

MECHANICAL DRAWING LIST	
Sheet Number	Sheet Name
M0001	MECHANICAL DRAWING LIST
M0201	EQUIPMENT SCHEDULE
M1101	DEMOLITION PLAN - SECOND FLOOR
M2101	PLUMBING - SECOND FLOOR
M3101	DRAINAGE - SECOND FLOOR
M5101	HVAC - SECOND FLOOR

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CITY OF TORONTO



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Project Management Office  
Metro Hall Toronto, ON  
MSV 3C6

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E	ISSUED FOR TENDER	2021-05-25

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PROJECT TITLE  
CITY OF TORONTO  
ACCESSIBILITY UPGRADES

PROJECT ADDRESS  
Fire Station 112 & EMS  
Station 16  
5700 Bathurst St

PROJECT NO:  
91119- 19- 0162 / IBI 122260

DRAWN BY: <b>K.DURUKAN</b>	CHECKED BY: <b>B.LIAO</b>
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PROJECT MGR: <b>F.BOLOURIAN</b>	APPROVED BY: <b>S.LIU</b>
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SHEET TITLE  
MECHANICAL DRAWING  
LIST

SHEET NUMBER <b>G08-265-M0001</b>	ISSUE <b>E</b>
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EXHAUST FAN SCHEDULE									
TAG NO.	SERVICE	MANUFACTURER/ MODEL NO.	CAPACITY (LPS)	S.P. (Pa)	FAN	MOTOR			NOTES
					TYPE	HP	RPM	V/Ph/Hz	
EF-01	311 - BARRIER FREE WR	GREENHECK MODEL SP-A190	71	93	CEILING FAN, DIRECT FAN	0.06	1400	115/1/60	CONTROLLED BY LIGHTING SWITCH, C/W DISCONNECT SWITCH BACKDRAFT DAMPER, ROUND DUCT CONNECTOR

ELECTRICAL HEATER SCHEDULE									
TAG NO.	SERVICE	MANUFACTURER/ MODEL NO.	CAPACITY OUTPUT (KW)	V/Ph/Hz	WEIGHT (KG)	FAN		NOTES	
						POWER (KW)	FLOW (LPS)		
FAH-01	312 - BARRIER FREE WR	OUELLET QACP2000	2	208/1/60	10.9	-	75	PROVIDE DISCONNECT SWITCH AND BUILT-IN THERMOSTAT	

