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No.	DESCRIPTION	DATE
00	ISSUED FOR CONSTRUCTION	2021-10-19

CONSULTANTS

SEAL



PRIME CONSULTANT

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 175 Galaxy Blvd, Unit 100
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PROJECT TITLE
CITY OF TORONTO
ACCESSIBILITY UPGRADES

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

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
MECHANICAL DRAWING
LIST

SHEET NUMBER **G08-265-M0001** **ISSUE** **00**

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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SHEET TITLE
 EQUIPMENT SCHEDULE

SHEET NUMBER
 G08-265-M0201 **ISSUE**
 00

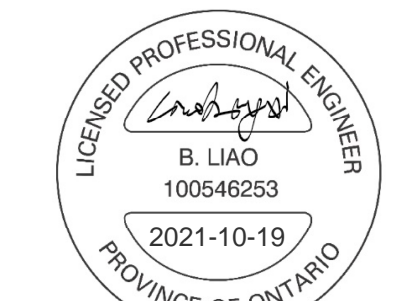
EXHAUST FAN SCHEDULE										
TAG NO.	SERVICE	MANUFACTURER/ MODEL NO.	CAPACITY (LPS)	S.P. (Pa)	FAN		MOTOR			NOTES
					TYPE		HP	RPM	V/Ph/Hz	
EF-01	311 - BARRIER FREE WR	GREENHECK MODEL SP-A190	71	93	CEILING FAN, DIRECT FAN		0.06	1400	115/1/60	CONTROLLED BY LIGHTING SWITCH, C/W DISCONNECT SWITCH BACKDRAFT 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 OACP2000	2	208/1/60	10.9	-	75	PROVIDE DISCONNECT SWITCH AND BUILT-IN THERMOSTAT	

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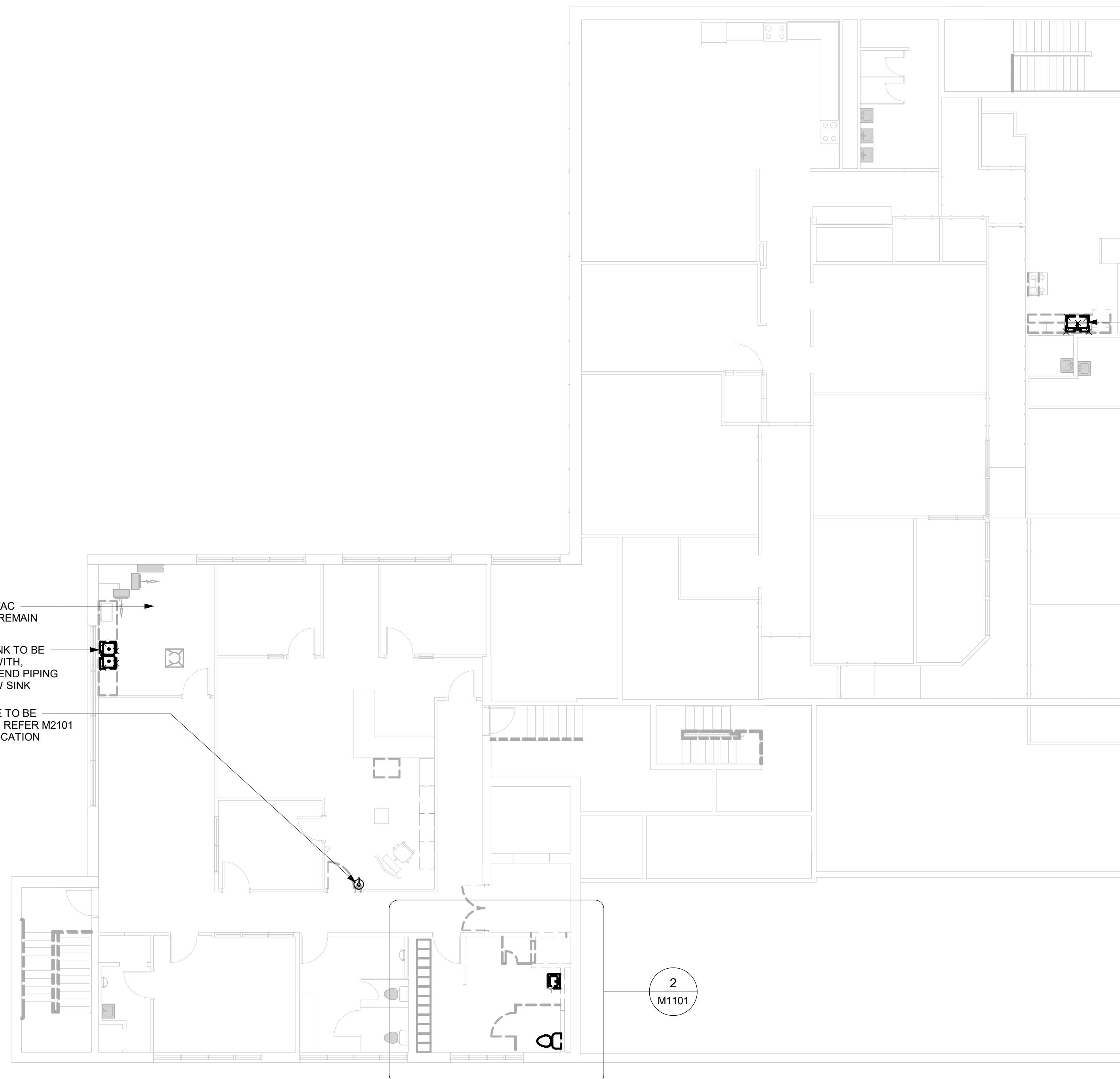
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 PROJECT MGR: **F.BOLOURIAN** APPROVED BY: **S.LIU**

