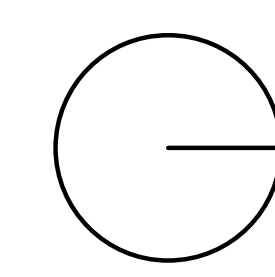


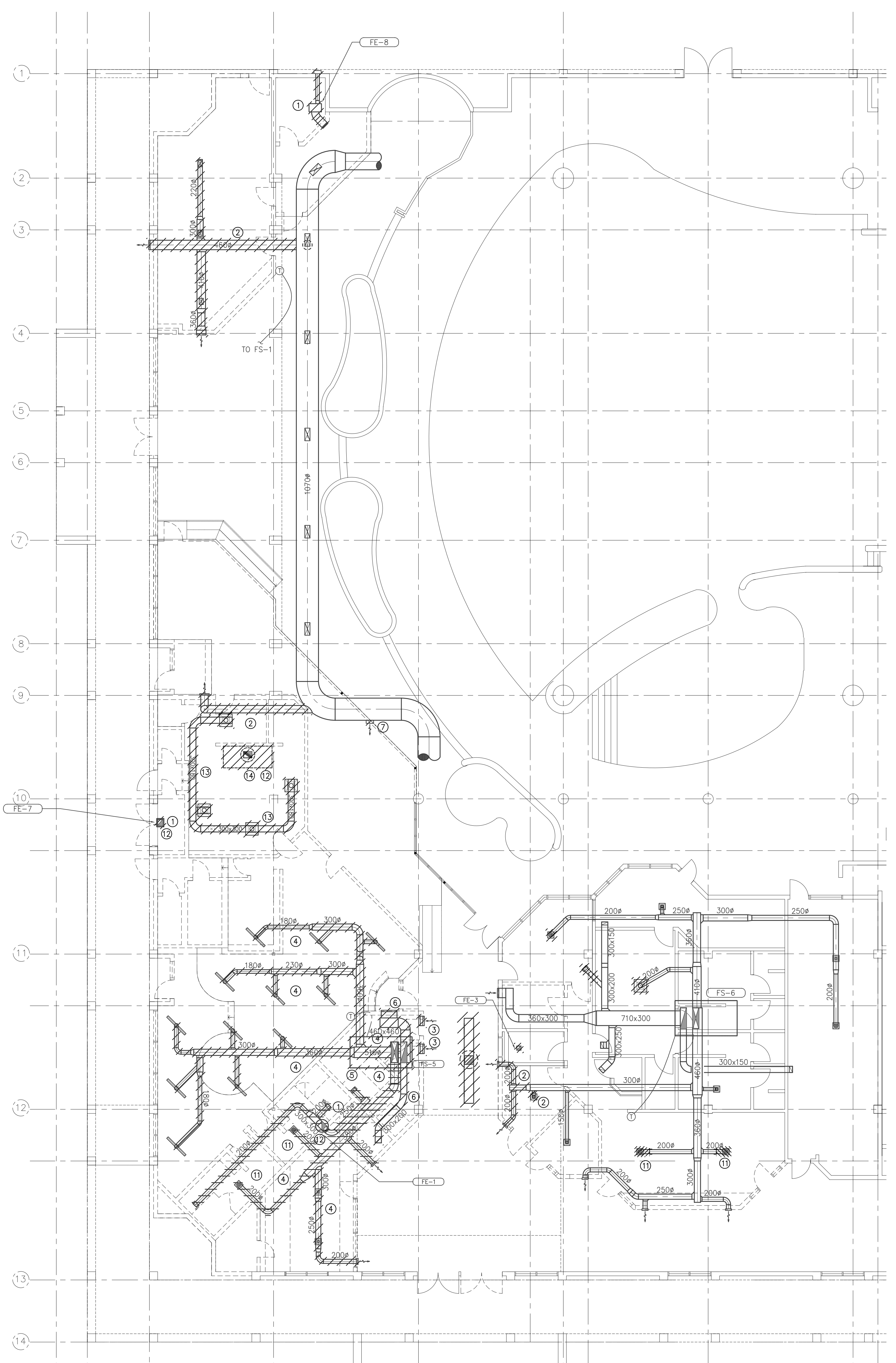