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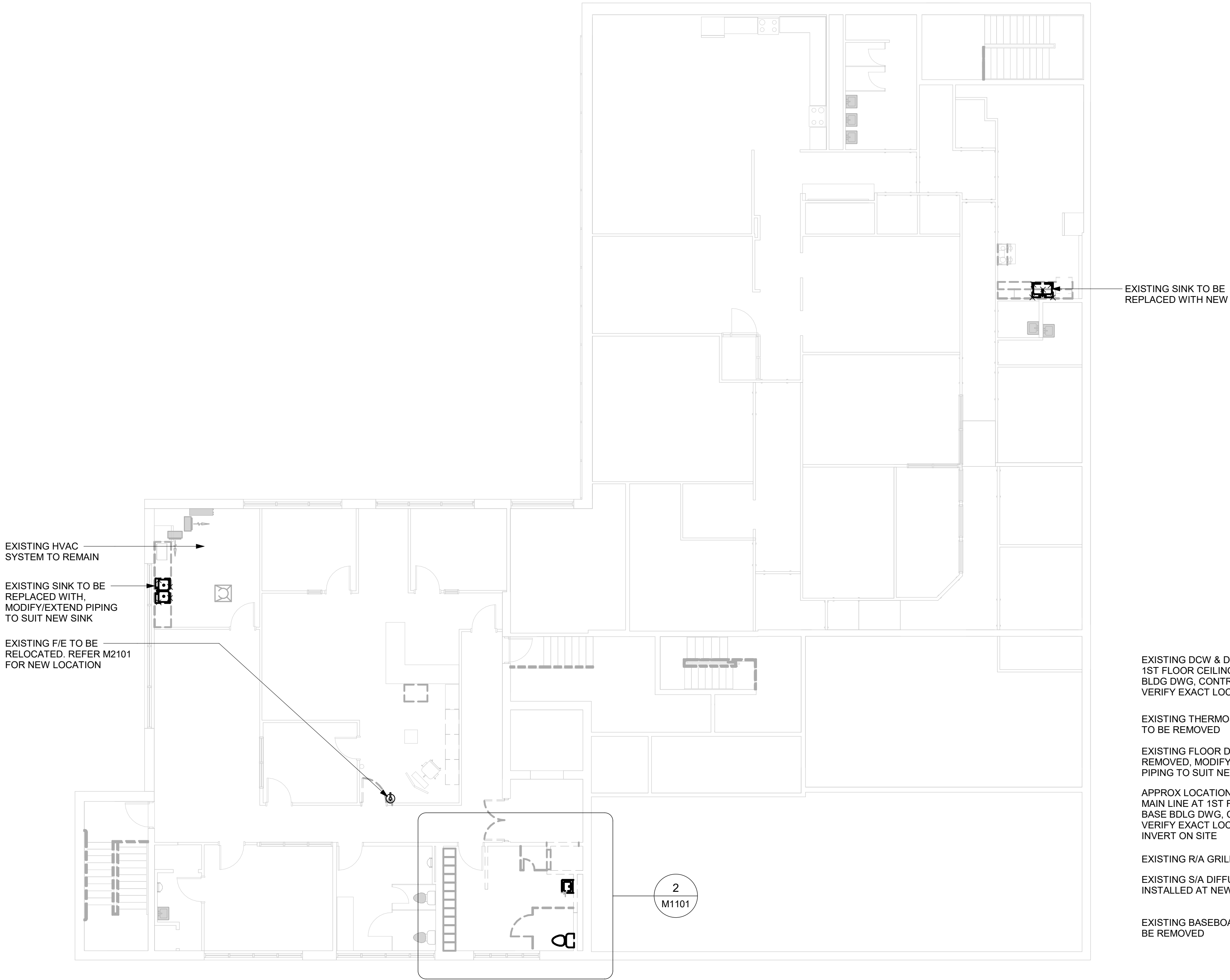
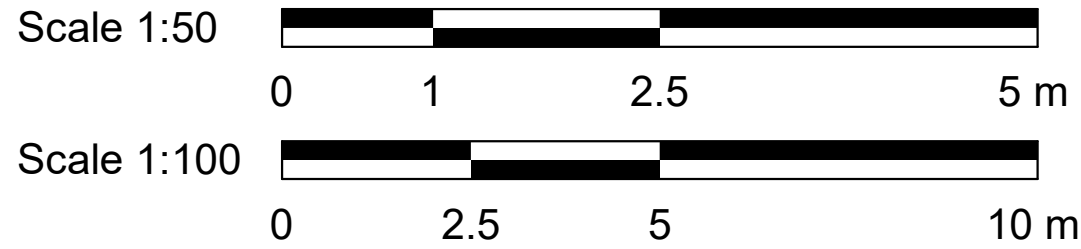
DRAWN BY: <b>K.DURUKAN</b>	CHECKED BY: <b>B.LIAO</b>
