CORNER BY APPLYING 150mm TO DUCT AND 150mm TO HVAC UNIT.
  - 4) INSTALL 100x100 ANGLE FLASHING SCREWED THRU ALUMAGUARD JACKETING TO ERV.
  - 5) INSTALL 150mm WIDE STRIP OF ALUMAGUARD JACKETING ONTO ERV & DUCTWORK, COVERING FLASHING AND FASTENERS.
  - 6) APPLY A 100mm PIECE OF 2 MIL SMOOTH FOIL OVERALL EXPOSED ASPHALT EDGES AS A WATER SHED.
  - 7) CALL CONSULTANT FOR INSPECTION, IF CONSULTANT DOES NOT APPROVE OF INSTALLATION, PROCESS WILL NEED TO BE REDONE UNTIL COMPLETED TO CONSULTANT'S SATISFACTION.

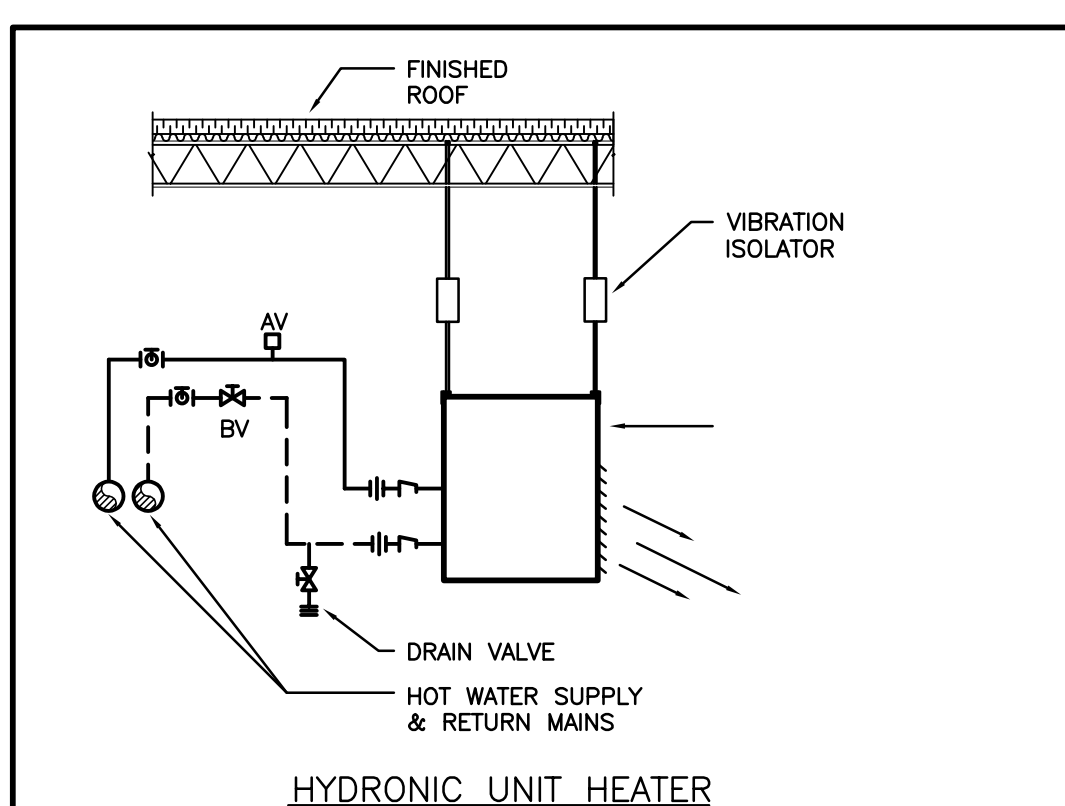
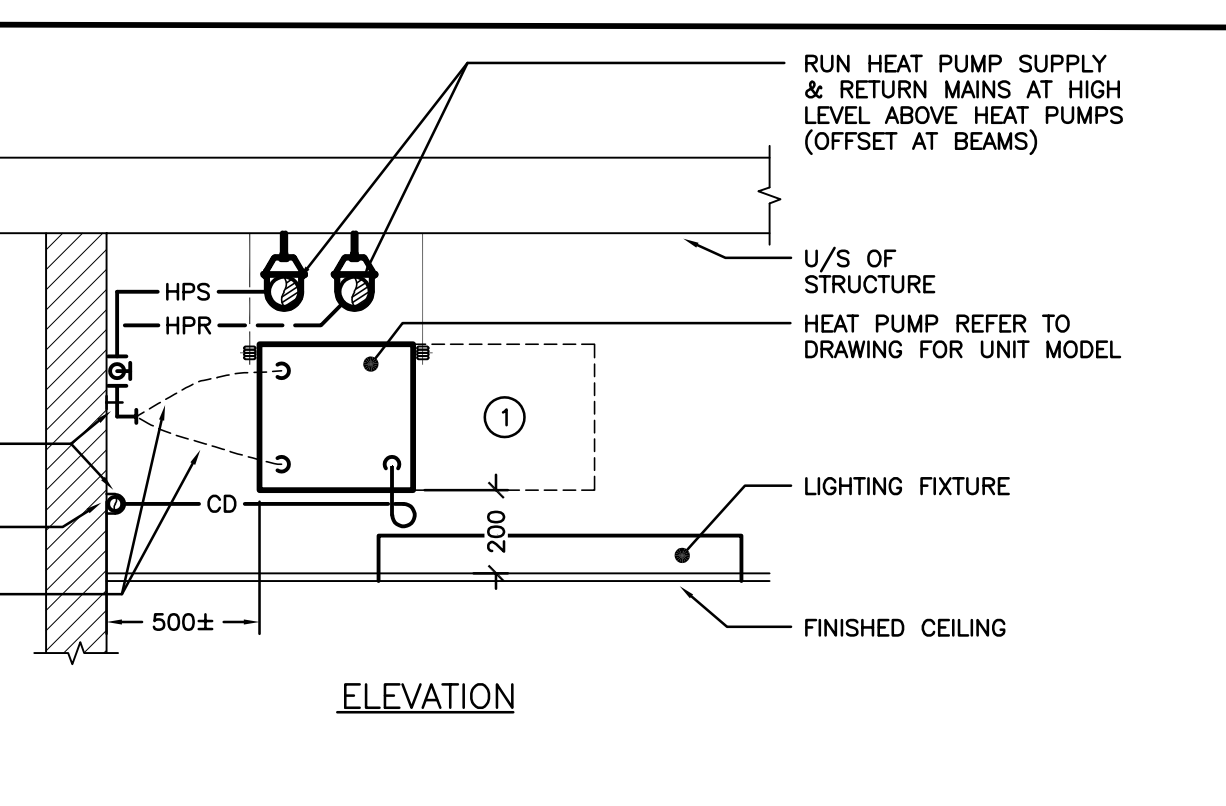