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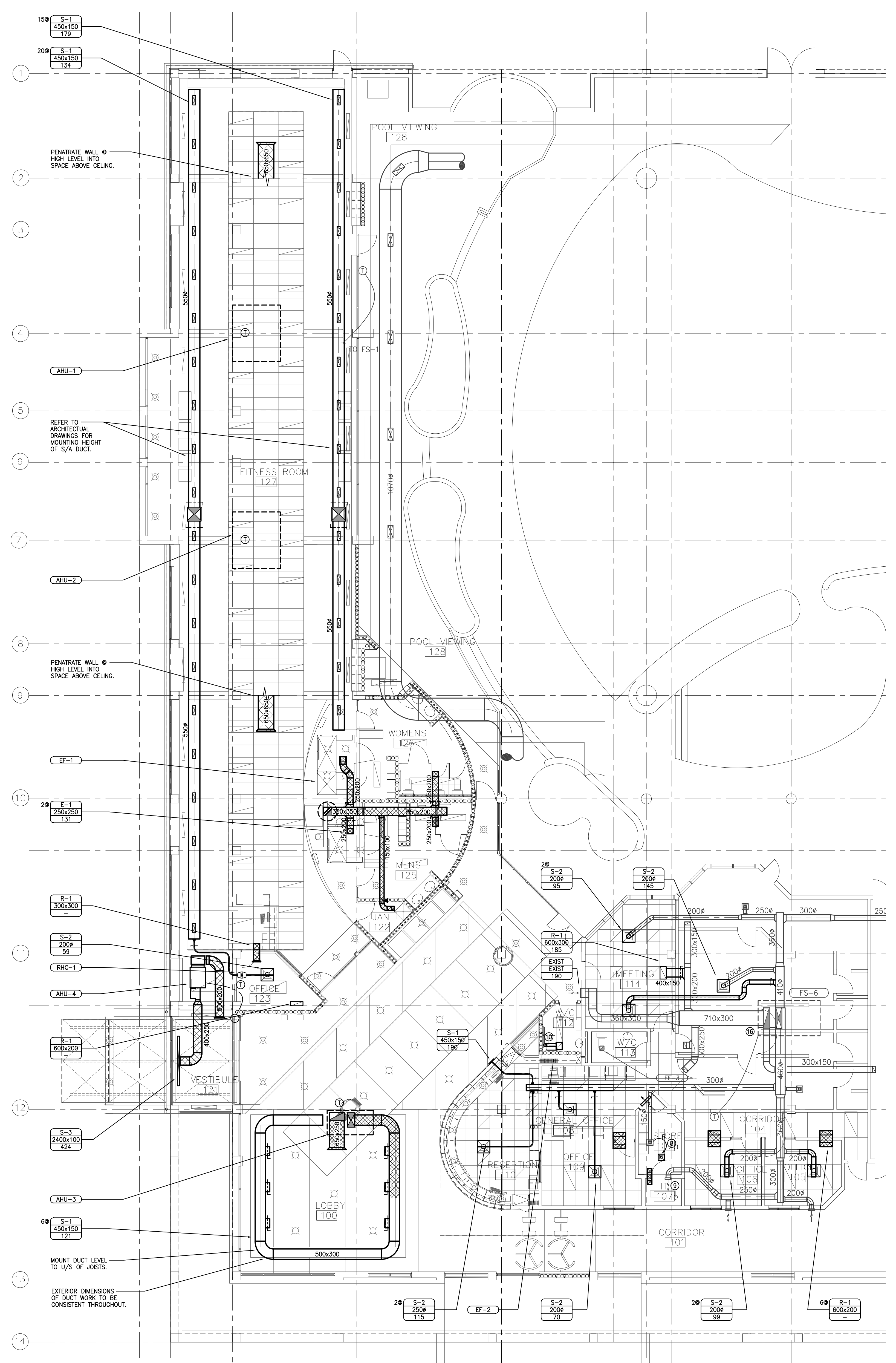