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PROJECT MGR: <b>F.BOLOURIAN</b>	APPROVED BY: <b>S.LIU</b>
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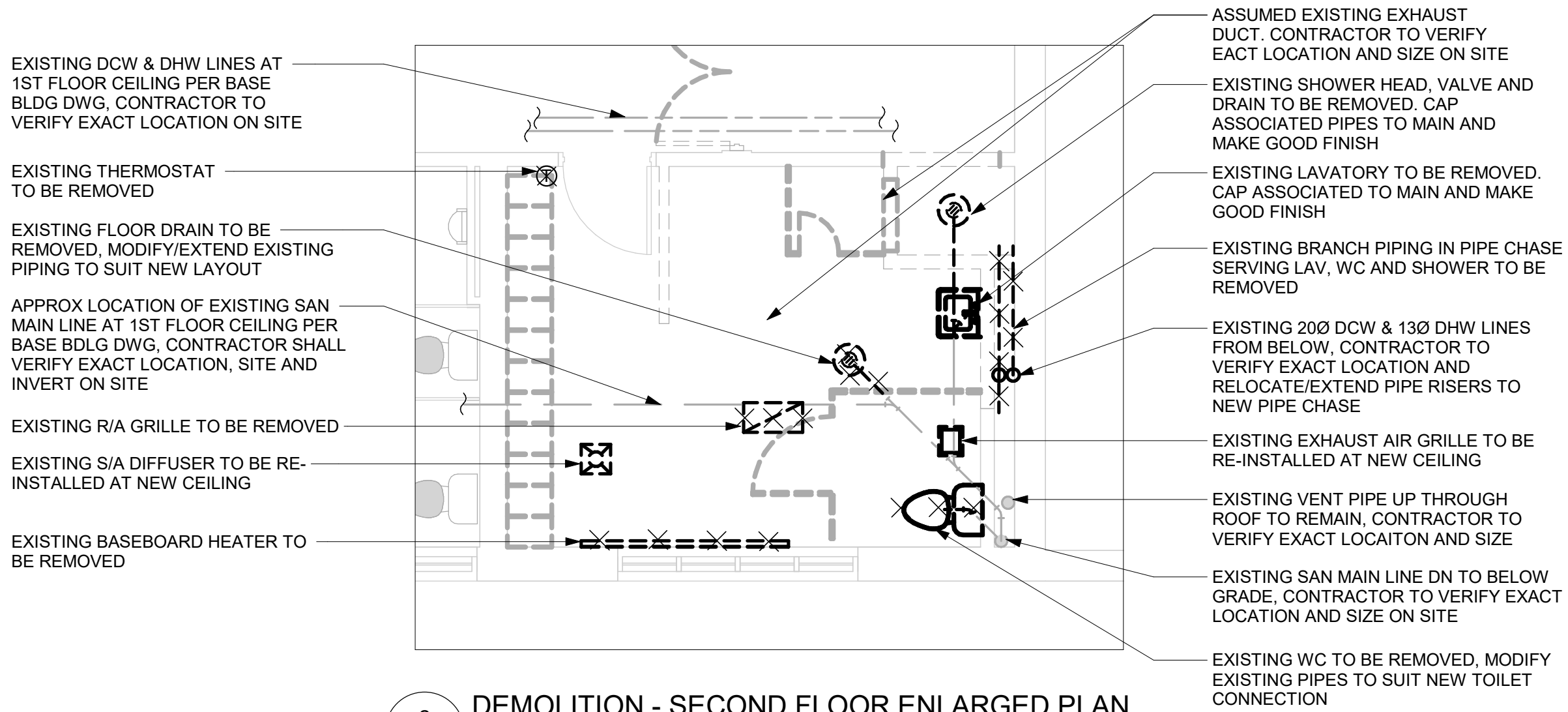
SHEET TITLE  
EQUIPMENT SCHEDULE