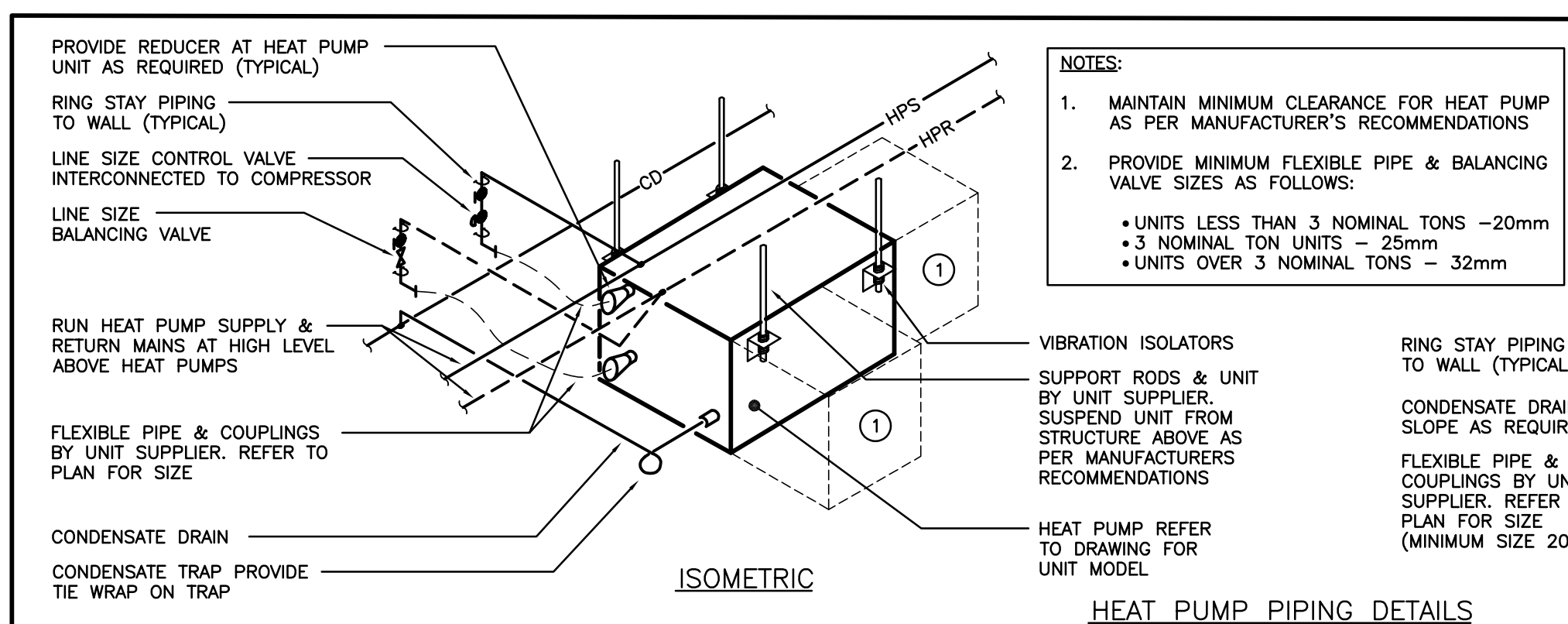
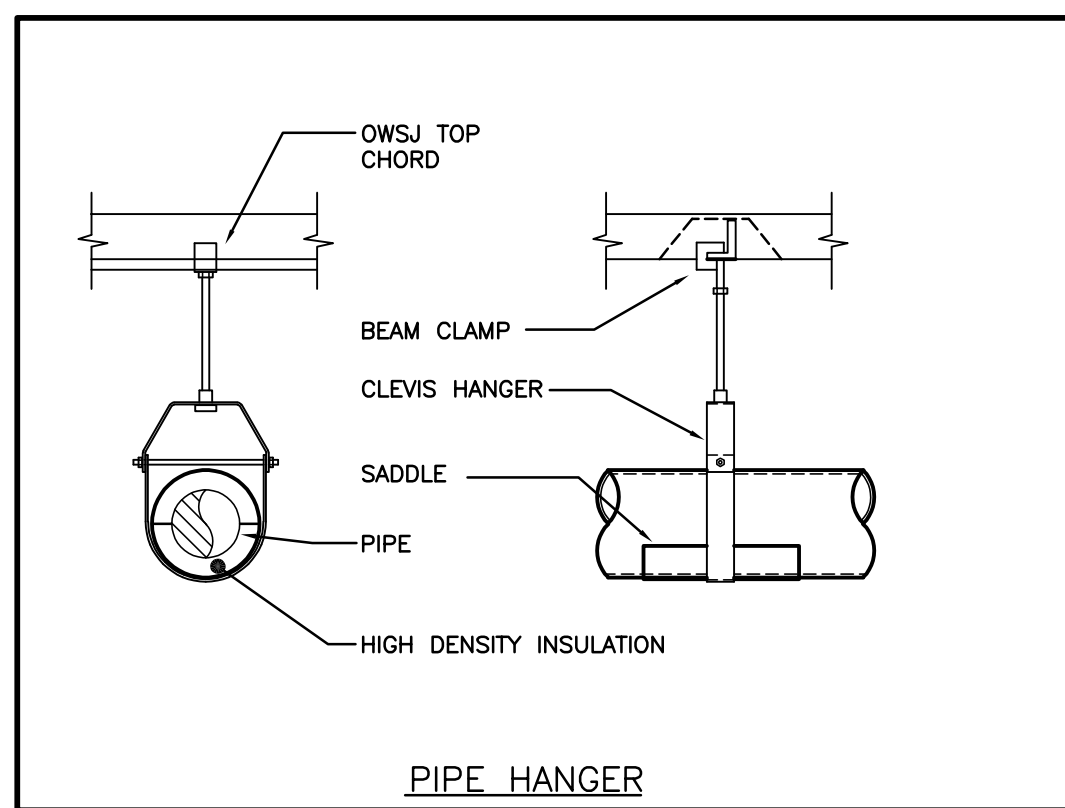
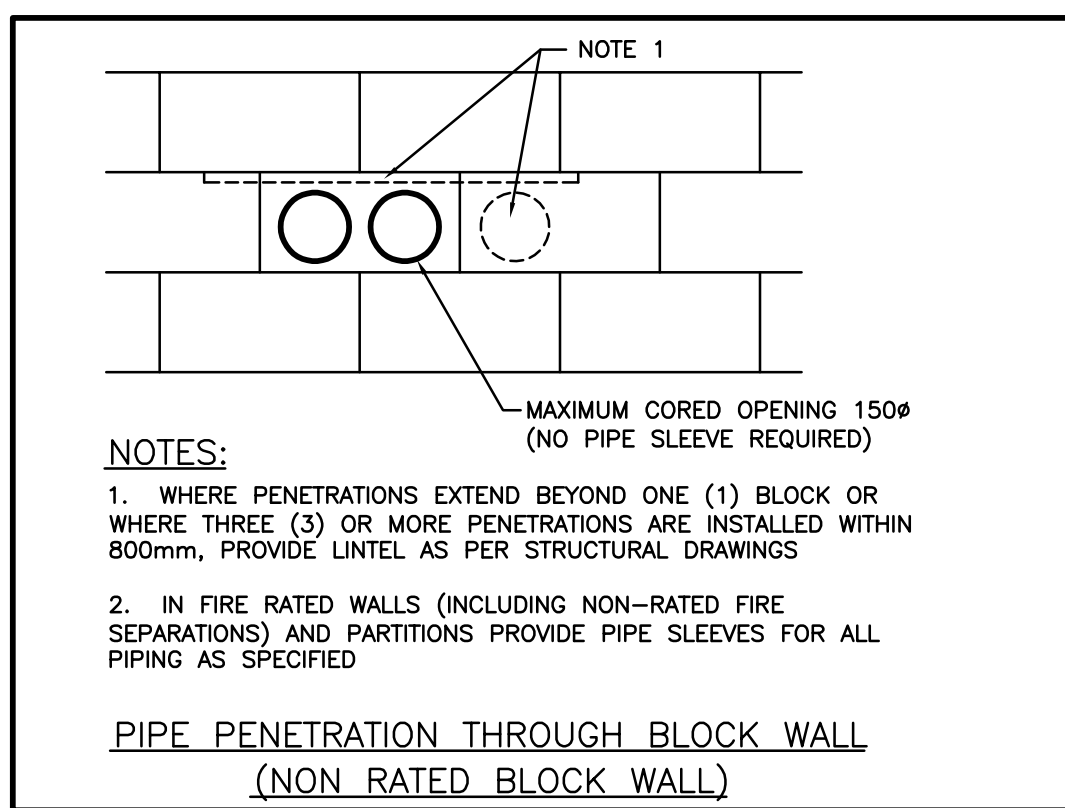
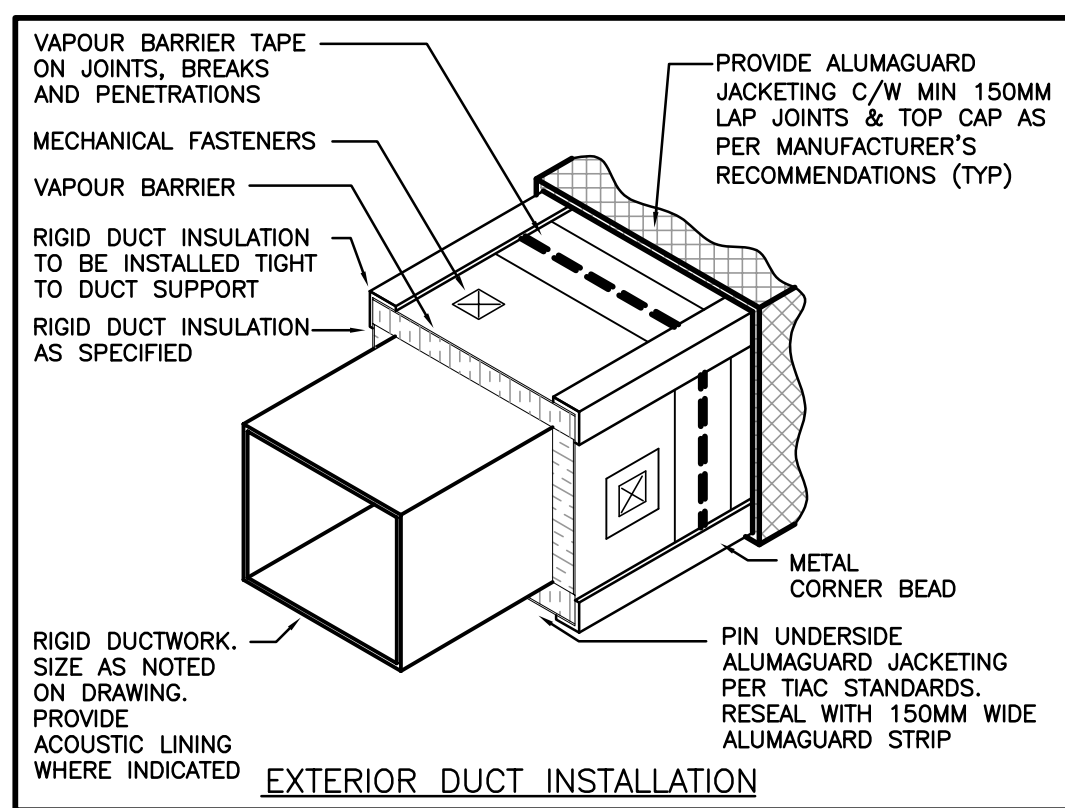
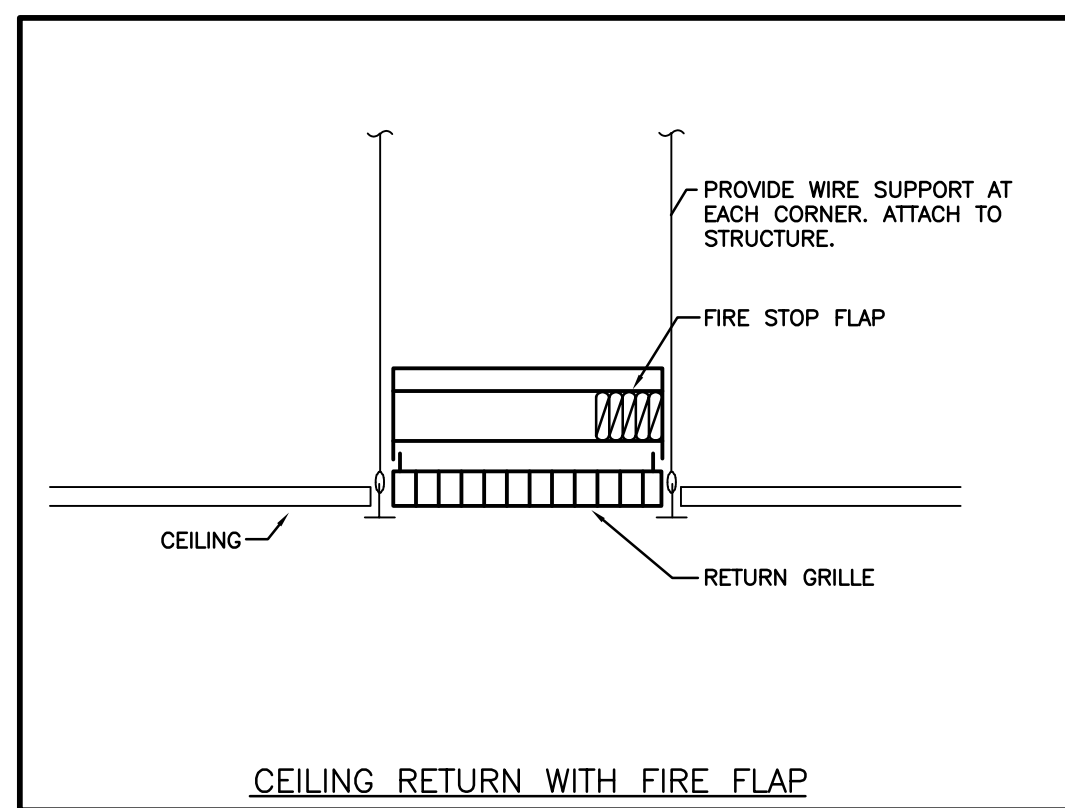
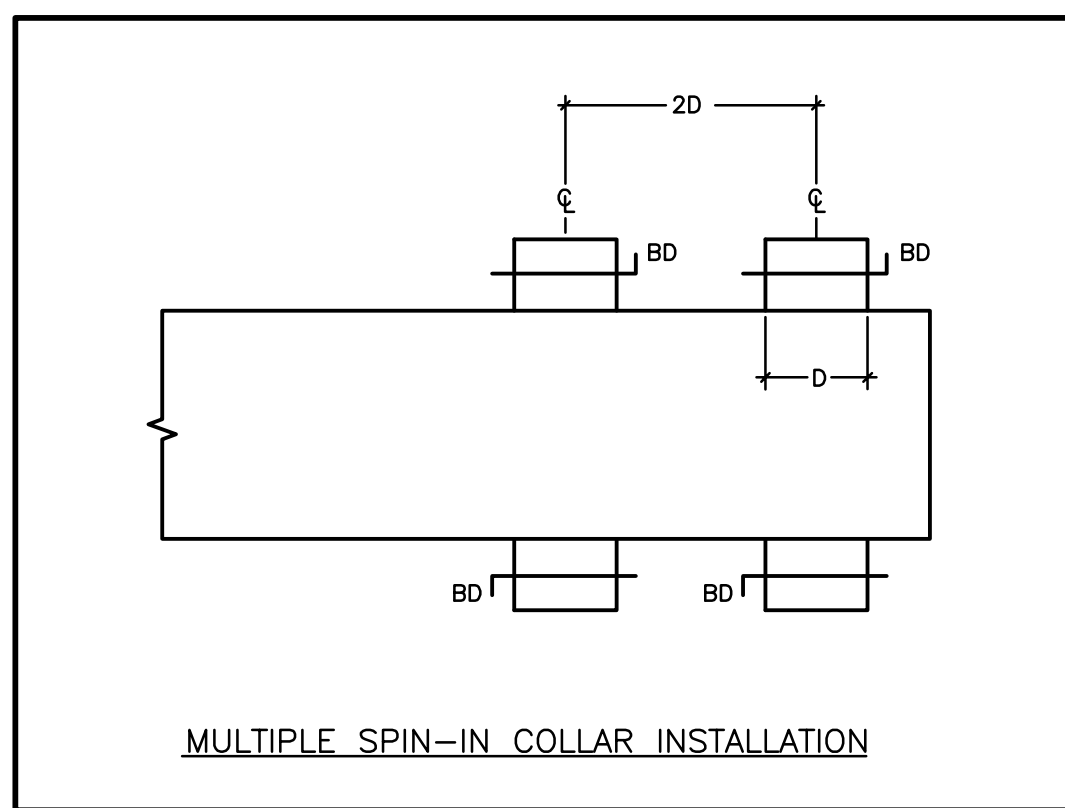