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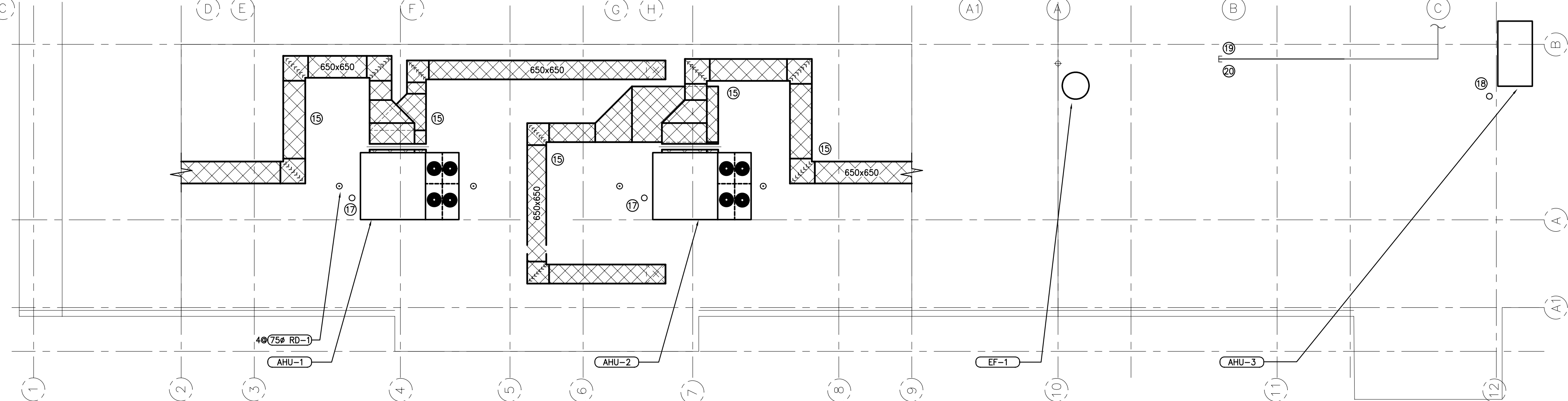


1 MECHANICAL DEMOLITION PLAN
M2.0 SCALE 1:100



2 MECHANICAL ADDITION PLAN
M2.0 SCALE 1:100

- KEYED NOTES**
- 1 EXISTING EXHAUST AIR FAN TO BE REMOVED, INCLUDING ASSOCIATED DUCTS, GRILLES AND LOUVRES.
 - 2 EXISTING SUPPLY AIR BRANCH TO BE REMOVED, INCLUDING ASSOCIATED GRILLES ETC. PATCH AND MAKE GOOD SUPPLY AIR MAIN.
 - 3 BACK TO BACK TRANSFER AIR GRILLES TO BE REMOVED.
 - 4 EXISTING SUPPLY AIR DUCT TO BE REMOVED, INCLUDING ALL ASSOCIATED GRILLES, DIFFUSERS, DAMPERS, ETC. BACK TO DROP FROM ROOF TOP AIR HANDLING UNIT.
 - 5 EXISTING ROOF TOP AIR HANDLING UNIT TO BE REMOVED, PATCH AND MAKE GOOD ALL ASSOCIATED SERVICES.
 - 6 EXISTING RETURN AIR DUCT TO BE REMOVED, INCLUDING ASSOCIATED GRILLES, DAMPERS, ETC. AS SHOWN.
 - 7 EXISTING SUPPLY AIR GRILLE TO BE REMOVED PATCH AND MAKE GOOD SUPPLY AIR DUCT.
 - 8 RELOCATE EXISTING SUPPLY AIR DIFFUSER AS SHOWN AND REBALANCE TO 35 1/2.
 - 9 LOCATE EXISTING SUPPLY AIR GRILLE AS SHOWN AND REBALANCE TO 47 1/2.
 - 10 DUCT UP THROUGH ROOF TO ROOF TOP GOOSE NECK.
 - 11 REMOVE EXISTING DIFFUSERS AND CAP OFF SUPPLY AIR DUCT WORK AS SHOWN.
 - 12 PATCH AND REPAIR EXISTING ROOF OPENING WITH NEW INSULATED SHEETMETAL CAP OVER EXISTING ROOF CURB.
 - 13 SUPPLY AIR DUCT AND GRILLES TO BE COMPLETELY REMOVED.
 - 14 KITCHEN EXHAUST HOOD AND DUCT WORK TO BE REMOVED.
 - 15 EXTERIOR ROOF MOUNTED DUCTWORK TO BE SEALED WATER TIGHT. MOUNT DUCTWORK ON GALVANIZED STEEL SUPPORTS FLASHED INTO THE EXISTING ROOF. PATCH AND REPAIR ROOFING AS REQUIRED.
 - 16 REBALANCE EXISTING ROOF TOP UNIT.
 - 17 25mm GAS UP
 - 18 18mm GAS UP
 - 19 40mm GAS DOWN TO SUPPLY NEW AHU
 - 20 5 LBS TO INCHES GAS REG.



