

client / consultant logos

revisions

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issued

- ISSUED FOR 99% REVIEW 11/23/2018
- ISSUED FOR TENDER 12/11/2018
- ISSUED FOR TENDER UPDATE 01/15/2019
- RE-ISSUED FOR TENDER 03/15/2019

stamp / permit

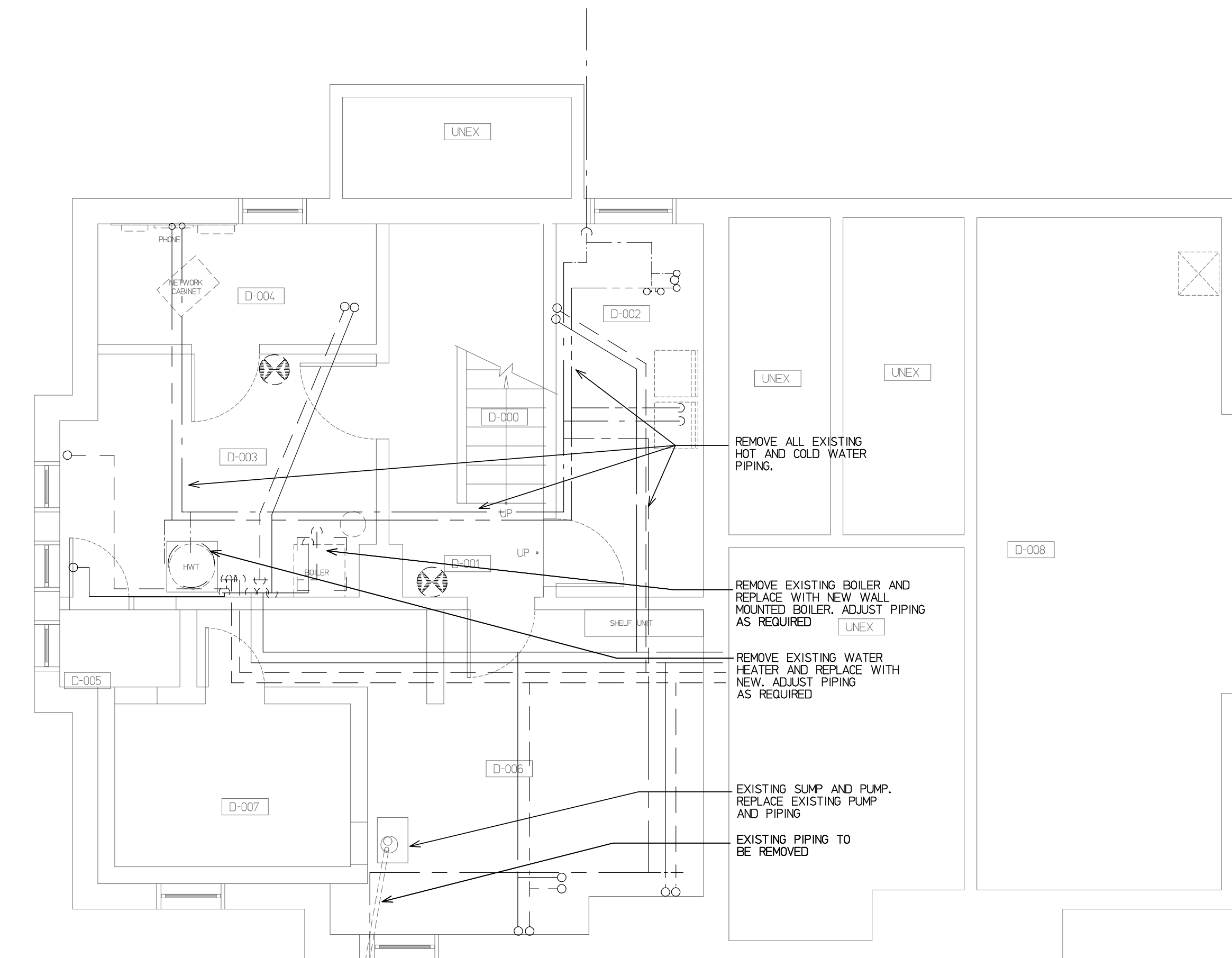
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project title  
**REHABILITATION OF HISTORIC GOVERNMENT OF CANADA BUILDINGS IN WATERTON**