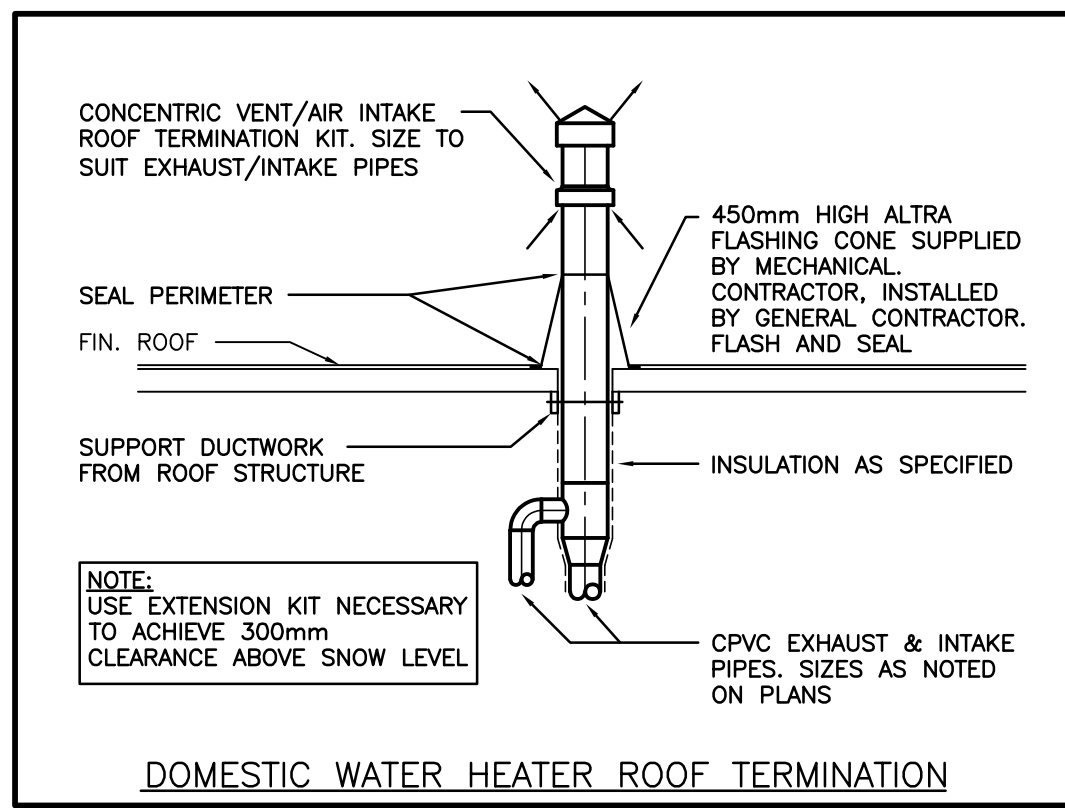
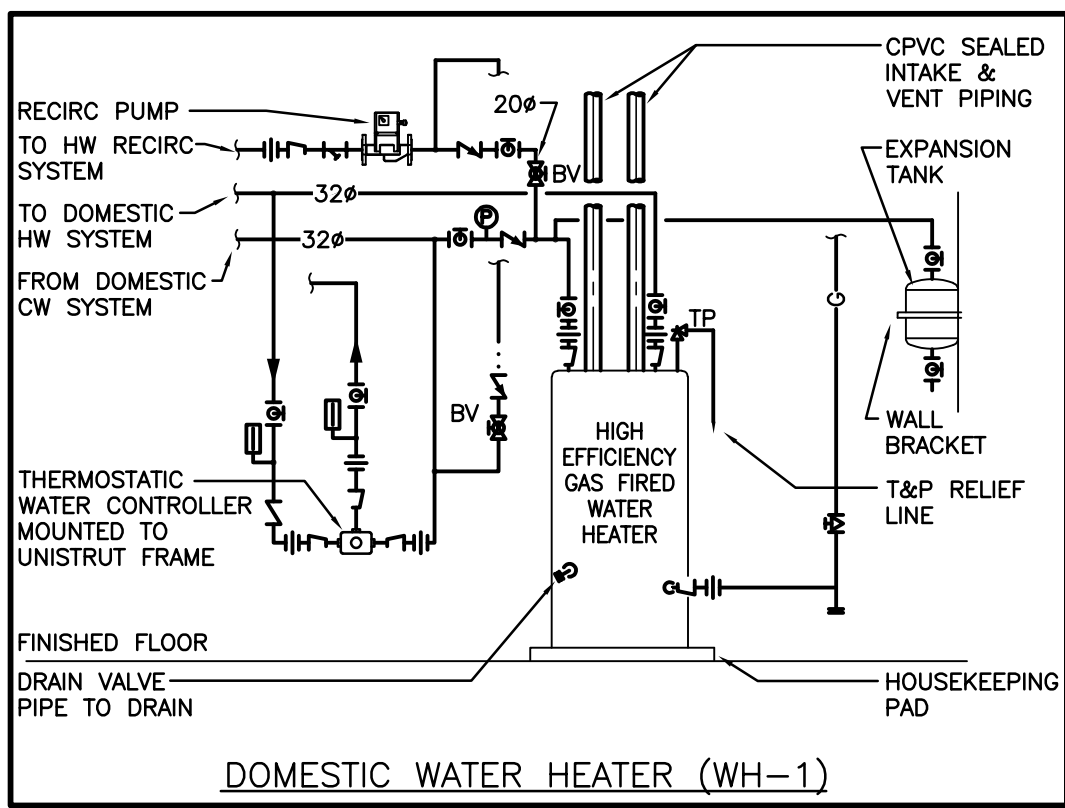
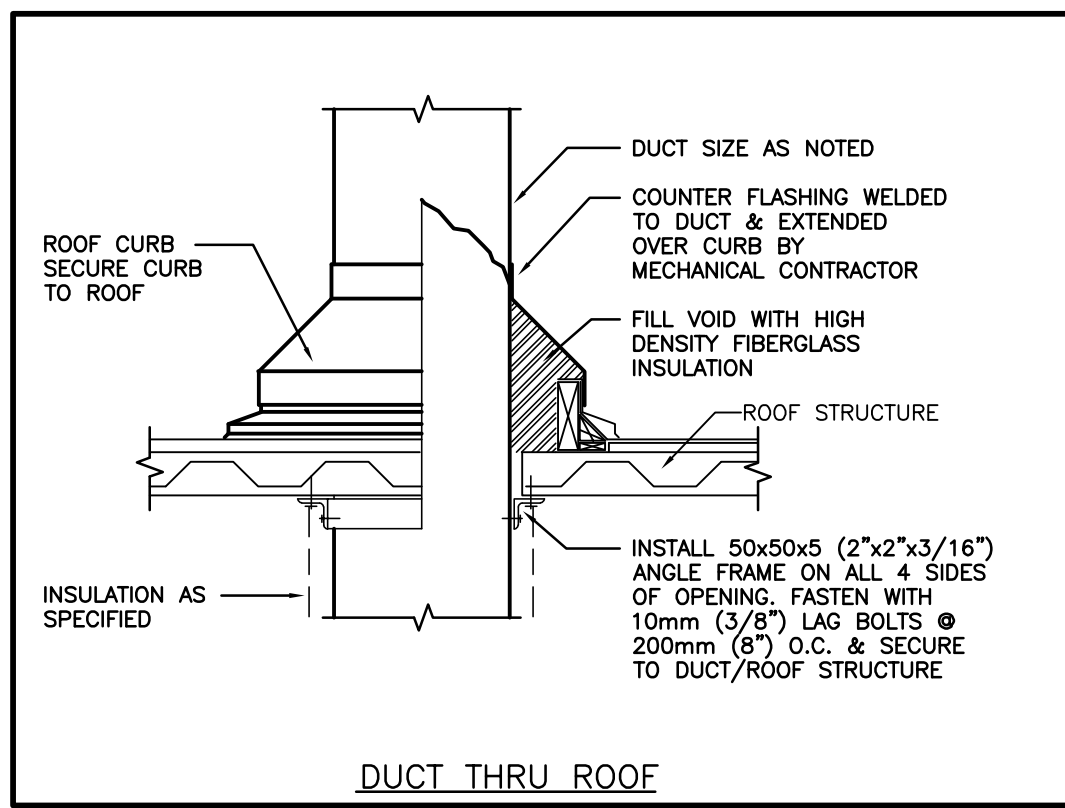
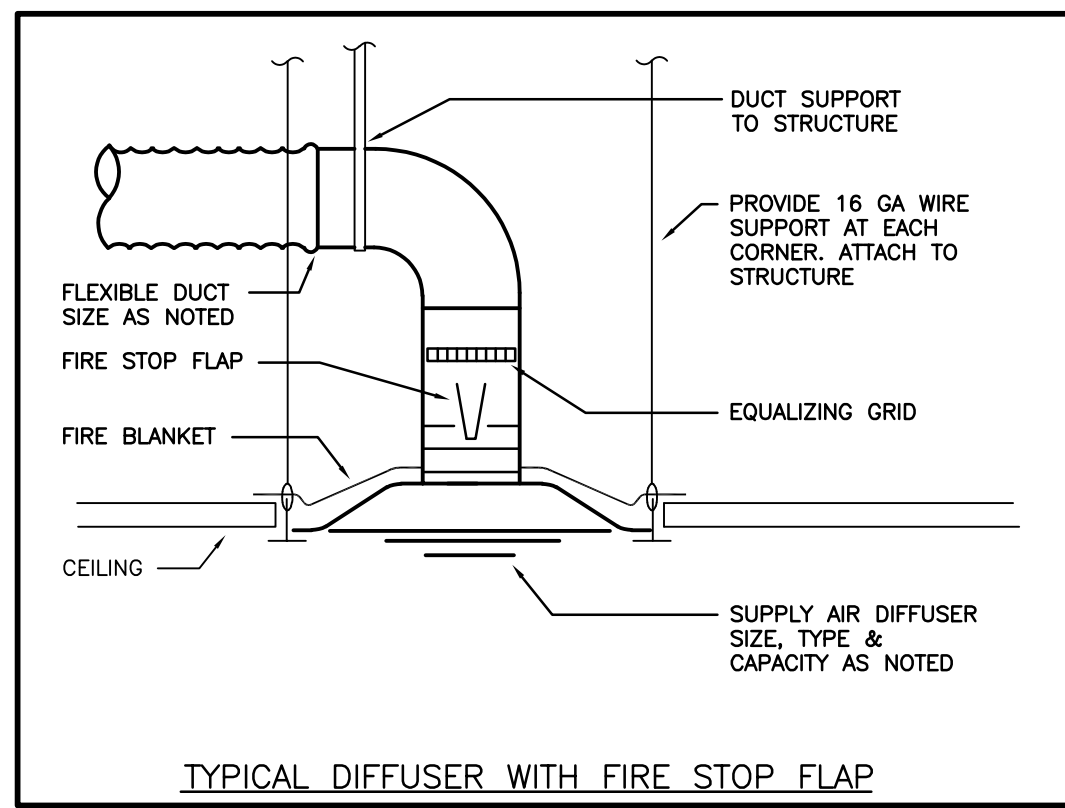
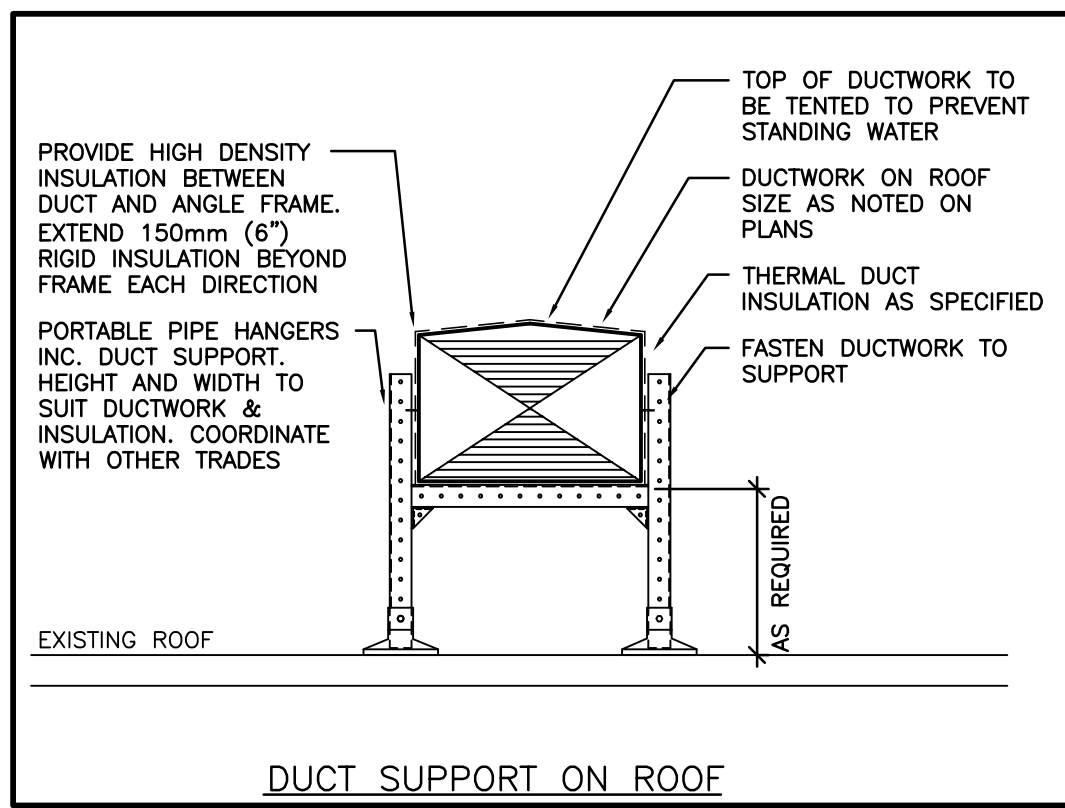
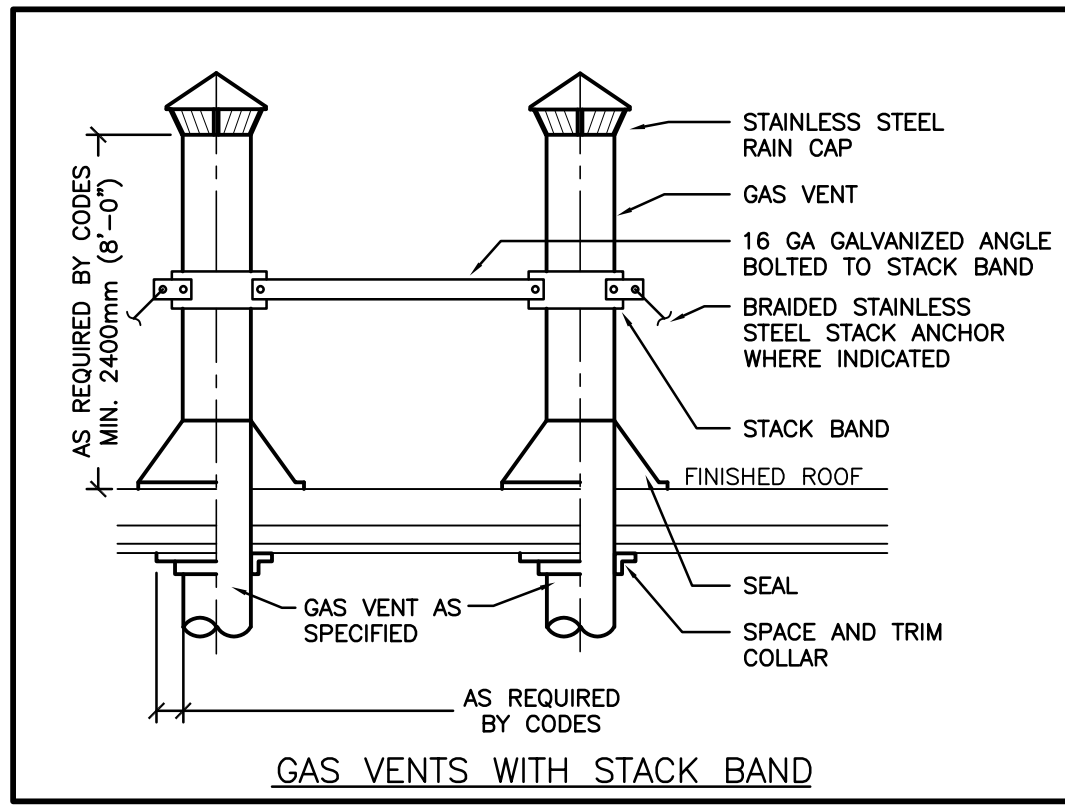
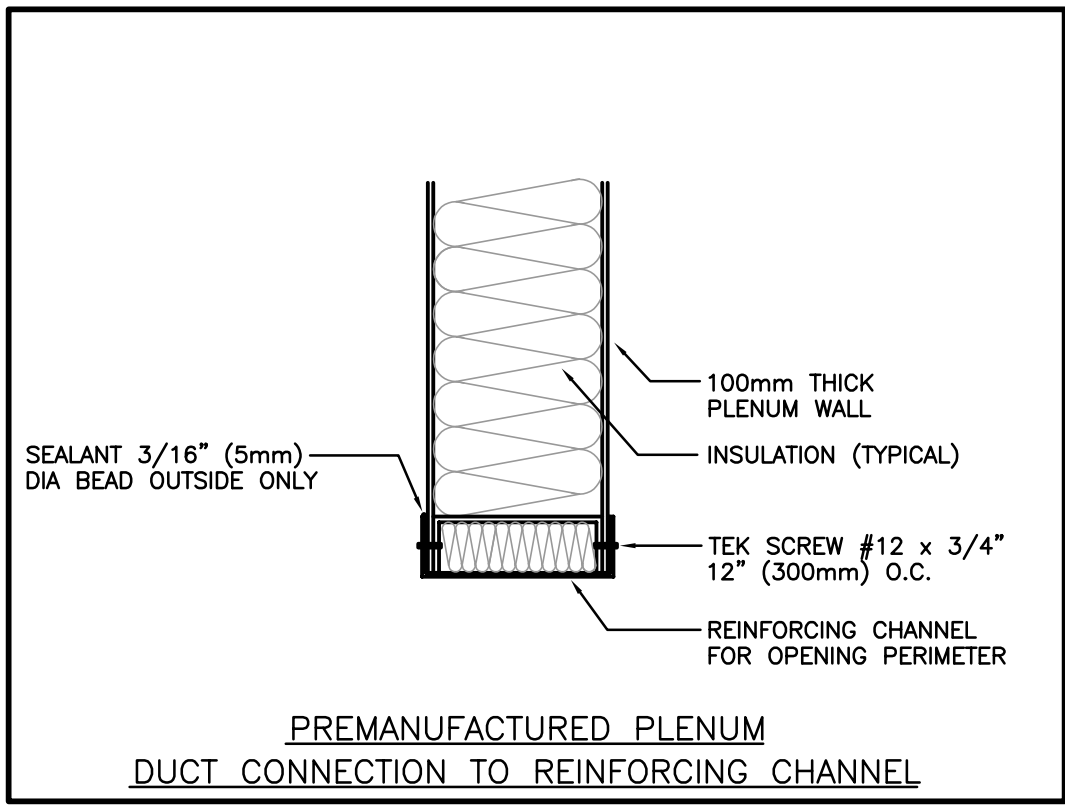