SHEET NUMBER <b>G08-265-M0201</b>	ISSUE <b>E</b>
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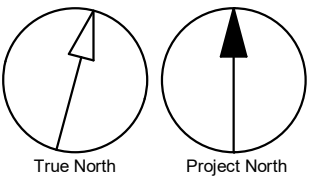


1 DEMOLITION - SECOND FLOOR  
M1101 Scale: 1 : 100



2 DEMOLITION - SECOND FLOOR ENLARGED PLAN  
M1101 Scale: 1 : 50

- GENERAL NOTES:
1. CONTRACTOR TO VERIFY SITE CONDITION.
  2. REMOVE AND CAP EXISTING SERVICES AS SHOWN ON THE DRAWING.
  3. ALL EXISTING SERVICES SHALL REMAIN UNLESS OTHERWISE NOTED.



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PROJECT NO:  
9119- 19- 0162 / IBI 122260

DRAWN BY:  
**K.DURUKAN**

CHECKED BY:  
**B.LIAO**

PROJECT MGR:  
**F.BOLOURIAN**

APPROVED BY:  
**S.LIU**

SHEET TITLE

**DEMOLITION PLAN -  
SECOND FLOOR**

SHEET NUMBER

**G08-265-M1101**

ISSUE

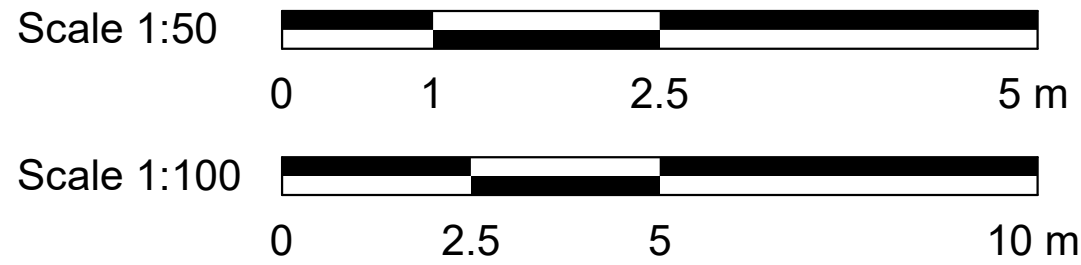
**E**

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10mm

SCALE CHECK  
1 in

2021-07-16 11:01:09 AM



1 PLUMBING - SECOND FLOOR  
M2101 Scale: 1 : 100

PROVIDE NEW KITCHEN SINK AND MODIFY EXISTING SUPPLY LINES TO RE-CONNECT TO EXISTING

RELOCATED F/E C/W WALL MOUNTING BRACKET

S-2

PROVIDE NEW KITCHEN SINK CONNECT TO EXISTING SERVICES

PROVIDE 13Ø DHW ROUGH-IN FOR DISH WASHER

ASSUMED EXISTING DCW & DHW MAIN LINES AT 1ST FLOOR CEILING. CONTRACTOR TO VERIFY EXACT LOCATION AND SIZE ON SITE

PROVIDE 20Ø DCW & 20Ø DHW LINES AT FLOOR BELOW C/W SHUT-OFF VALVES

PROVIDE NEW LAV WITH 13Ø DCW & 13Ø DHW LINES

SH2H

W3H

BARRIER FREE W.C. 311

L1H

BARRIER FREE C.R. 312

W3H

PROVIDE NEW SHOWER WITH 13Ø DCW & 13Ø DHW LINES

PROVIDE NEW TOILET WITH 13Ø DCW LINE

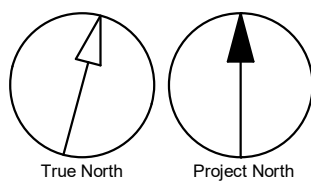
PROVIDE NEW LAV WITH 13Ø DCW & DHW LINES

RE-ROUTE/EXTEND EXISTING 20Ø DCW & 13Ø DHW PIPE RISERS CONNECTED FROM FLOOR BELOW

PROVIDE NEW TOILET WITH 13Ø DCW LINE

2 PLUMBING - SECOND FLOOR ENLARGED PLAN  
M2101 Scale: 1 : 50

GENERAL NOTES:  
1. REFER TO SPECIFICATIONS FOR PLUMBING FIXTURE UNIT TYPES.  
2. ALL NEW FIXTURES TO BE FITTED WITH ISOLATION VALVES.