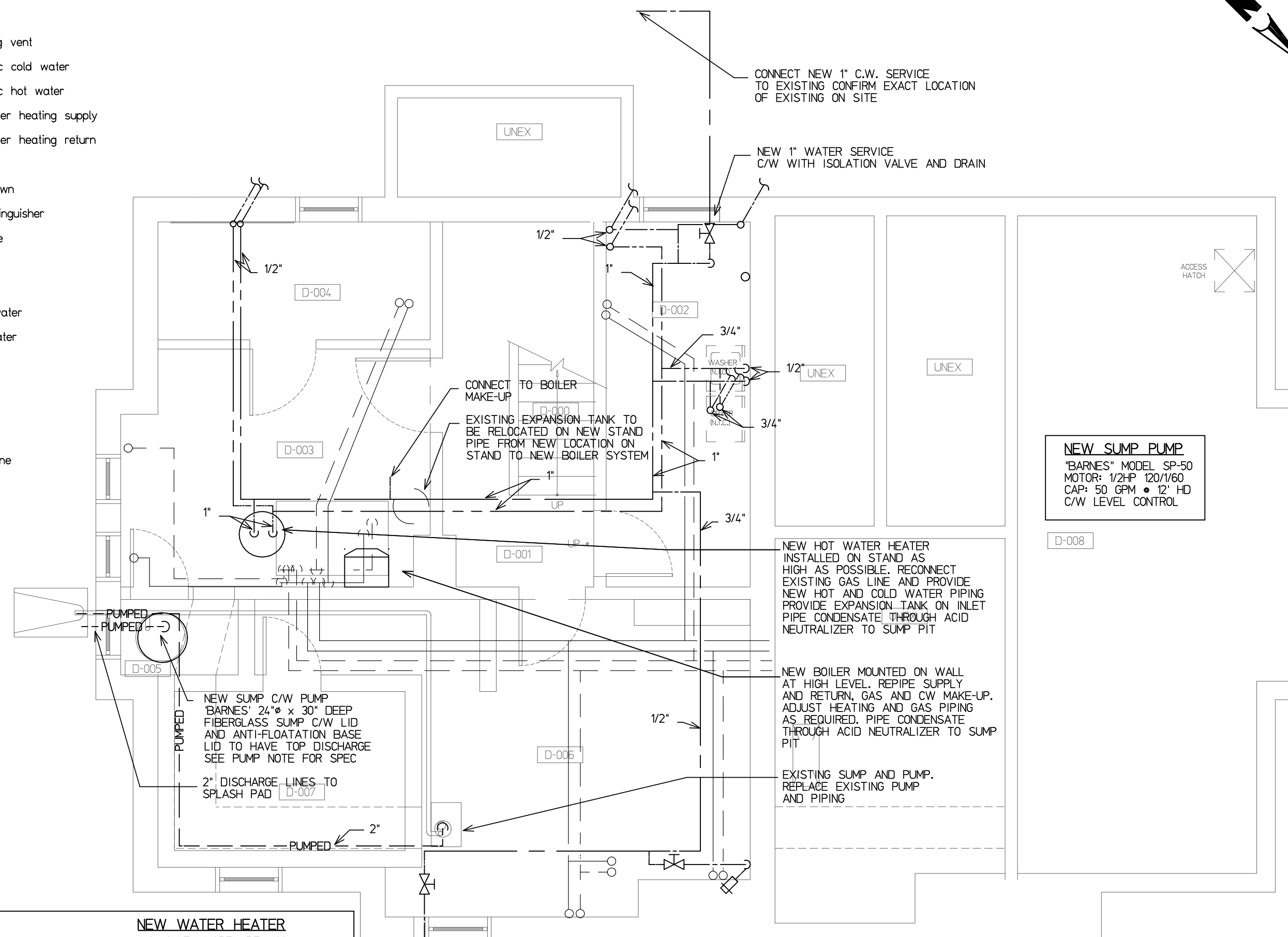
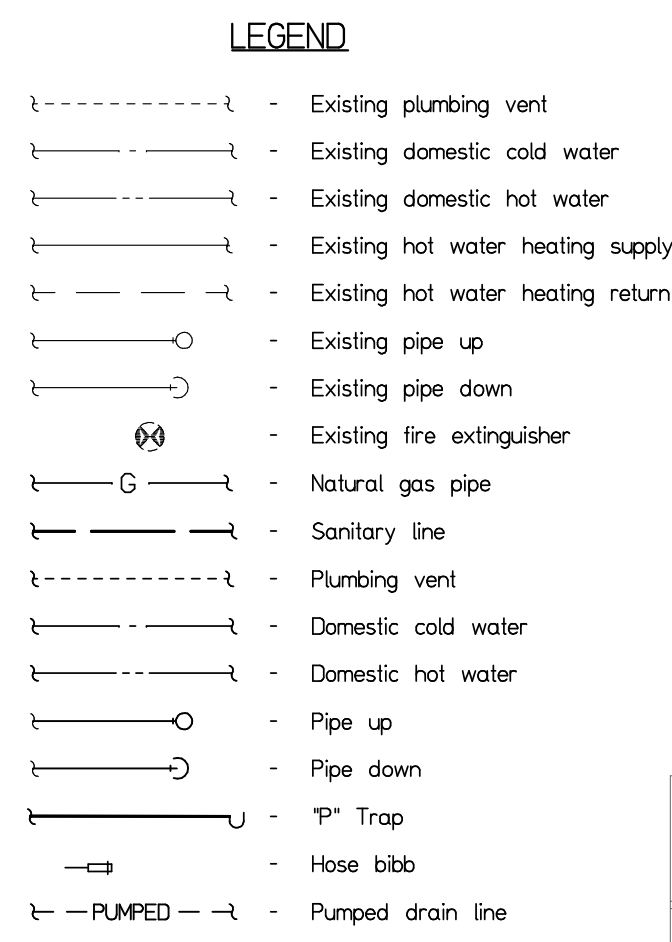
drawing title  
**MAIN BUILDING BASEMENT FLOOR PLAN MECHANICAL**

drawing info  
drawn D.B. D.L.  
date JULY 2018  
scale NOTED  
checked S.E.M.

drawing number  
**M-1**



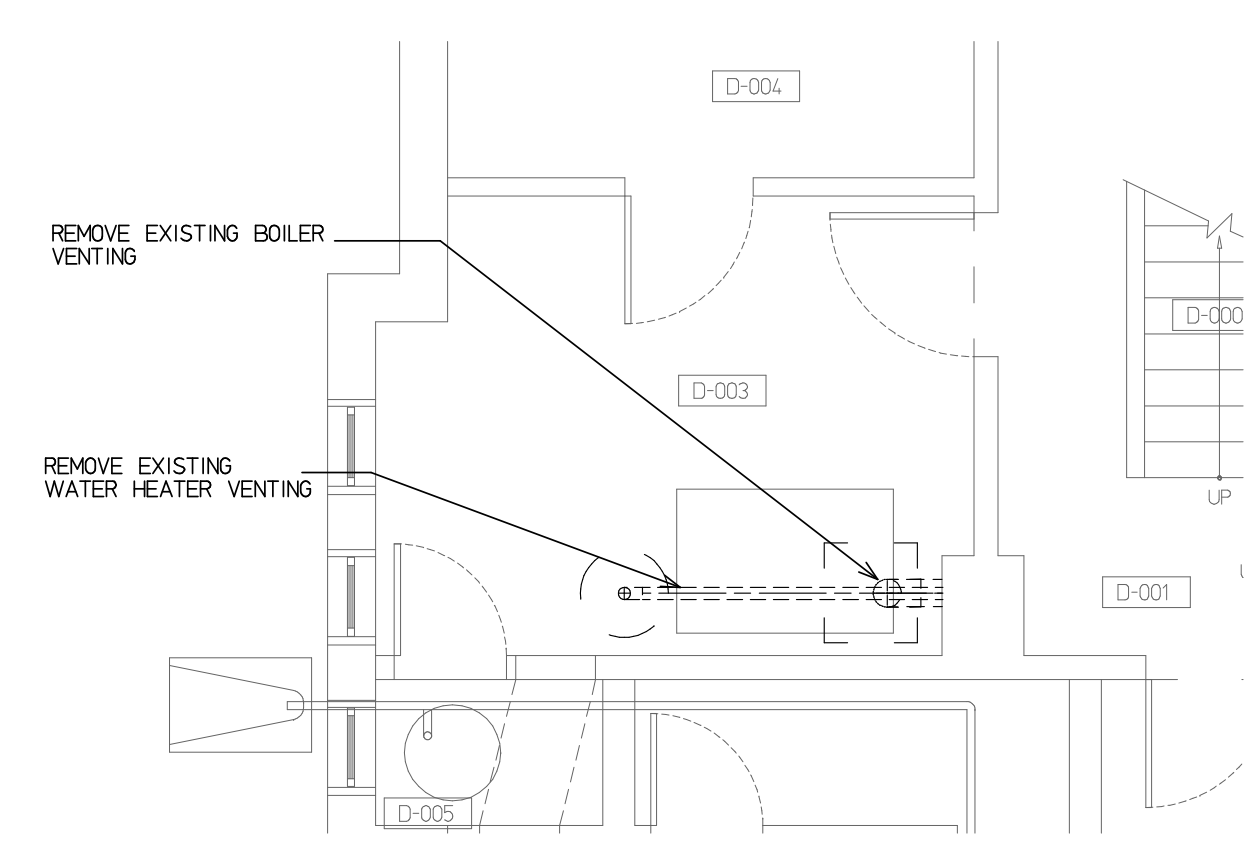
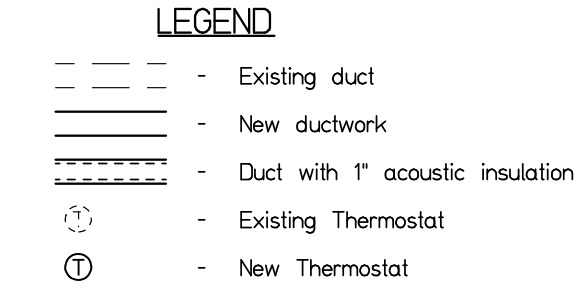
**BASEMENT FLOOR PLAN - PLUMBING DEMOLITION**  
SCALE - 1/4" = 1'-0"