3 MECHANICAL ROOF PLAN
M2.0 SCALE 1:100

MECHANICAL RECORD DRAWINGS
These drawings have been prepared by Keen Engineering Co. Ltd. from information provided by the Mechanical Contractor, DUAL MECHANICAL LTD.
Date : JANUARY 25, 2005

01/25/05 Issued for Record Drawing
05/28/03 Issued for Construction
02/14/03 Issued for Tender/Building Permit
01/31/03 Issued for Review
12/16/02 Issued for 75% Costing
12/11/02 Issued for Coordination
10/04/02 Issued for Design Development

Job Title
NEWTON RECREATION CENTRE - WAVE POOL

Sheet Title
MECHANICAL DEMOLITION AND ADDITION PLAN

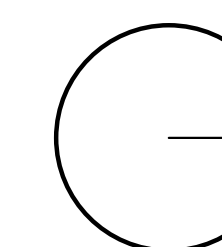
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Date: DEC 2002
Scale: 1:100

0340-33-33 - Newton Recreation Centre - Wave Pool
 Mechanical Demolition and Addition Plan
 Prepared by Keen Engineering Co. Ltd. from information provided by the Mechanical Contractor, DUAL MECHANICAL LTD.

M2.0

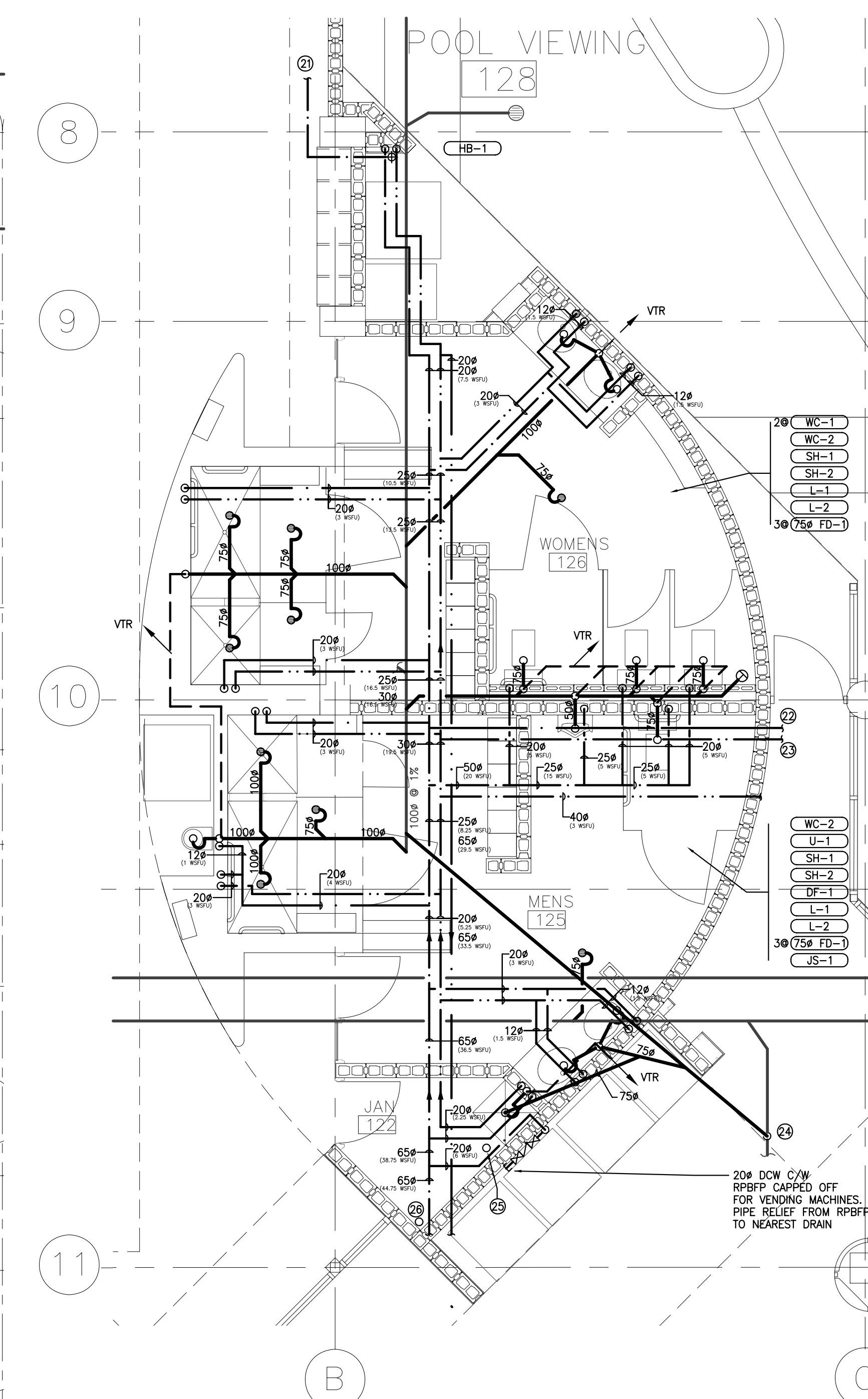
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3 WASHROOM PLUMBING DETAIL
M3.0 SCALE 1:50