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DRAWN BY:  
**K.DURUKAN**

CHECKED BY:  
**B.LIAO**

PROJECT MGR:  
**F.BOLOURIAN**

APPROVED BY:  
**S.LIU**

SHEET TITLE  
**PLUMBING - SECOND  
FLOOR**

SHEET NUMBER  
**G08-265-M2101**

ISSUE  
**E**

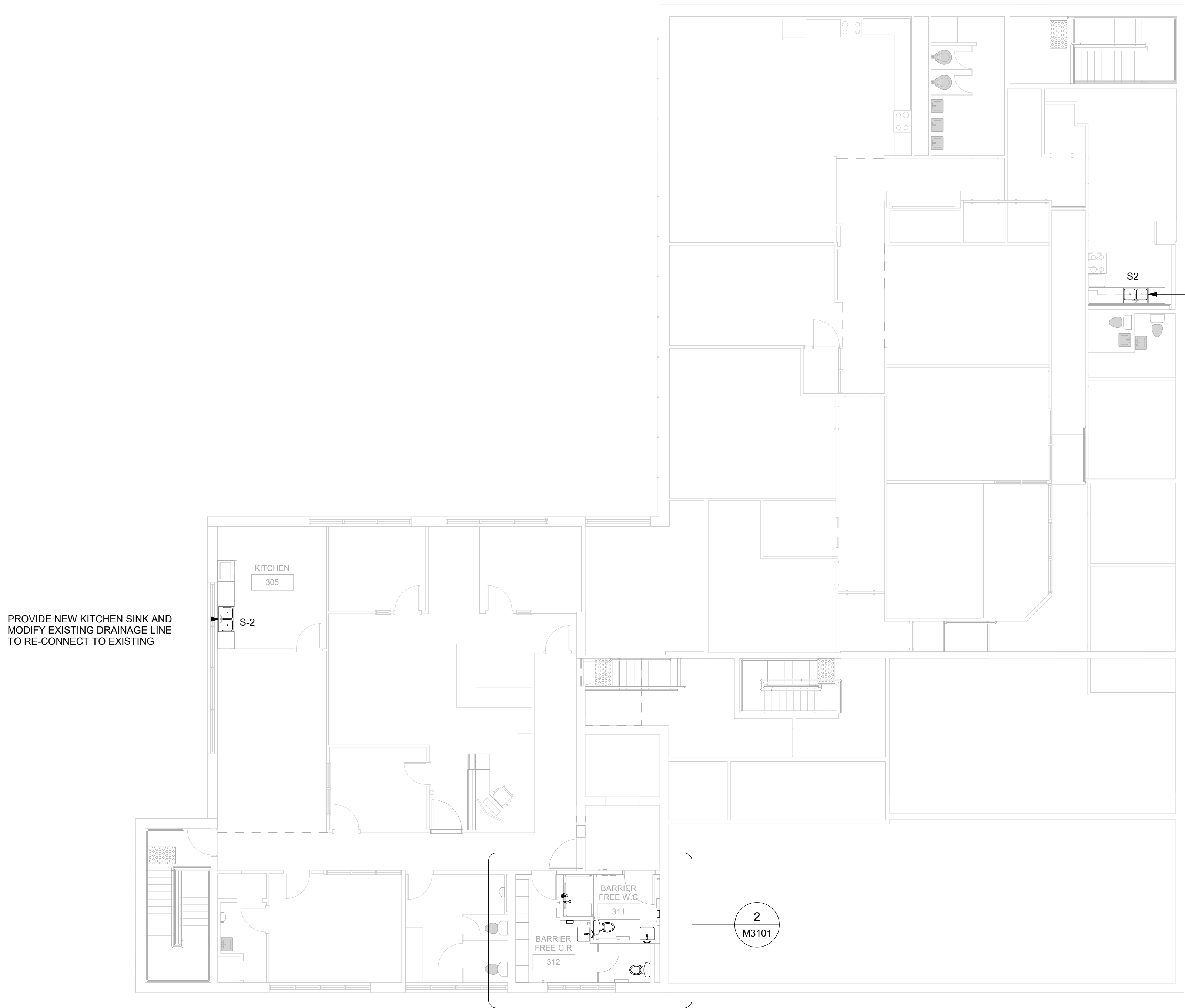
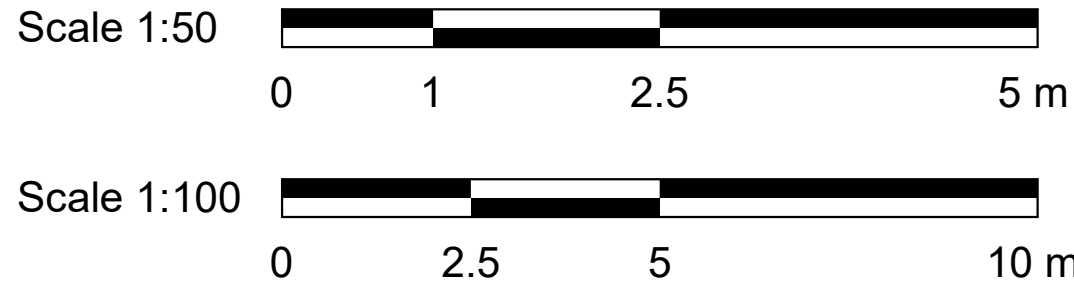
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10mm

SCALE CHECK  
1 in



2021-07-16 11:01:10 AM



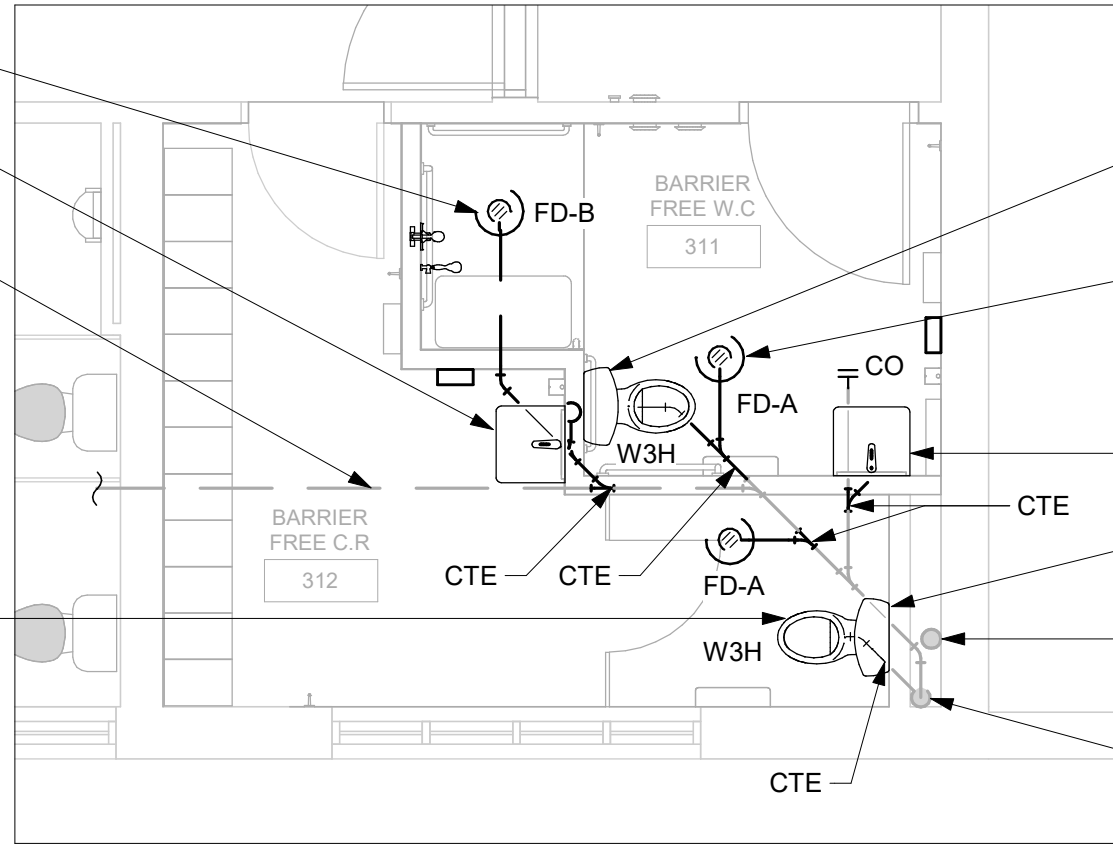
1 DRAINAGE - SECOND FLOOR  
M3101 Scale: 1 : 100