**BASEMENT FLOOR PLAN - PLUMBING NEW**  
SCALE - 1/4" = 1'-0"

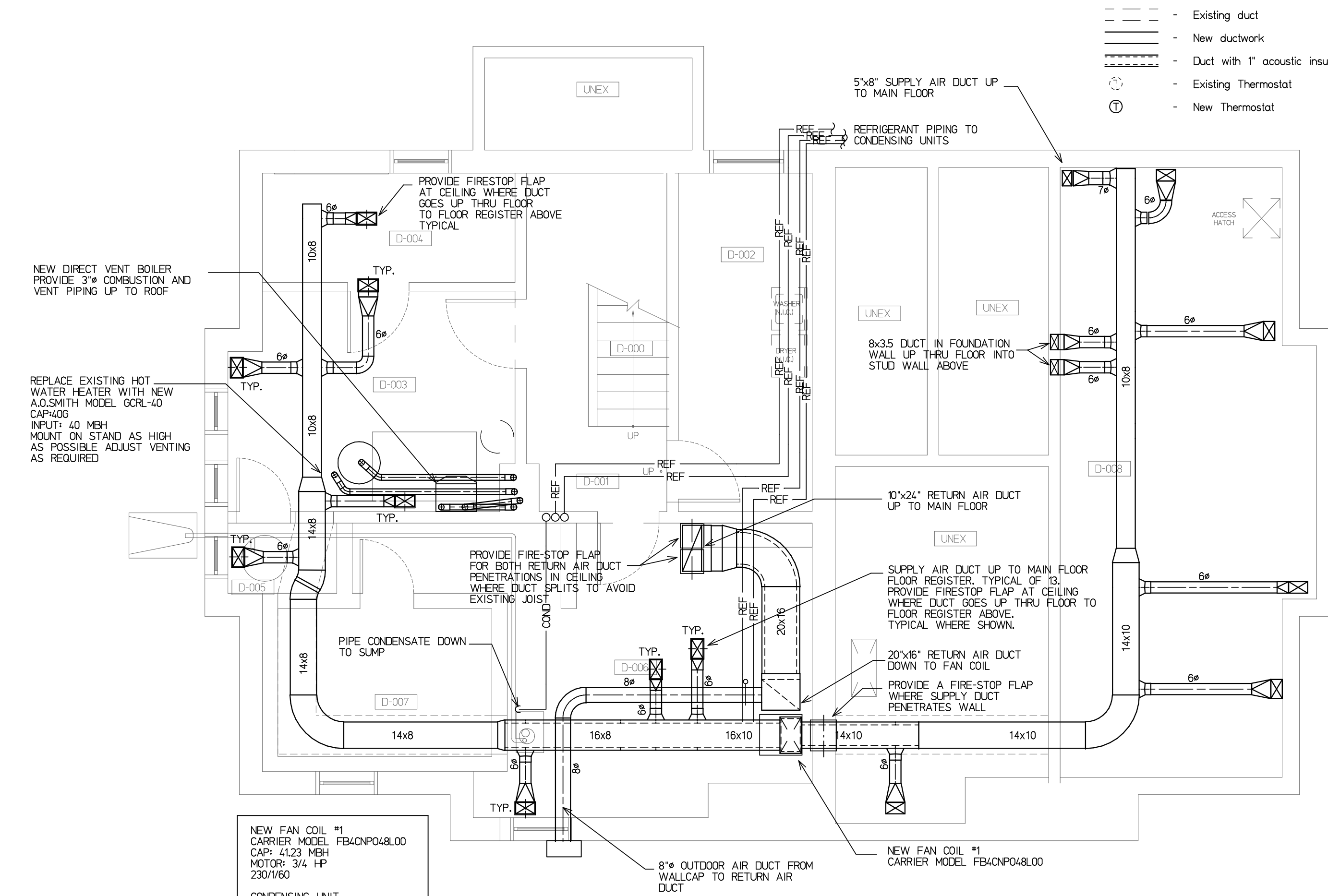
**NEW BOILER**  
TRINITY FTF285  
HIGH EFFICIENCY GAS FIRED BOILER  
INPUT: 220KBTU/H  
C/W INDOOR/OUTDOOR CONTROLS AND CONDENSATE NEUTRALIZER DRAIN.  
HANG ON WALL AT HIGH LEVEL.

**NEW WATER HEATER**  
A.O. SMITH MODEL BTX-100  
HIGH EFFICIENCY DIRECT VENTED WATER HEATER  
INPUT: 100KBTU/H  
RECOVERY: 15 GPH  
C/W INDOOR/OUTDOOR CONTROLS AND CONDENSATE NEUTRALIZER.  
HANG ON WALL AT HIGH LEVEL.



**BASEMENT FLOOR PLAN - SHEET METAL DEMOLITION**  
SCALE - 1/4" = 1'-0"

- NOTES:**
1. Before submitting his tender the mechanical contractor shall examine the site and all existing conditions affecting the work under this contract. The contractor shall investigate and allow for cost of services to be provided under this contract and satisfy himself/herself that he can supply and install all the services without any additional charges after award of contract.
  2. All materials and installations to meet the latest requirements of the Alberta Building Code, the local authority having jurisdiction, and the National Plumbing Code of Canada.
  3. Air conditioning system to be balanced to air quantities shown and a report submitted to the engineer.
  4. Contractor to provide "As-built" drawings to the building owner upon completion of the project.
  5. Contractor to give all necessary notices, obtain all permits and pay all fees in order that the work may be carried out.
  6. At completion of work, provide a final certificate of inspection as evidence that all work installed conforms with the laws and regulations of all authorities having jurisdiction.
  7. All equipment and systems shall be tested for proper, suitable operation and to the satisfaction of the Engineers, owner and all authorities having jurisdiction. Any corrections, retesting, etc. as required to complete systems shall be done at no expense to the owner.
  8. Contractor to clean and recalibrate all existing thermostats and any missing or damaged thermostats to be replaced.
  9. Exact routing of new duct systems to be coordinated on site to prevent conflict with existing ducts, piping, electrical, beams and joists.
  10. Exhaust ducts to be insulated from outside to 7'-0" inside building.
  11. All duct runouts to be provided with balance damper at take-off.
  12. Sealing tape shall not be used as the primary sealant for air-handling ducts and plenums.