SHEET TITLE
**DEMOLITION PLAN -
 SECOND FLOOR**

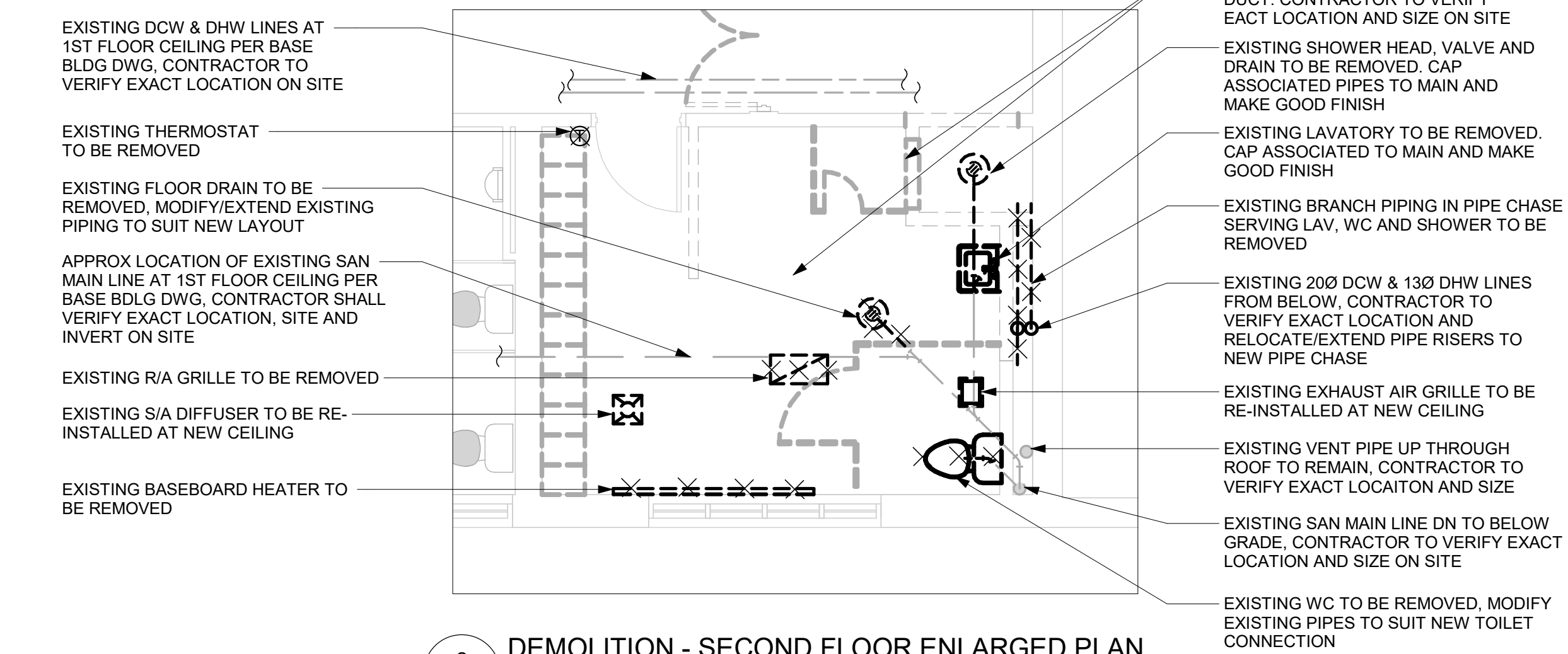
SHEET NUMBER **G08-265-M1101** ISSUE **00**