KEYED NOTES	
1	EXISTING DOMESTIC COLD WATER LINE TO BE REMOVED AND CAPPED OFF AS SHOWN ON DRAWING.
2	EXISTING DOMESTIC HOT WATER LINE TO BE REMOVED AND CAPPED OFF AS SHOWN ON DRAWING.
3	EXISTING DOMESTIC WATER RECIRCULATION LINE TO BE REMOVED AND CAPPED OFF AS SHOWN.
4	EXISTING FIRE LINE TO BE REMOVED AND CAPPED OFF AS SHOWN. FIRE HOSE CABINET TO BE REMOVED & RELOCATED.
5	EXISTING ROOF DRAIN TO REMAIN INCLUDING EXISTING STORM PIPING.
6	REMOVE EXISTING ROOF DRAIN AND RAIN WATER LEADER, CAP OFF STORM LINE BELOW SLAB AND PATCH AND MAKE GOOD ROOF.
7	REMOVE EXISTING PLUMBING FIXTURE, CAP OFF SANITARY LINE BELOW SLAB AND REMOVE ALL EXISTING VENT PIPING THAT IS ABOVE THE SLAB.
8	EXISTING HOSE BIBB TO BE RELOCATED AS SHOWN ON DRAWING.
9	EXISTING FIRE HOSE CABINET TO BE RELOCATED AS SHOWN ON DRAWING.
10	EXISTING ROOF DRAIN TO REMAIN, REMOVE AND CAP OFF RAIN WATER LEADER BELOW SLAB. OFFSET AND DROP RAIN WATER LEADER AS SHOWN ON DRAWING, RECONNECT TO EXISTING STORM LINE BELOW SLAB.
11	CONNECT NEW FIRE HOSE CABINET TO EXISTING FIRE WATER LINE AS SHOWN ON DRAWING.
12	CONNECT NEW 65# DOMESTIC COLD WATER LINE TO EXISTING 75# DOMESTIC COLD WATER RISER. ROUTE THROUGH DWSJ JOIST SPACE OF THE POOL ALONG GRID 10.
13	NEW 40# DOMESTIC HOT WATER LINE RISE UP INTO MECHANICAL SPACE ABOVE. ROUTE THROUGH MECHANICAL ROOM (APPROX. 32m) AND CONNECT TO EXISTING 50# DOMESTIC HOT WATER LINE.
14	TIED INTO EXISTING
15	VENT TO OUTSIDE
16	CAPPED OFF
17	TIED ONTO EXISTING AND CONTINUED OUT OF BUILDING
18	TIED INTO EXISTING
19	TIED IN AT WASHROOM
20	TO NEW HB
21	65# TIED INTO 75# AT GIRLS WASHROOM
22	40# TIED INTO SUPPLY RIGHT AT HOT WATER TANK ON MEZZANINE
23	TIED INTO EXISTING
24	75# DRAIN FOR RP.
25	150# RWL
26	18# GAS UP
27	25# GAS UP
28	40# GAS UP TO (LOW PRESSURE) EXISTING ON ROOF.
29	EXISTING SLUMP REMOVED.