**BASEMENT FLOOR PLAN - SHEET METAL**  
SCALE - 1/4" = 1'-0"

**NEW FAN COIL #1**  
CARRIER MODEL FB40NPO48L00  
CAP: 423 MEB  
MOTOR: 3/4 HP  
230/160  
**CONDENSING UNIT**  
CARRIER MODEL 24ACE348AD0  
230/160

client / consultant logos

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stamp / permit

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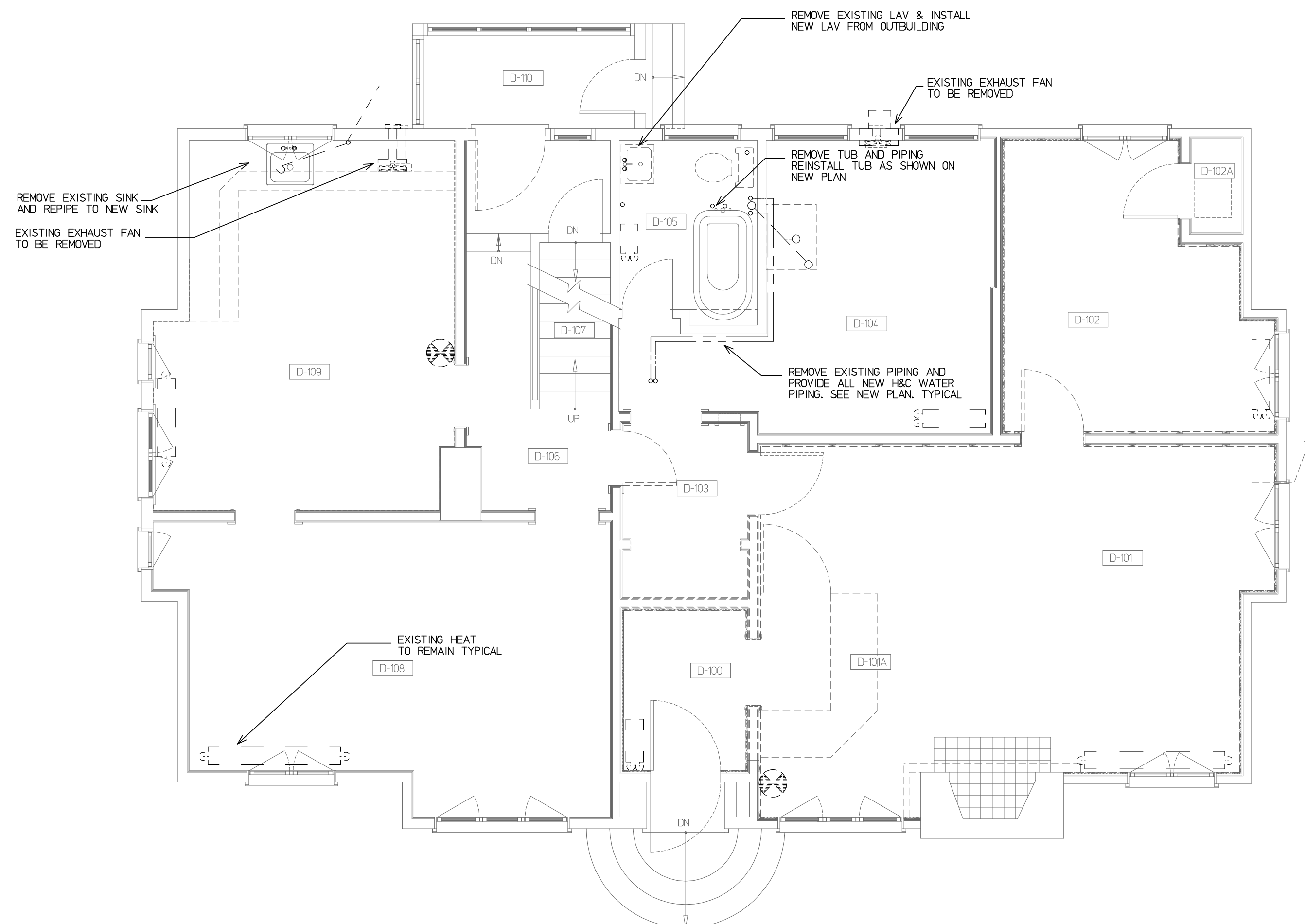
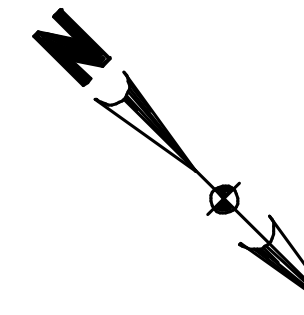
project title  
REHABILITATION OF HISTORIC  
GOVERNMENT OF CANADA  
BUILDINGS IN WATERTON

drawing title  
MAIN BUILDING  
MAIN FLOOR PLAN  
MECHANICAL

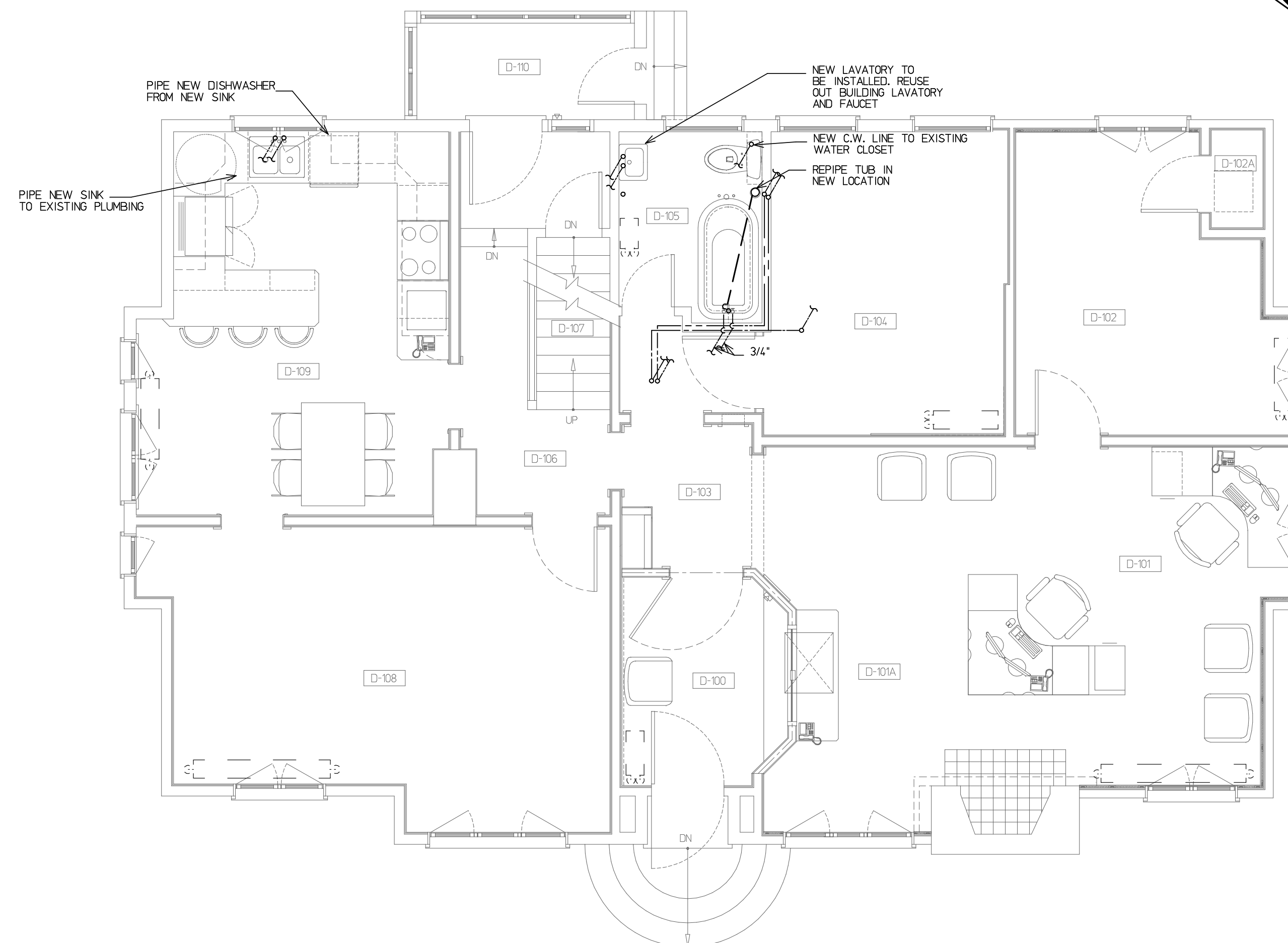
drawing info  
drawn D.B. D.L.  
date JULY 2018  
scale NOTED  
checked S.E.M.