PROVIDE NEW KITCHEN SINK CONNECT TO EXISTING SERVICES. PROVIDE DISHWASHER DRAIN LINE ROUGH-IN CONNECTED FROM SINK DRAIN PIPE

PROVIDE NEW KITCHEN SINK AND MODIFY EXISTING DRAINAGE LINE TO RE-CONNECT TO EXISTING

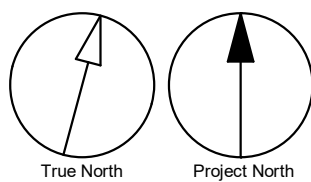
PROVIDE NEW SHOWER DRAIN WITH 800 SAN LINE  
PROVIDE NEW LAV WITH 500 SAN LINE  
APPROX LOCATION OF EXISTING SAN MAIN LINE AT 1ST FLOOR CEILING PER BASE BDLG DWG, CONTRACTOR SHALL VERIFY EXACT LOCATION, SITE AND INVERT ON SITE

PROVIDE NEW WC AND MODIFY EXISTING SAN LINE TO CONNECT TO EXISTING WC DRAIN LINE



2 DRAINAGE - SECOND FLOOR ENLARGED PLAN  
M3101 Scale: 1 : 50

- GENERAL NOTES:
1. REFER TO SPECIFICATIONS FOR PLUMBING FIXTURE UNIT TYPES.
  2. PROVIDE SANITARY VENT FOR EACH NEW PLUMBING FIXTURE AND CONNECT TO EXISTING SANITARY VENT MAIN.
  3. PROVIDE P-TRAP FOR EACH PLUMBING FIXTURE AS PER OBC.
  4. ALL NEW FLOOR DRAINS SHALL BE C/W P-TRAP AND PRIMER.
  5. PROVIDE FIRE STOP FOR ALL PIPE PENETRATIONS THROUGH FIRE SEPERATIONS.
  6. ALL UNDERGROUND SANITARY PIPING SHALL BE MINIMUM 75mm DIA UNLESS OTHERWISE NOTED.