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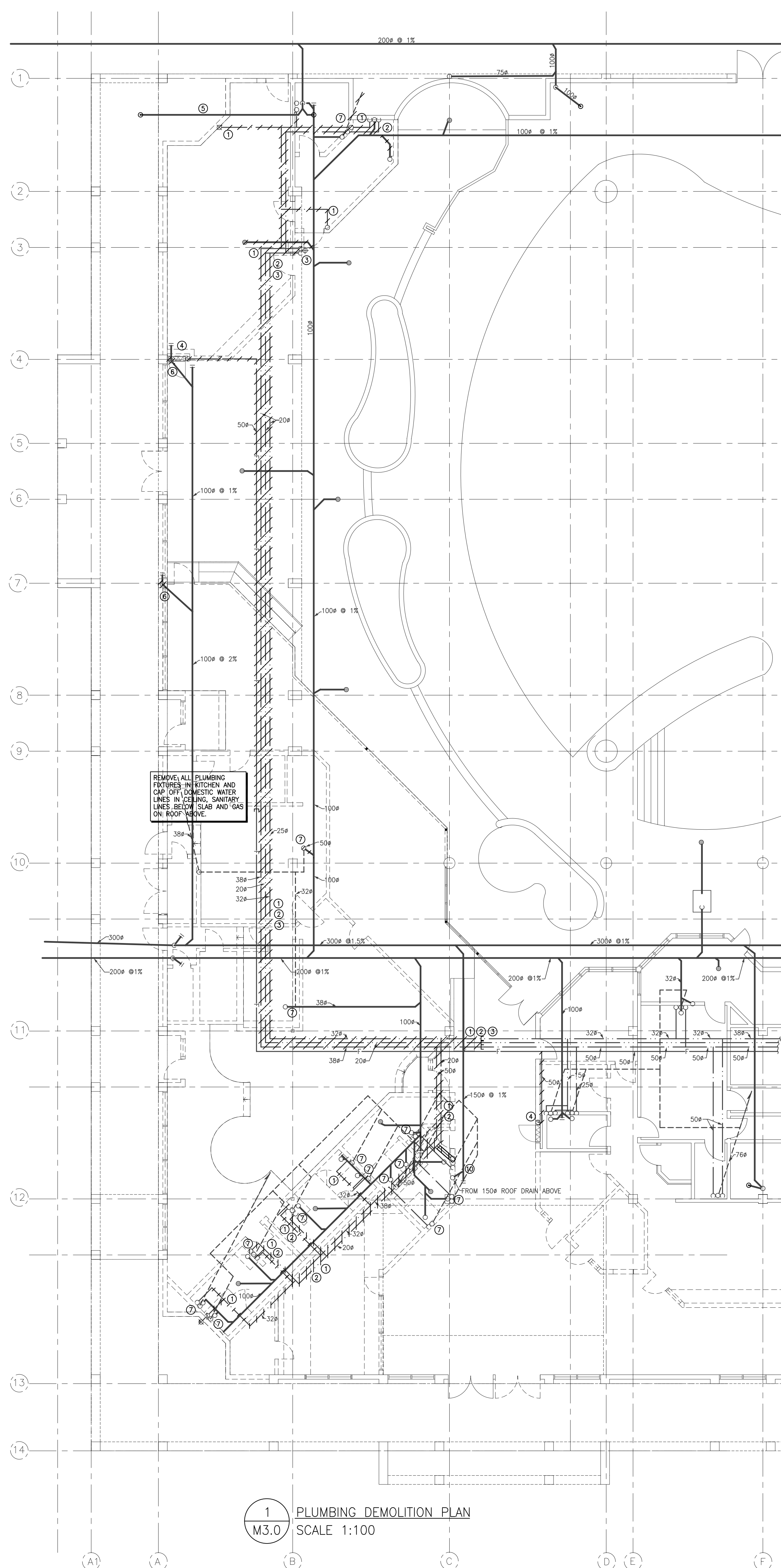
NEWTON
RECREATION
CENTRE -
WAVE POOL