drawing number

M-2

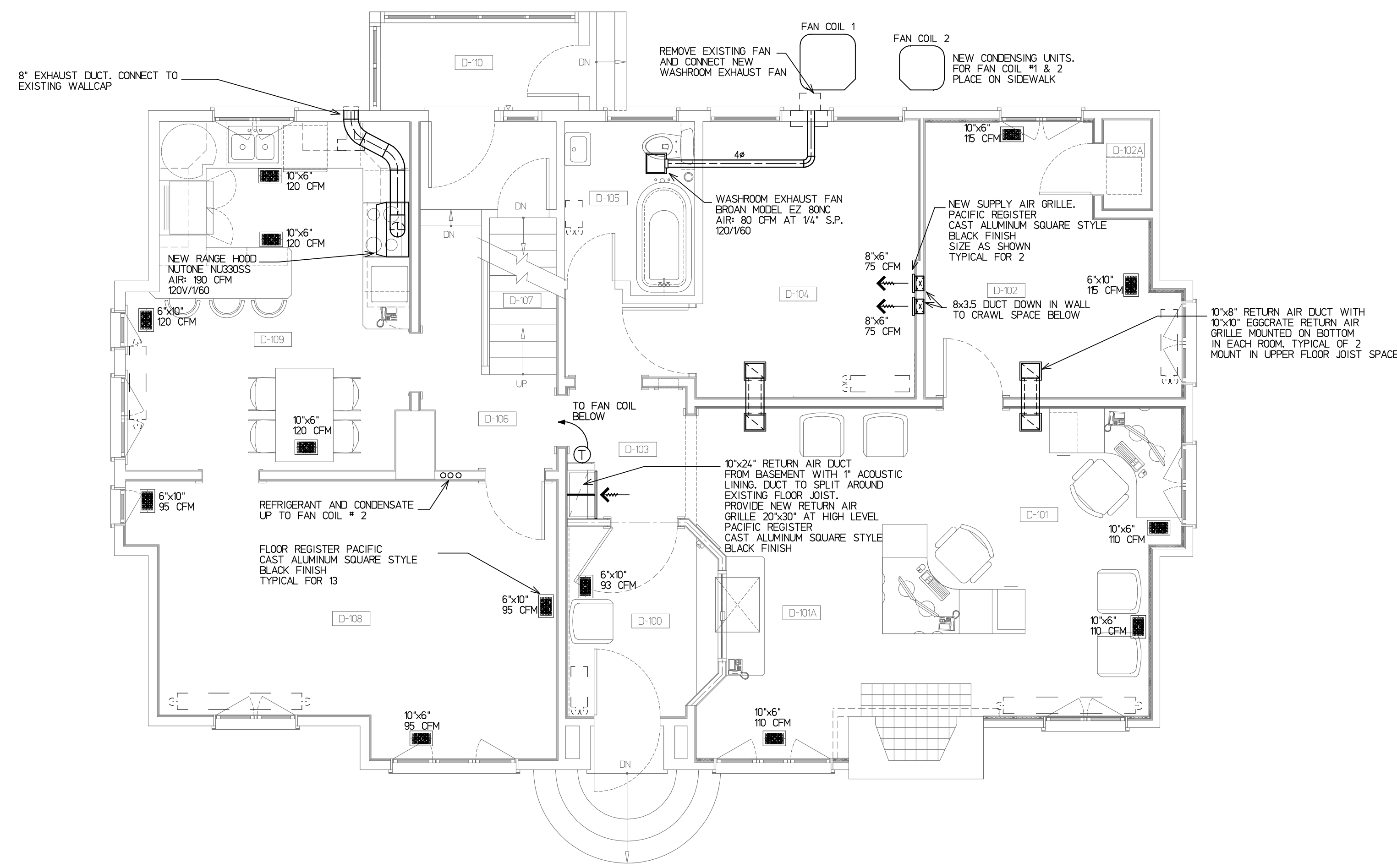


MAIN FLOOR PLAN - EXISTING MECHANICAL DEMOLITION  
SCALE = 1/4" = 1'-0"



MAIN FLOOR PLAN - NEW MECHANICAL  
SCALE = 1/4" = 1'-0"

SEE DRAWING M-1 FOR MECHANICAL NOTES AND LEGENDS



MAIN FLOOR PLAN - NEW SHEET METAL  
SCALE = 1/4" = 1'-0"