EXISTING SINK TO BE REPLACED WITH NEW

EXISTING HVAC SYSTEM TO REMAIN
 EXISTING SINK TO BE REPLACED WITH, MODIFY/EXTEND PIPING TO SUIT NEW SINK
 EXISTING F/E TO BE RELOCATED, REFER M2101 FOR NEW LOCATION

1 DEMOLITION - SECOND FLOOR
 M1101 Scale: 1 : 100

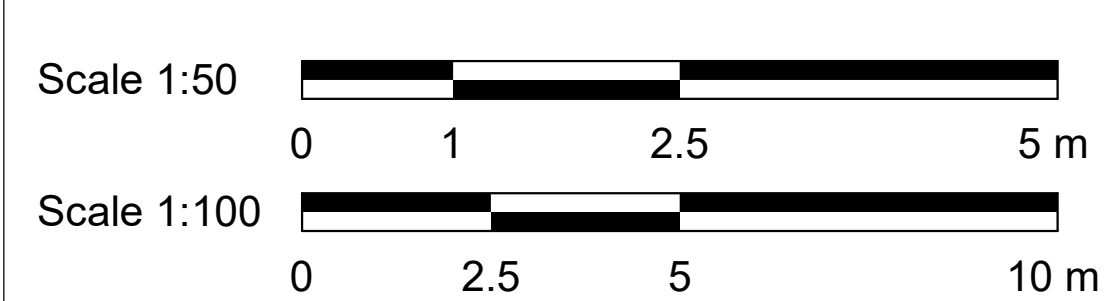
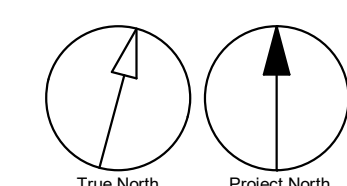


EXISTING DCW & DHW LINES AT 1ST FLOOR CEILING PER BASE BLDG DWG, CONTRACTOR TO VERIFY EXACT LOCATION ON SITE
 EXISTING THERMOSTAT TO BE REMOVED
 EXISTING FLOOR DRAIN TO BE REMOVED, MODIFY/EXTEND EXISTING PIPING TO SUIT NEW LAYOUT
 APPROX LOCATION OF EXISTING SAN MAIN LINE AT 1ST FLOOR CEILING PER BASE BLDG DWG, CONTRACTOR SHALL VERIFY EXACT LOCATION, SITE AND INVERT ON SITE
 EXISTING R/A GRILLE TO BE REMOVED
 EXISTING S/A DIFFUSER TO BE RE-INSTALLED AT NEW CEILING
 EXISTING BASEBOARD HEATER TO BE REMOVED