PLUMBING
DEMOLITION AND
ADDITION/
RENOVATION PLAN

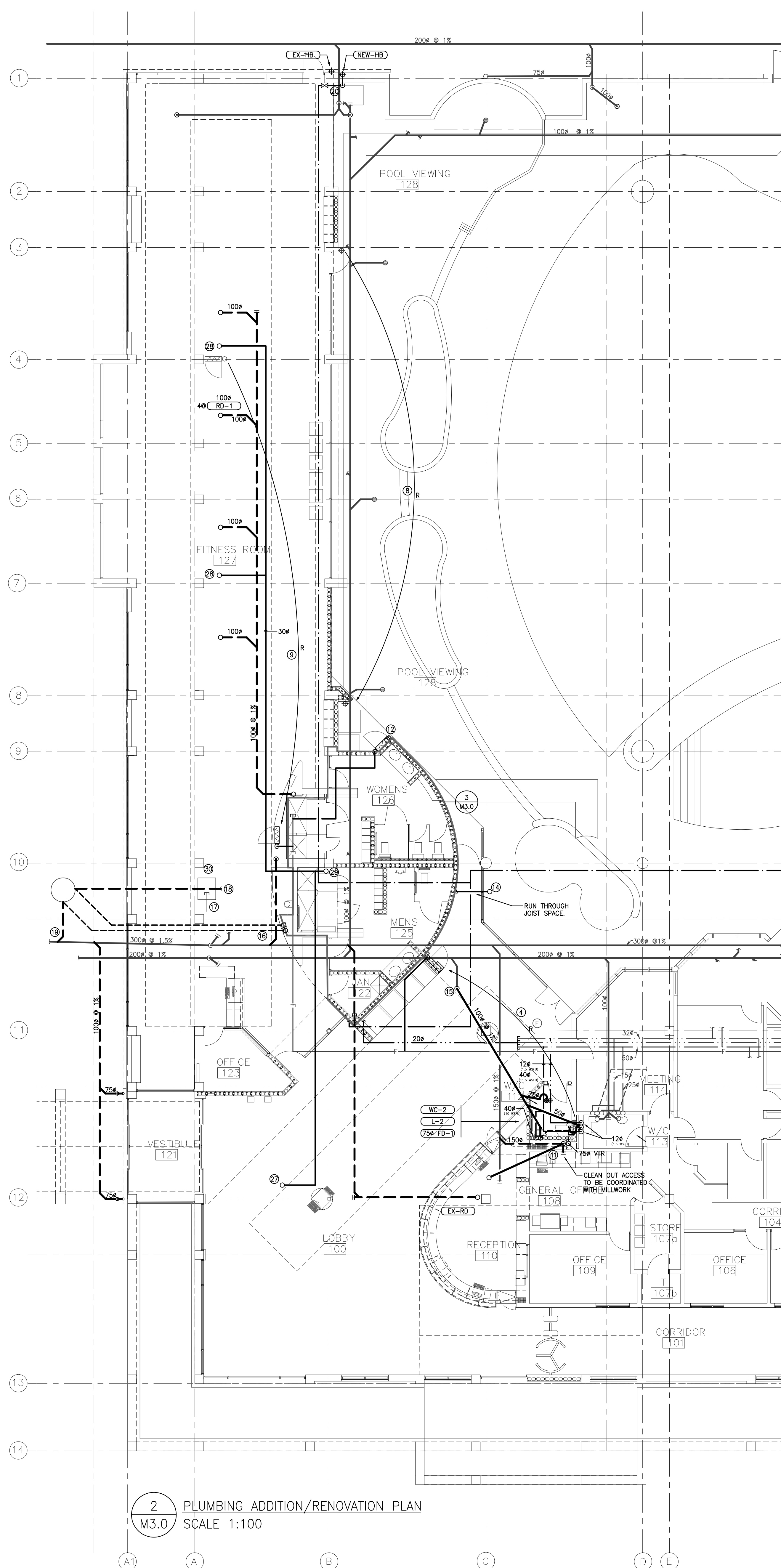
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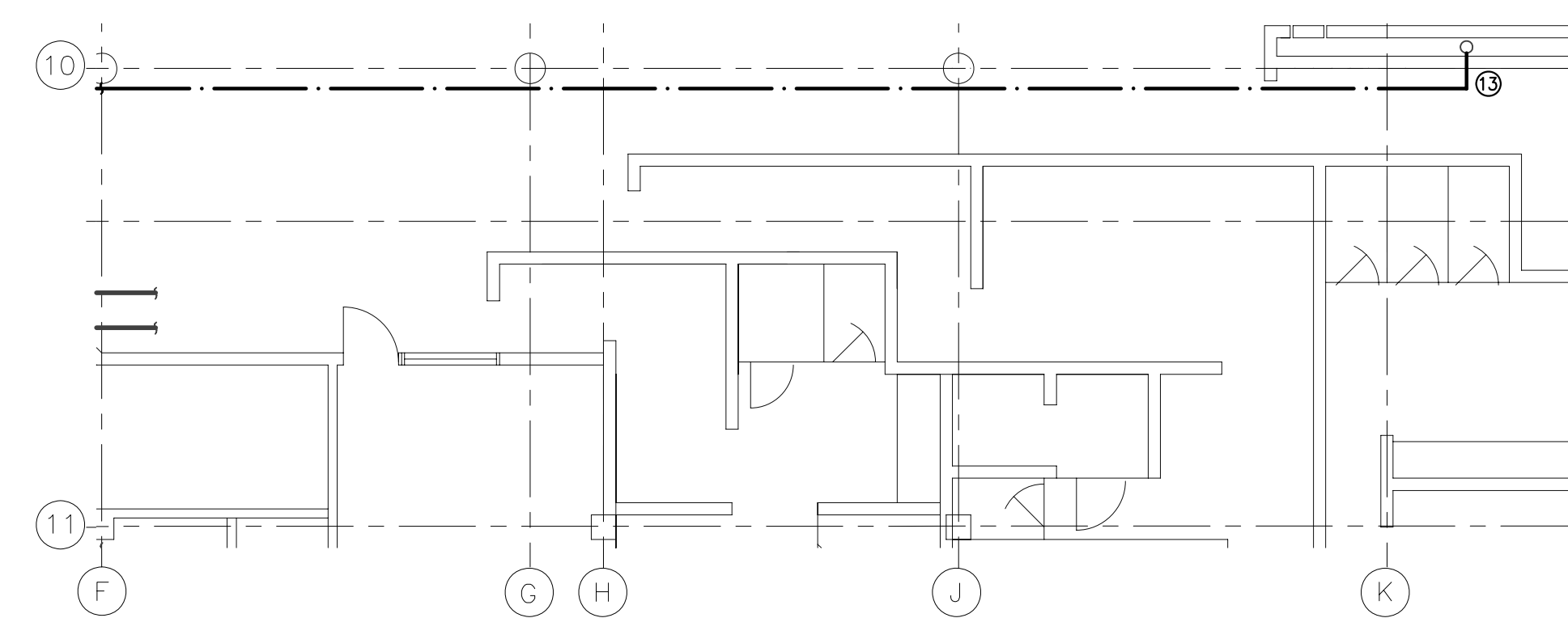
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Date: JANUARY 25, 2005



1 PLUMBING DEMOLITION PLAN
M3.0 SCALE 1:100



2 PLUMBING ADDITION/RENOVATION PLAN
M3.0 SCALE 1:100



4 DOMESTIC COLD WATER ROUTING
M3.0 SCALE 1:100