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CHECKED BY:  
**B.LIAO**

PROJECT MGR:  
**F.BOLOURIAN**

APPROVED BY:  
**S.LIU**

SHEET TITLE  
**DRAINAGE - SECOND  
FLOOR**

SHEET NUMBER

**G08-265-M3101**

ISSUE

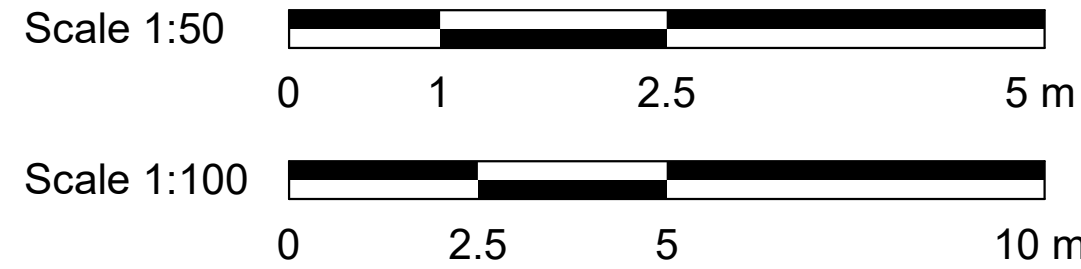
**E**

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10mm

SCALE CHECK  
1 in

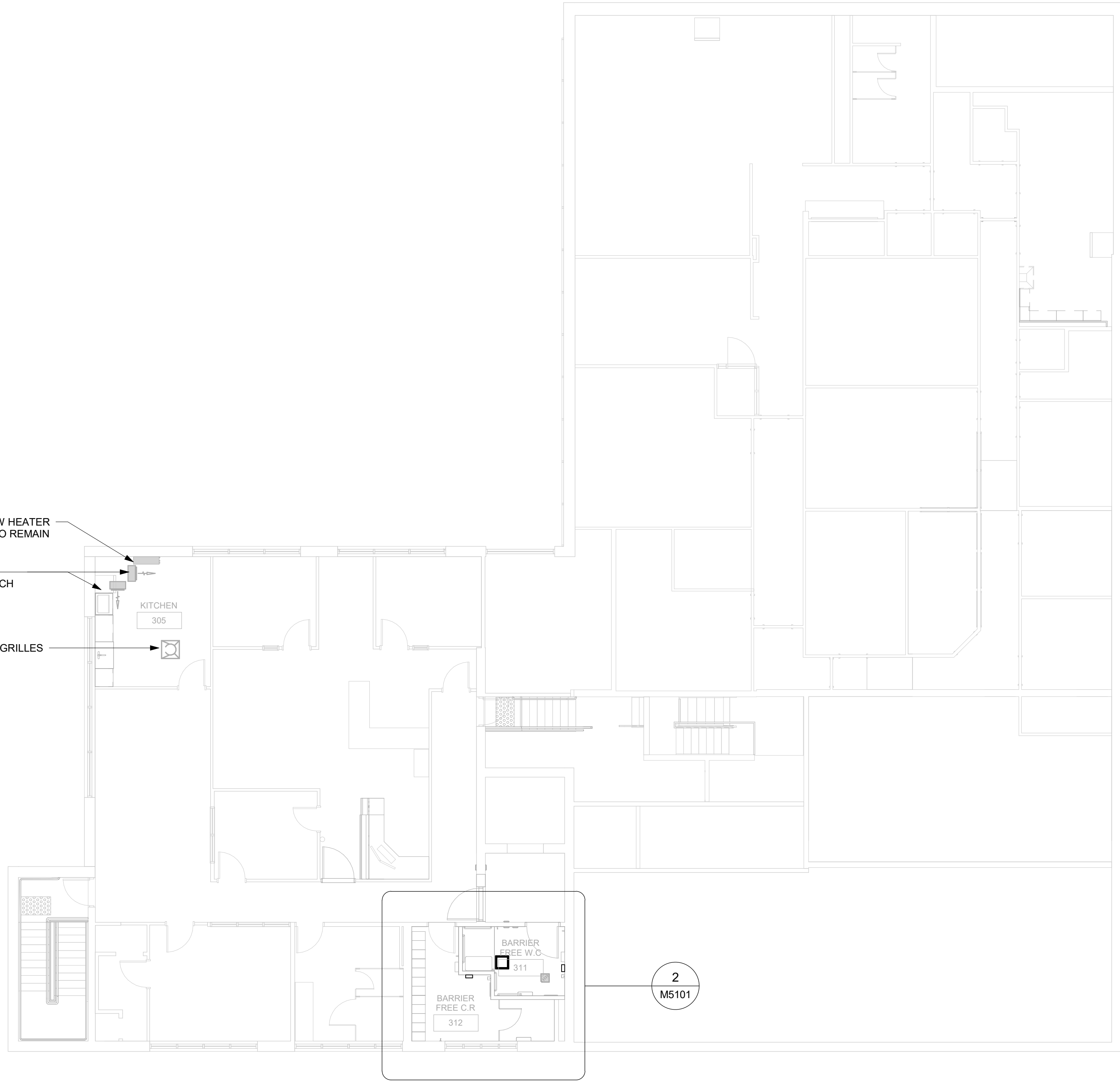
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EXISTING ELEC. FORCED FLOW HEATER  
AND ASSOCIATED CONTROL TO REMAIN