ASSUMED EXISTING EXHAUST DUCT, CONTRACTOR TO VERIFY EXACT LOCATION AND SIZE ON SITE
 EXISTING SHOWER HEAD, VALVE AND DRAIN TO BE REMOVED. CAP ASSOCIATED PIPES TO MAIN AND MAKE GOOD FINISH
 EXISTING LAVATORY TO BE REMOVED. CAP ASSOCIATED TO MAIN AND MAKE GOOD FINISH
 EXISTING BRANCH PIPING IN PIPE CHASE SERVING LAV, WC AND SHOWER TO BE REMOVED
 EXISTING 200 DCW & 130 DHW LINES FROM BELOW, CONTRACTOR TO VERIFY EXACT LOCATION AND RELOCATE/EXTEND PIPE RISERS TO NEW PIPE CHASE
 EXISTING EXHAUST AIR GRILLE TO BE RE-INSTALLED AT NEW CEILING
 EXISTING VENT PIPE UP THROUGH ROOF TO REMAIN, CONTRACTOR TO VERIFY EXACT LOCATION AND SIZE
 EXISTING SAN MAIN LINE DN TO BELOW GRADE, CONTRACTOR TO VERIFY EXACT LOCATION AND SIZE ON SITE
 EXISTING WC TO BE REMOVED, MODIFY EXISTING PIPES TO SUIT NEW TOILET CONNECTION

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.



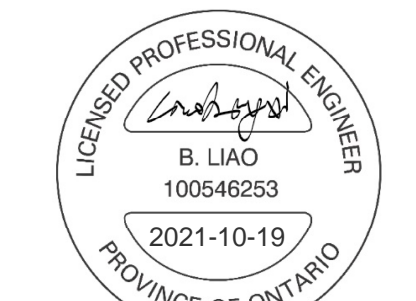
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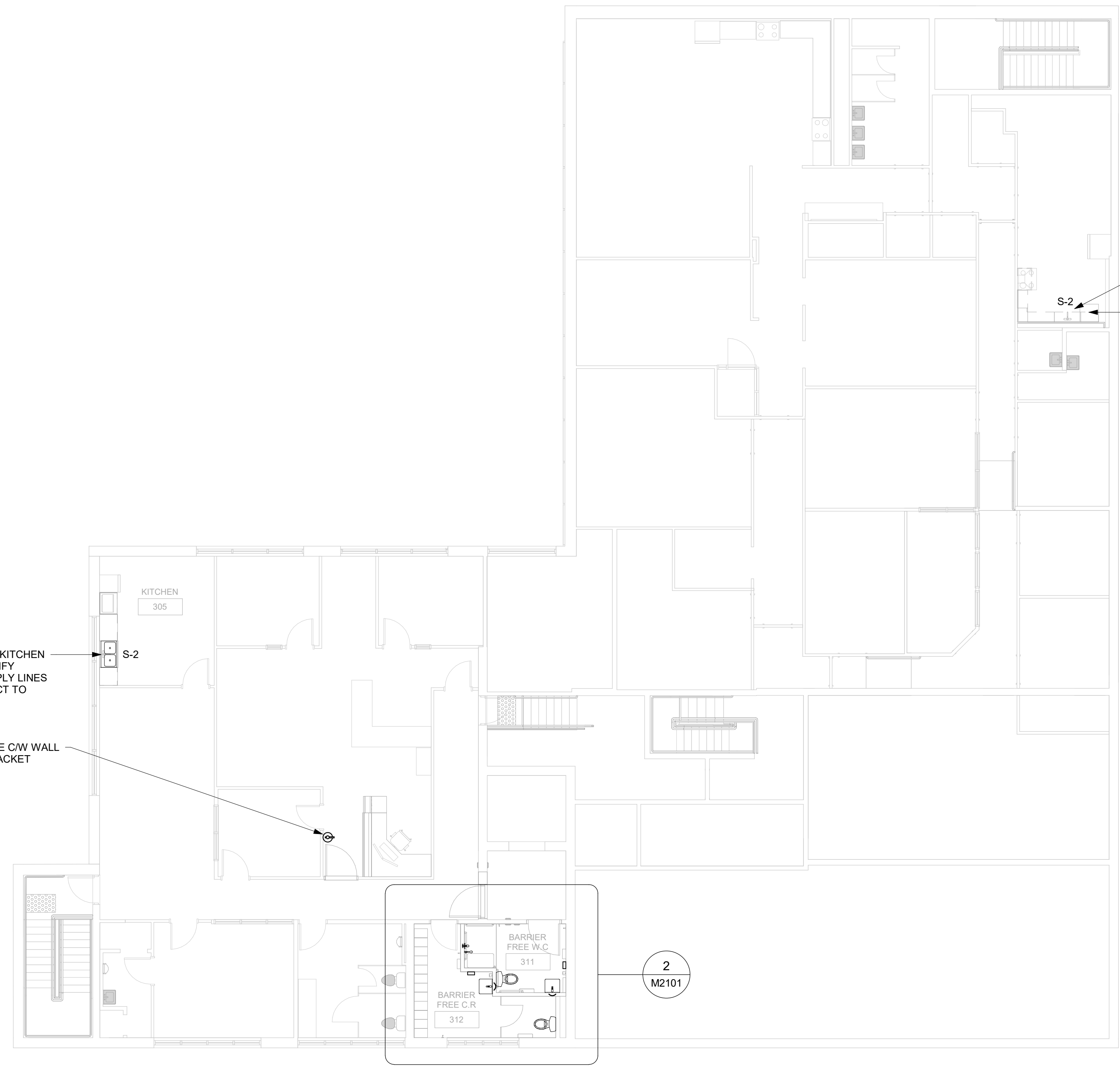
PROJECT TITLE
**CITY OF TORONTO
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PROJECT ADDRESS
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PROJECT NO:
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 DRAWN BY:
K.DURUKAN
 PROJECT MGR:
F.BOLOURIAN
 SHEET TITLE
PLUMBING - SECOND FLOOR