client / consultant logos

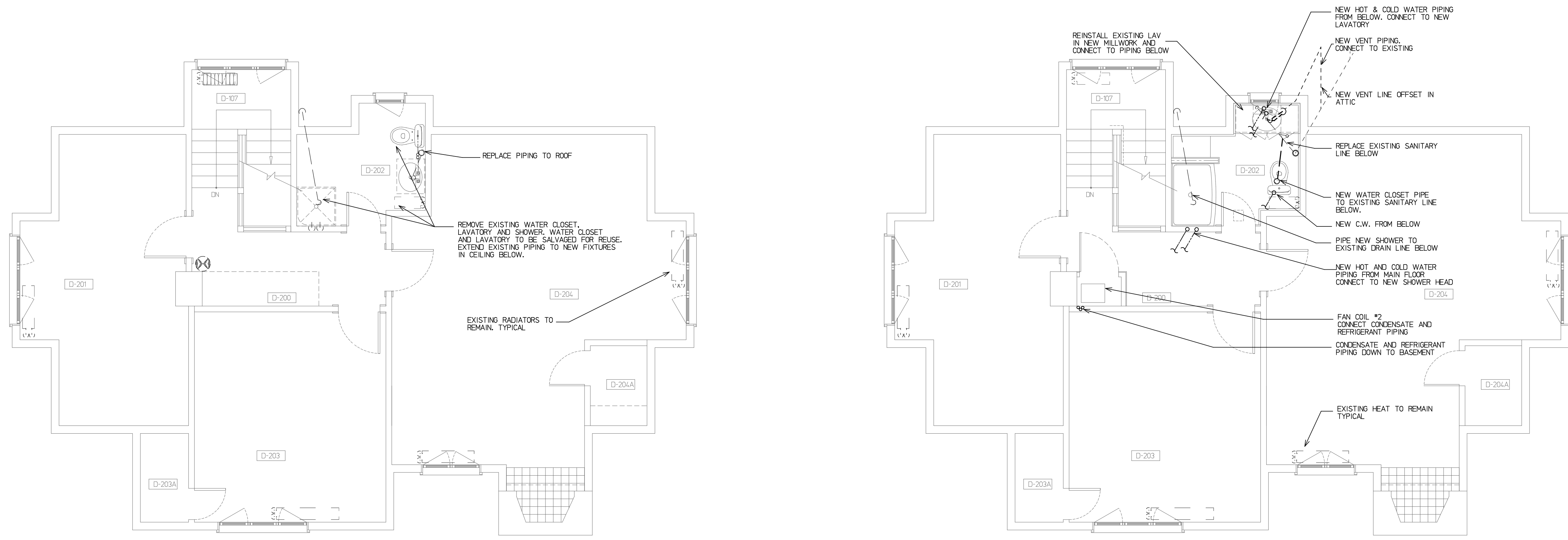
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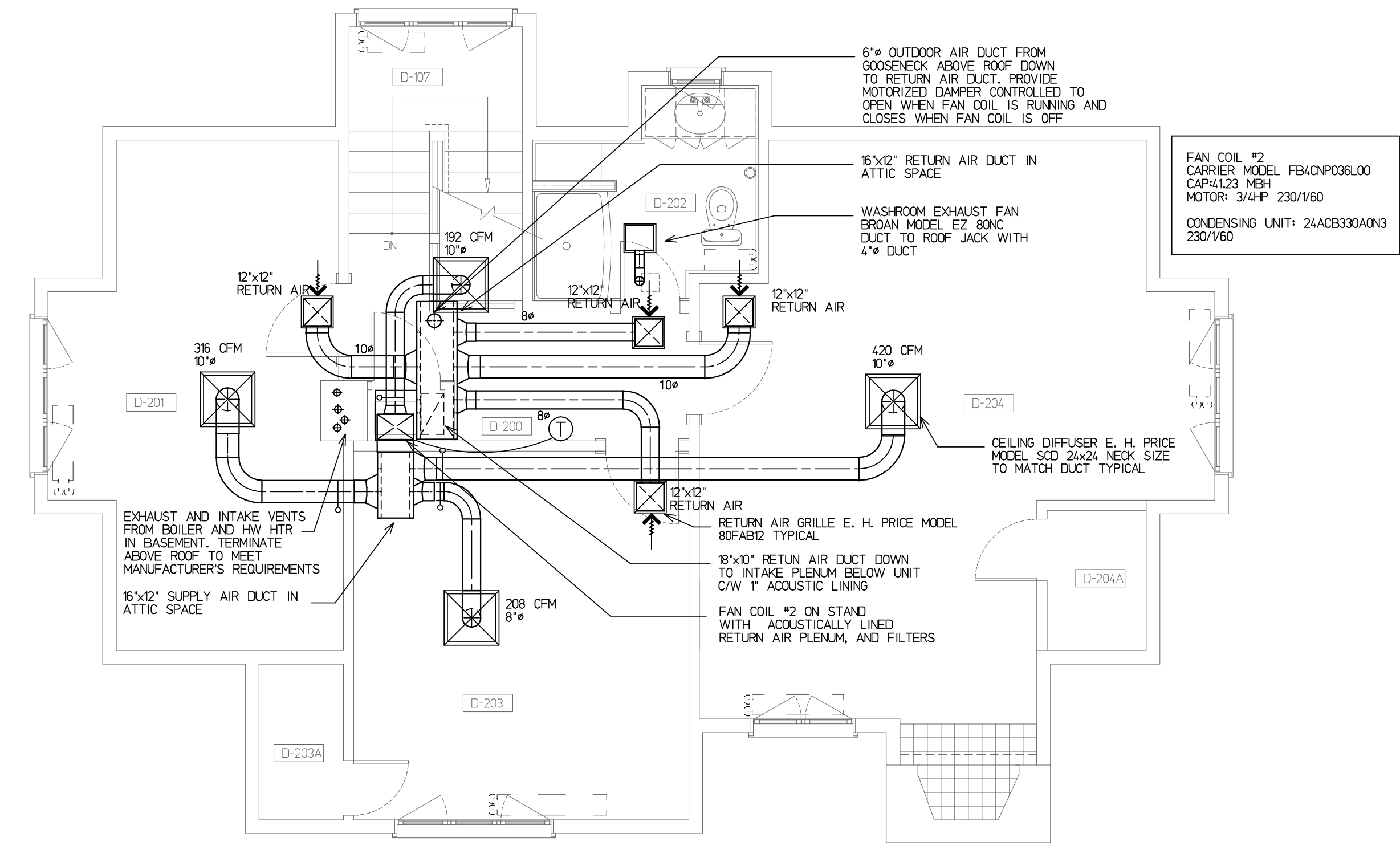
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UPPER FLOOR PLAN - MECHANICAL DEMOLITION  
SCALE - 1/4" = 1'-0"

UPPER FLOOR PLAN - NEW PLUMBING  
SCALE - 1/4" = 1'-0"

SEE DRAWING M-1 FOR MECHANICAL NOTES AND LEGENDS



UPPER FLOOR PLAN - NEW SHEET METAL  
SCALE - 1/4" = 1'-0"

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project title  
**REHABILITATION OF HISTORIC GOVERNMENT OF CANADA BUILDINGS IN WATERTON**

drawing title  
**MAIN BUILDING UPPER FLOOR PLAN MECHANICAL**

drawing info  
drawn D.B. D.L.  
date JULY 2018  
scale NOTED  
checked S.E.M.