EXISTING UNIT HEATER AND  
ASSOCIATED CONTROL, BRANCH  
PIPING, VALVES TO REMAIN

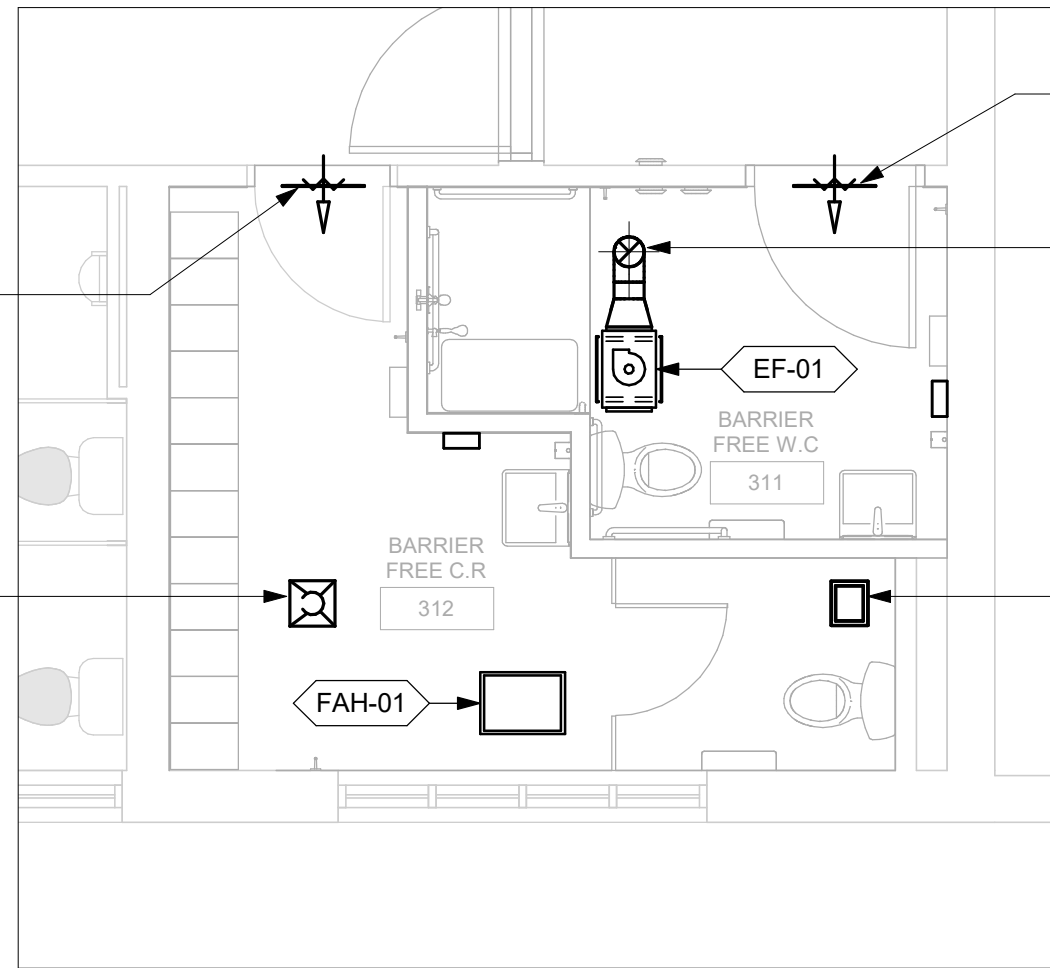
EXISTING S/A DIFFUSER & R/A GRILLES  
IN ROOM TO REMAIN



1 HVAC - SECOND FLOOR  
M5101 Scale: 1 : 100

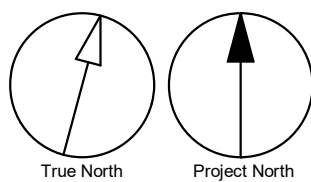
PROVIDE 500X250 DOOR  
GRILLE

RE-INSTALL EXISTING S/A  
DIFFUSER ON NEW CEILING,  
MODIFY/EXTEND EXISTING  
DUCTWORK IF REQUIRED



2 HVAC - SECOND FLOOR ENLARGED PLAN  
M5101 Scale: 1 : 50

GENERAL NOTES:  
1. ADD AND ADJUST DUCTS TO FIT NEW DIFFUSERS/GRILLES.



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**HVAC - SECOND FLOOR**

SHEET NUMBER

**G08-265-M5101**

ISSUE

**E**

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10mm

SCALE CHECK  
1 m