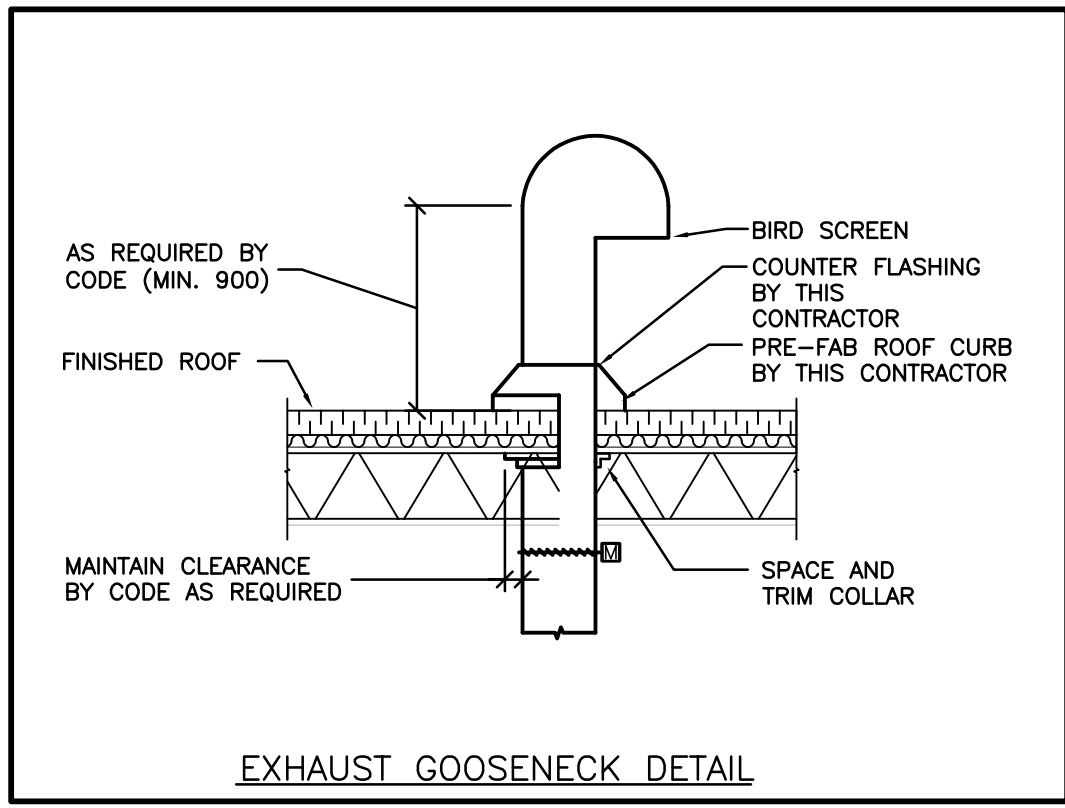
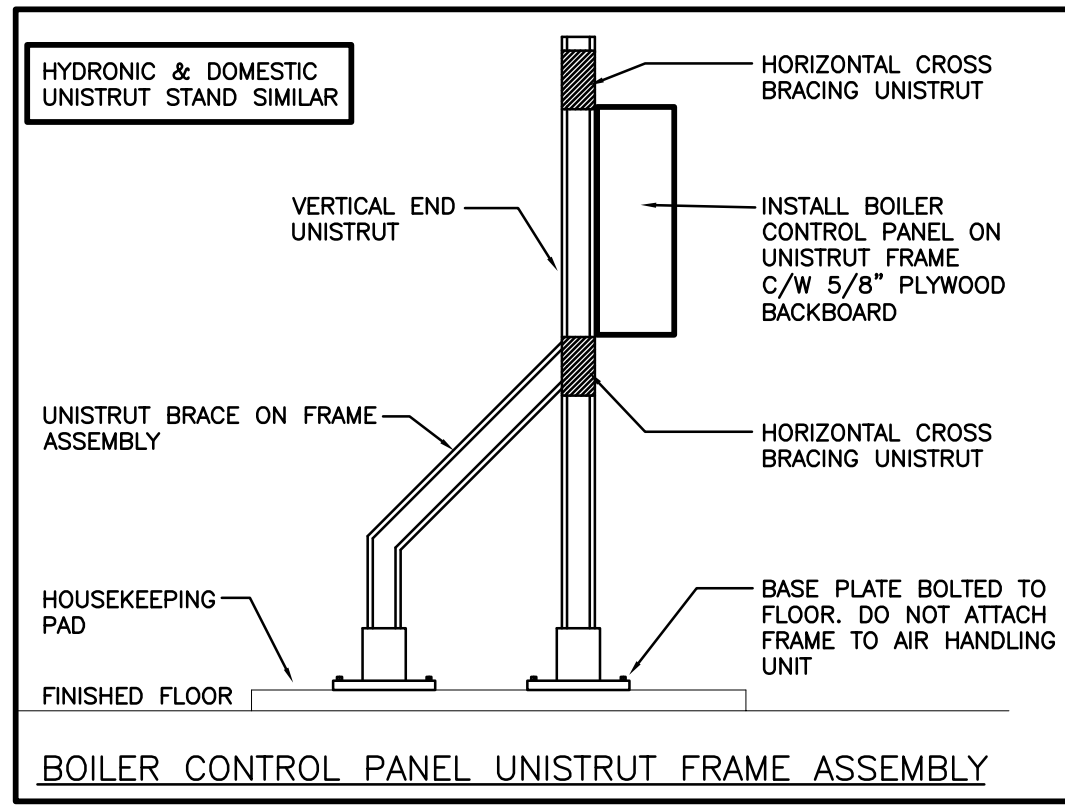
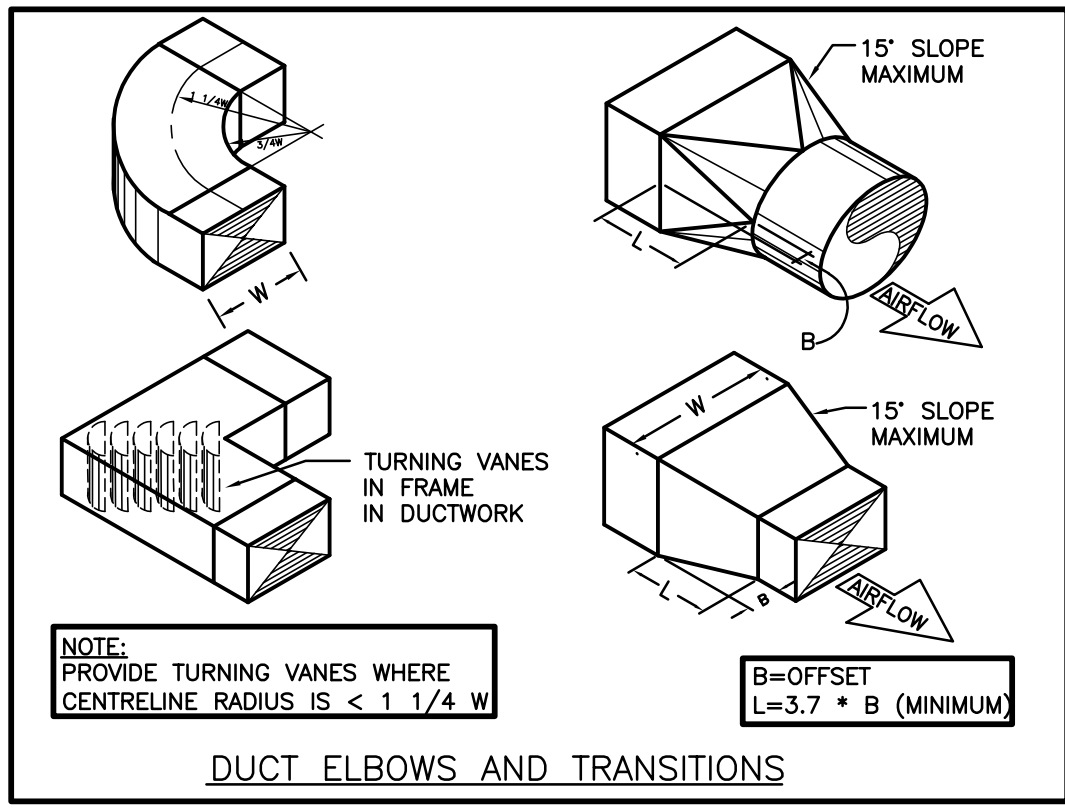
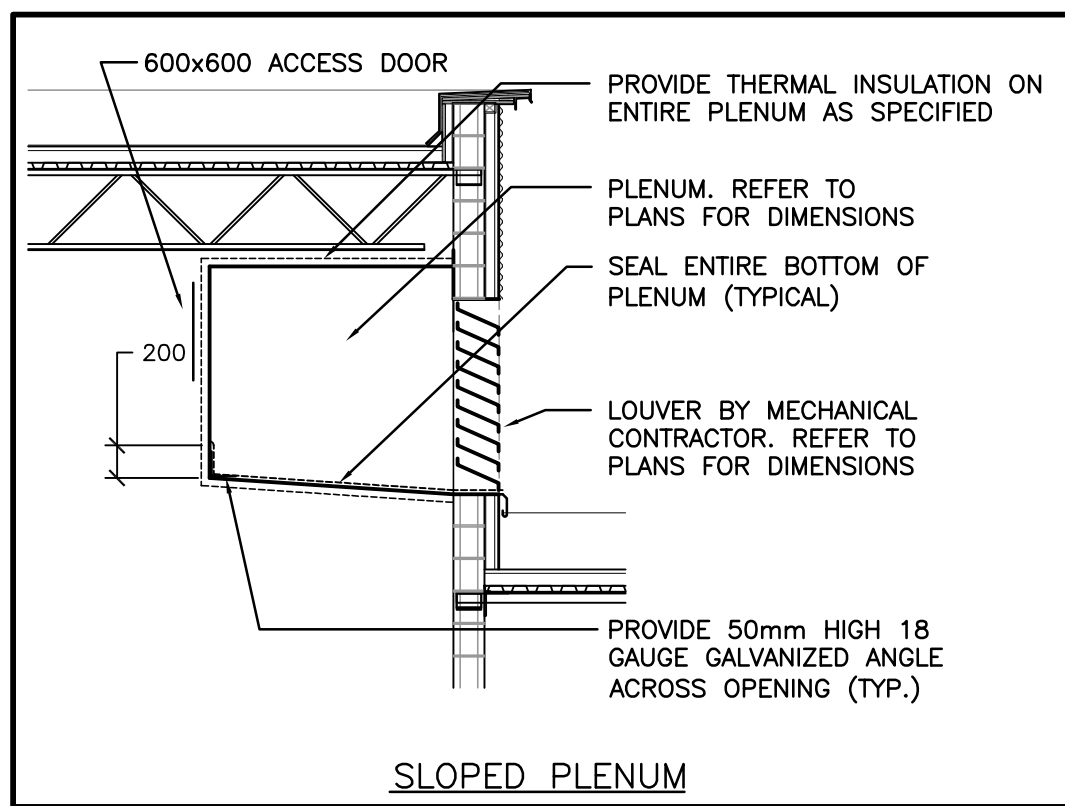
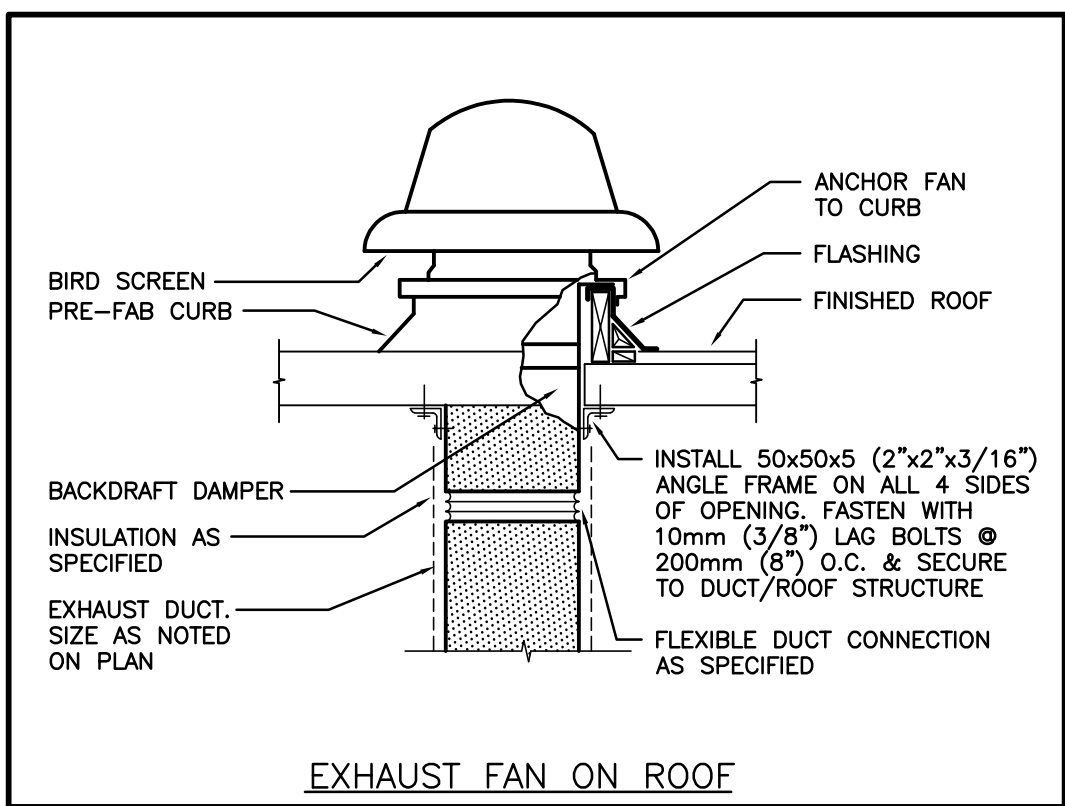
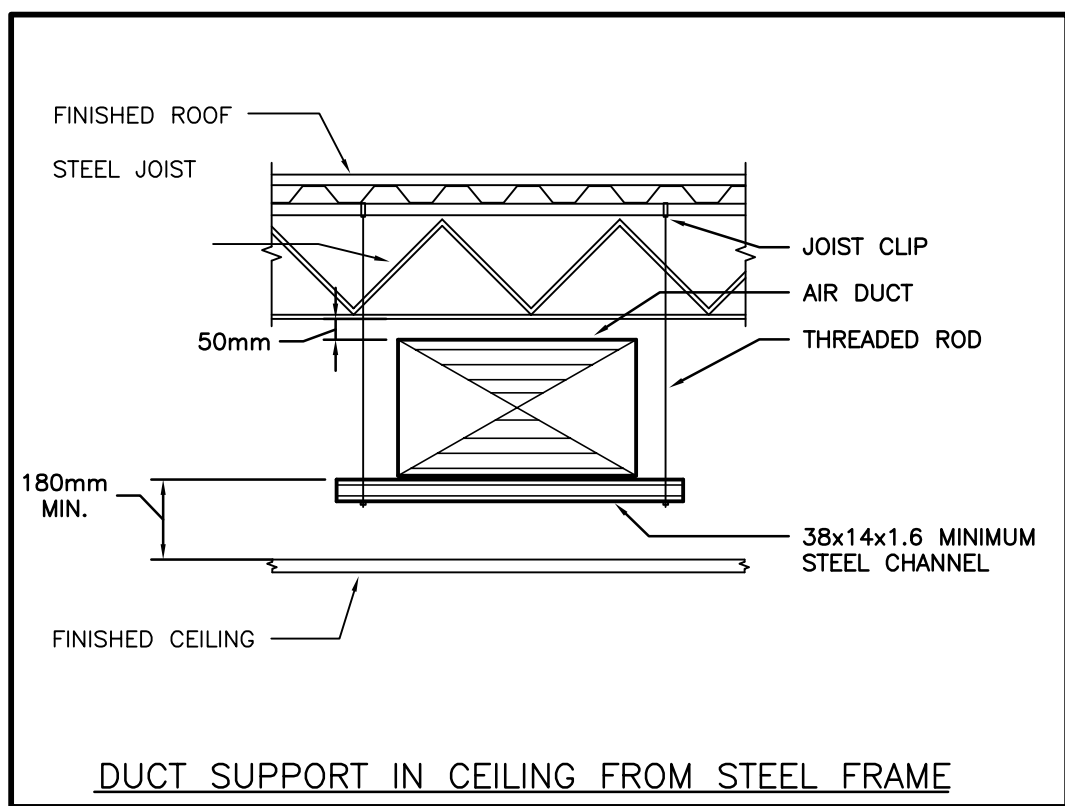
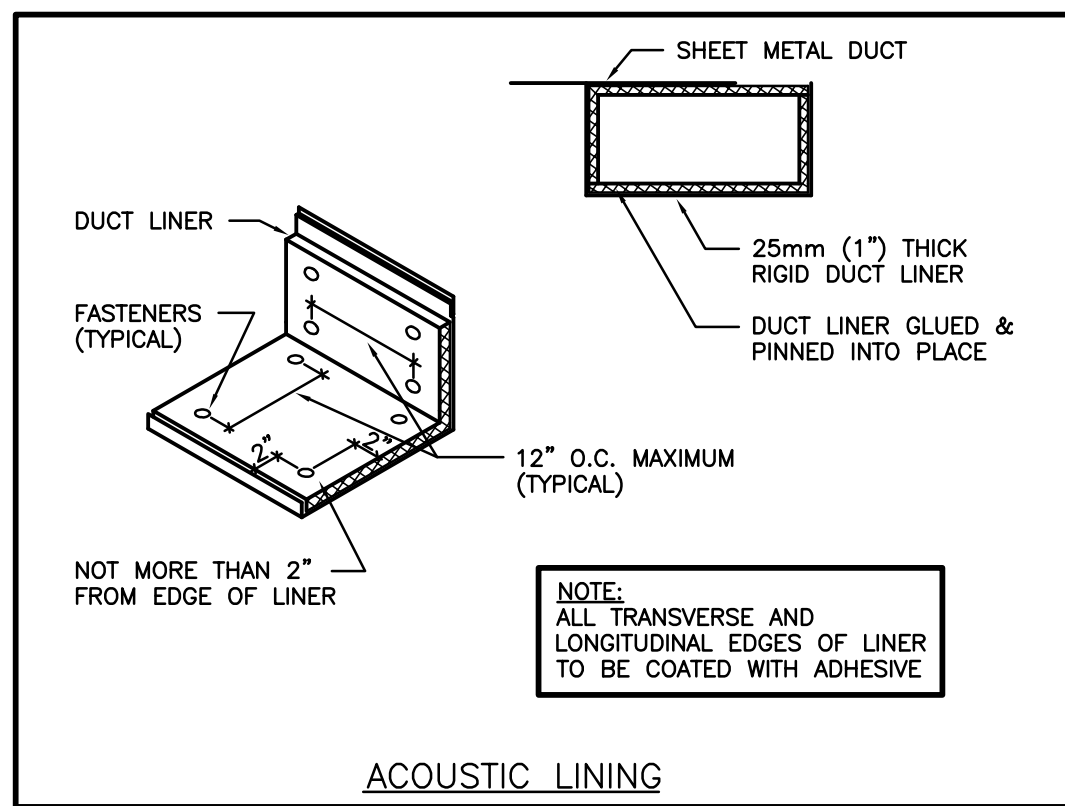