drawing number  
**M-3**

client / consultant logos

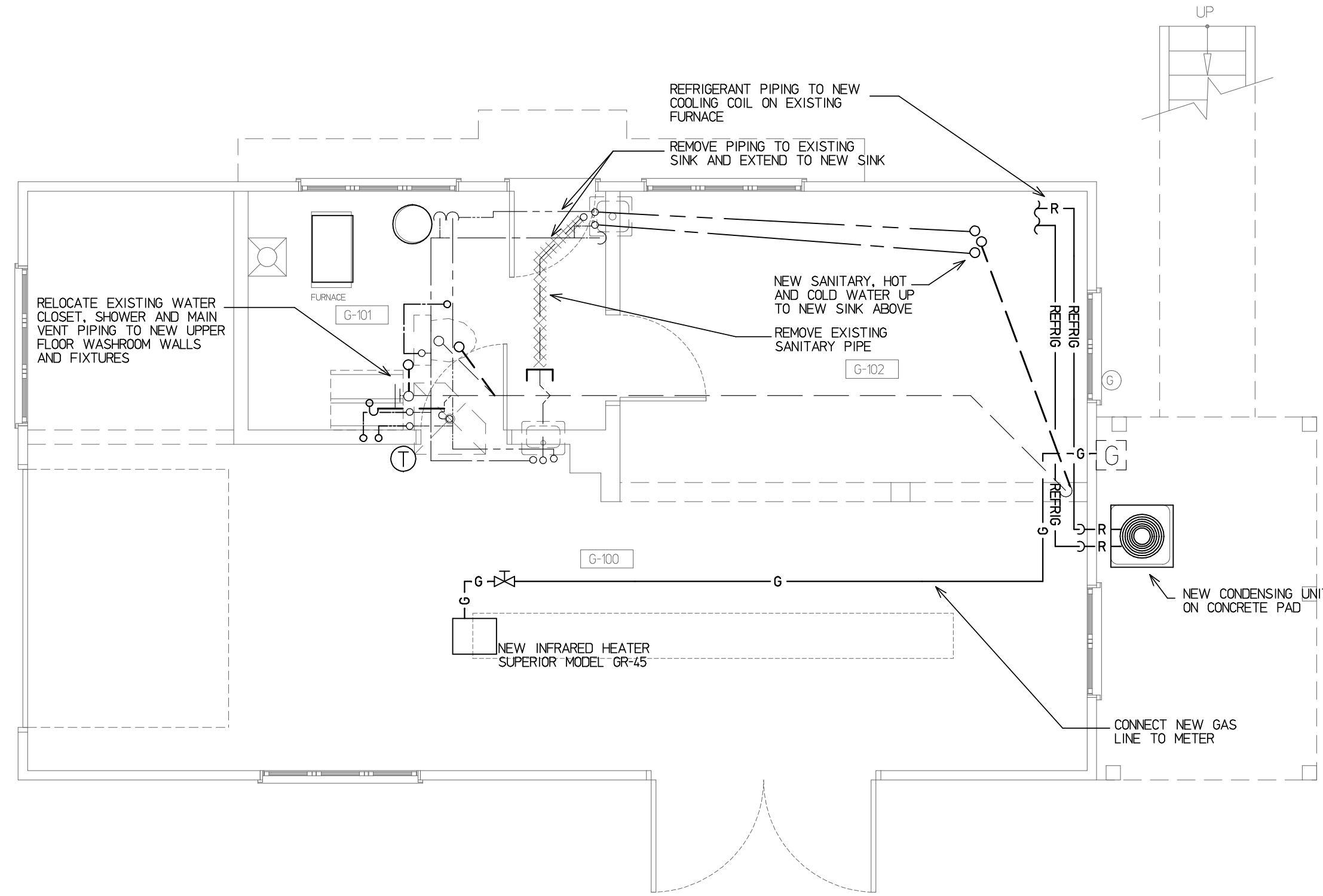
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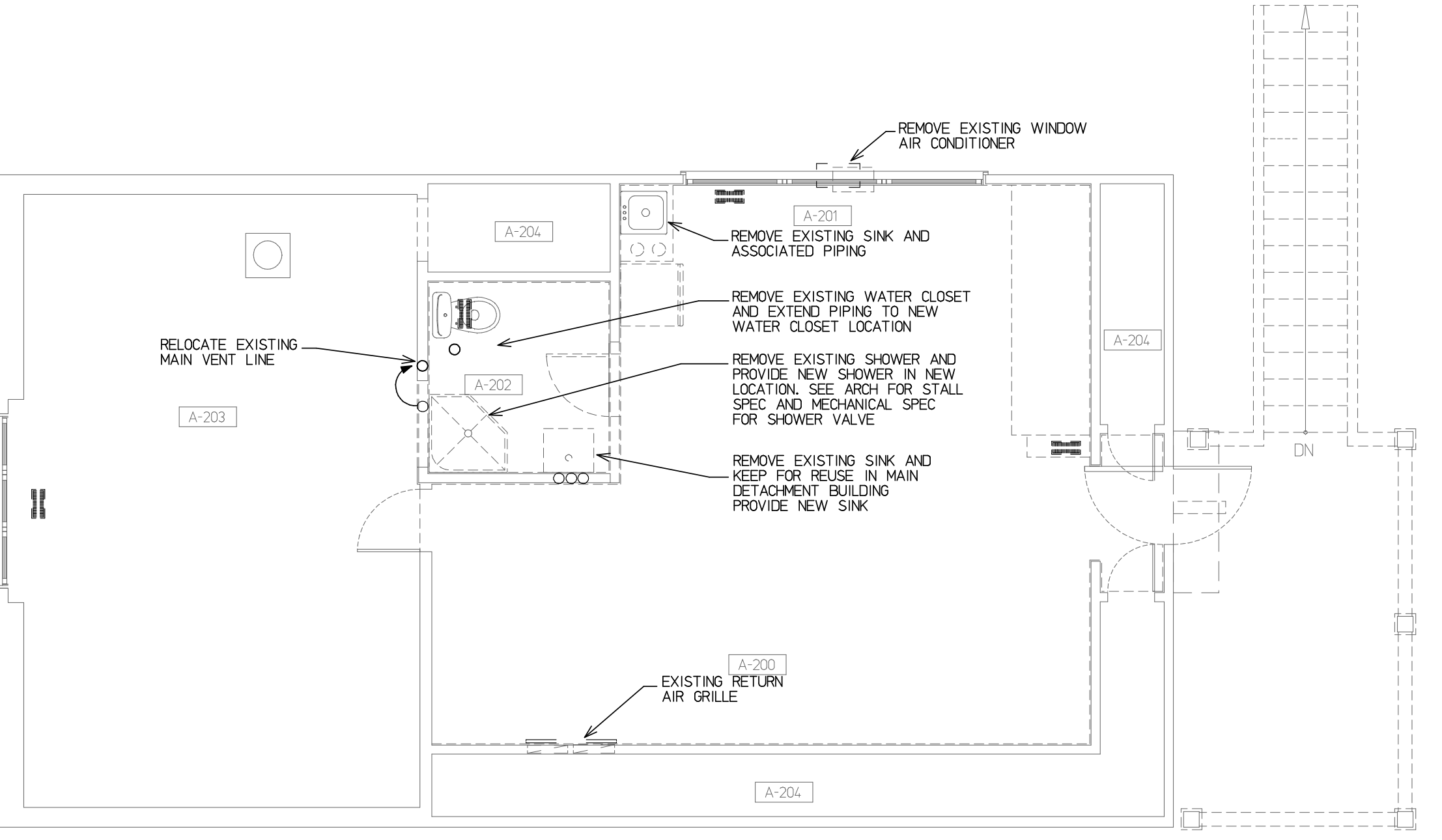
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stamp / permit



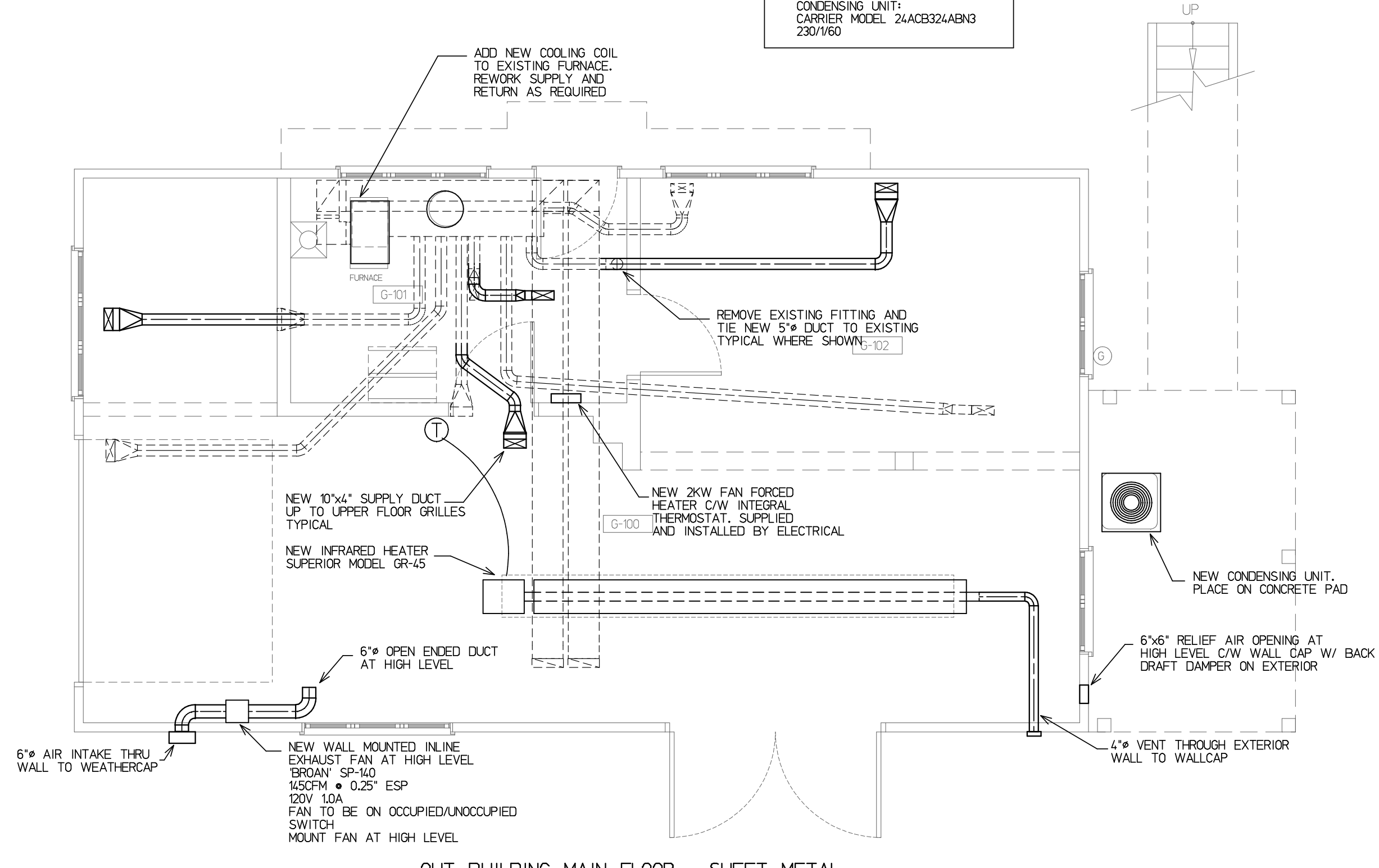
OUT BUILDING MAIN FLOOR - PLUMBING  
SCALE - 1/4" = 1'-0"



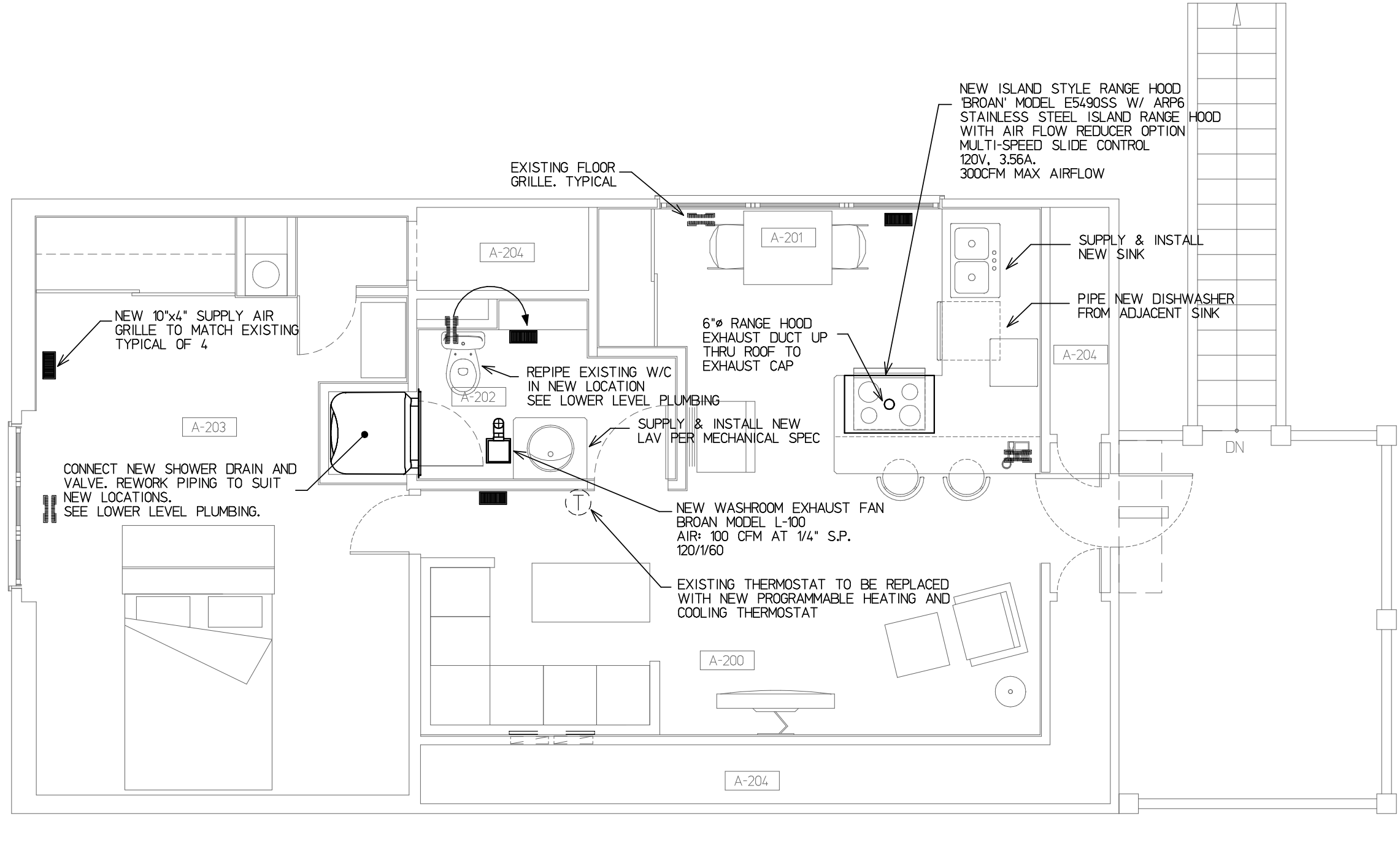
OUT BUILDING UPPER FLOOR - DEMOLITION  
SCALE - 1/4" = 1'-0"

**MECHANICAL EQUIPMENT**  
NEW COOLING COIL  
CARRIER MODEL: CXPVJ247ALA  
CAP: 2197 MSH  
CONDENSING UNIT:  
CARRIER MODEL: 24ACB32LABNG  
2301160

SEE DRAWING M-1 FOR MECHANICAL NOTES AND LEGENDS



OUT BUILDING MAIN FLOOR - SHEET METAL  
SCALE - 1/4" = 1'-0"



OUT BUILDING UPPER FLOOR - NEW MECHANICAL  
SCALE - 1/4" = 1'-0"

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project title  
**REHABILITATION OF HISTORIC GOVERNMENT OF CANADA BUILDINGS IN WATERTON**

drawing title  
**OUT BUILDING MECHANICAL**

drawing info  
drawn D.B. D.L.  
date JULY 2018  
scale NOTED  
checked S.E.M.

drawing number  
**M-4**