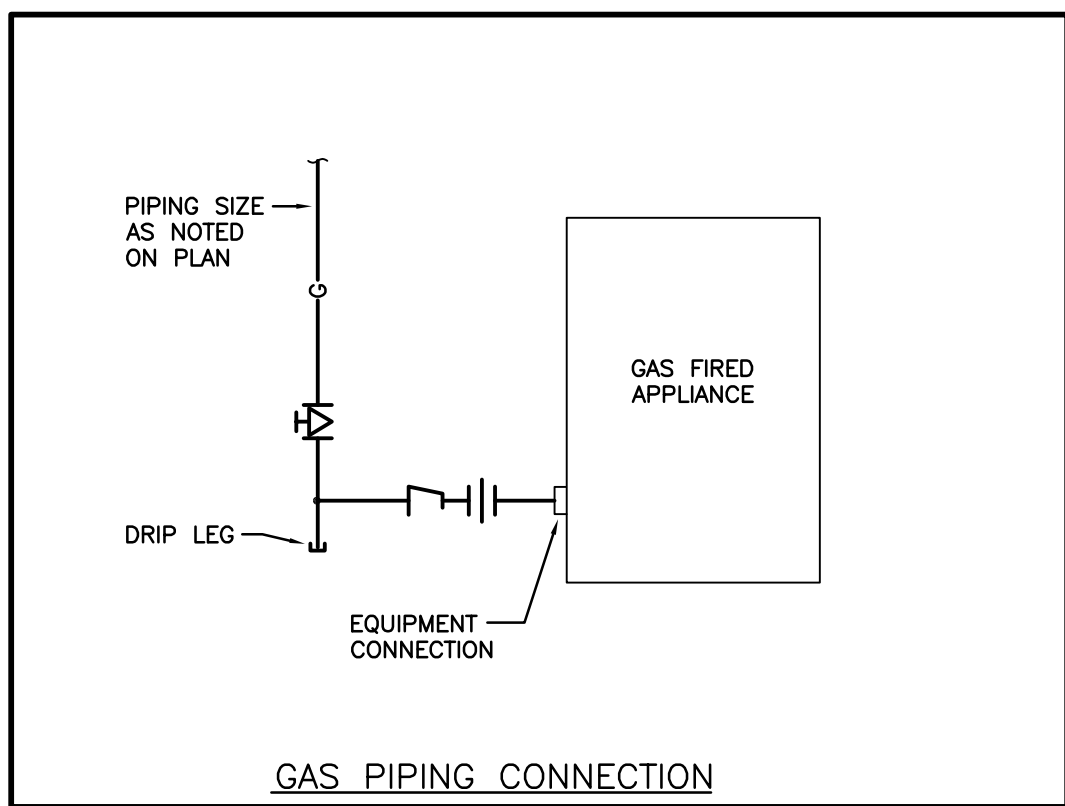


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No.	Revisions	Date
1	Issued for Coordination	2024-03-08
2	Issued for Coordination	2024-03-11
3	Issued for Bids & Building Permit	2024-03-26

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work. The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work. The drawings do not include all effects fitting and accessories which may be required. Provide the same to meet the required conditions. Drawings and specifications, etc., prepared and issued by the Consultant are the property of the Consultant and must be returned to the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant. Do not scale this drawing.  
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Scale: AS NOTED  
Date:  
Drawn by: **DF** Checked by: **MW**  
Job No. **2325** Drawing No. **M2.10**