CHECKED BY:
B.LIAO
 APPROVED BY:
S.LIU

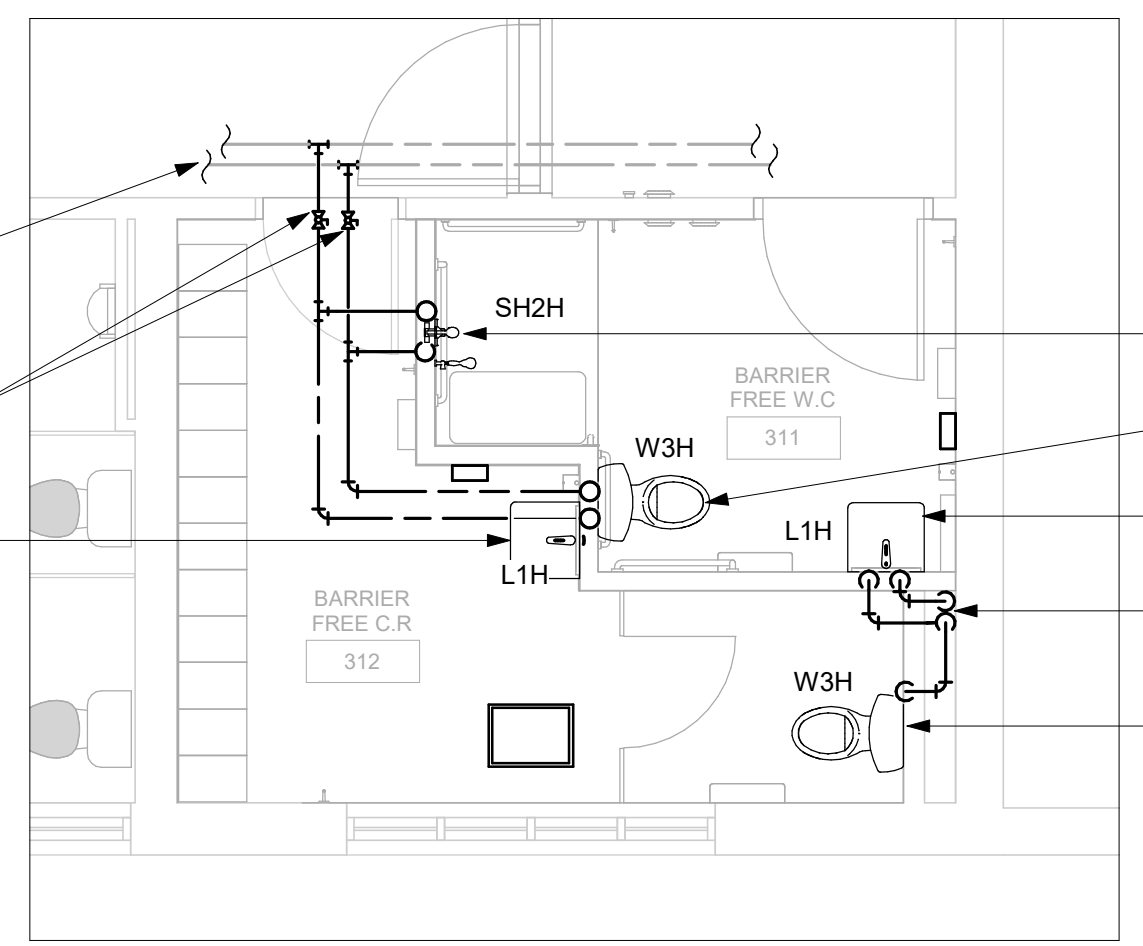
SHEET NUMBER
G08-265-M2101
 ISSUE
00



1 PLUMBING - SECOND FLOOR
 M2101 Scale: 1 : 100

PROVIDE NEW KITCHEN SINK
 CONNECT TO EXISTING SERVICES
 PROVIDE 13Ø DHW ROUGH-IN
 FOR DISH WASHER

PROVIDE NEW KITCHEN SINK AND MODIFY EXISTING SUPPLY LINES TO RE-CONNECT TO EXISTING
 RELOCATED F/E C/W WALL MOUNTING BRACKET

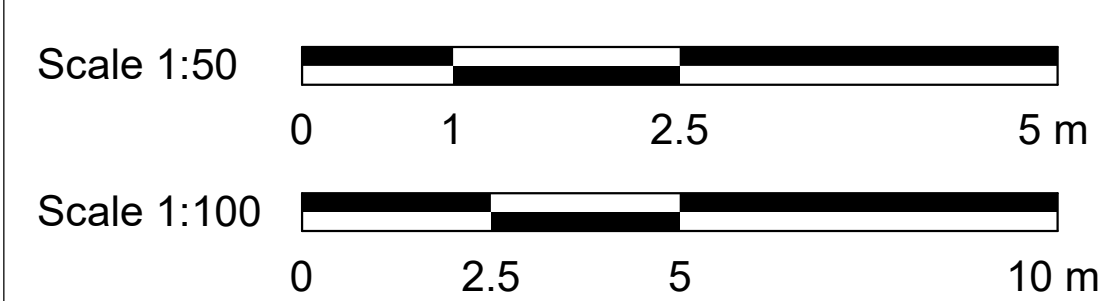
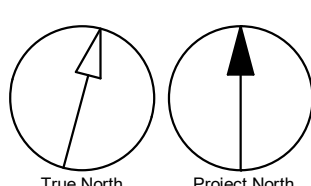


2 PLUMBING - SECOND FLOOR ENLARGED PLAN
 M2101 Scale: 1 : 50

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

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

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



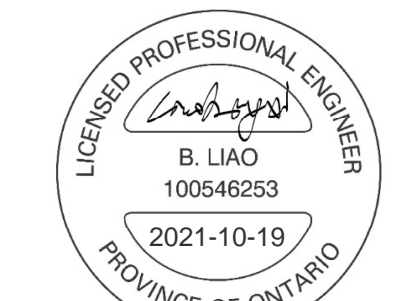
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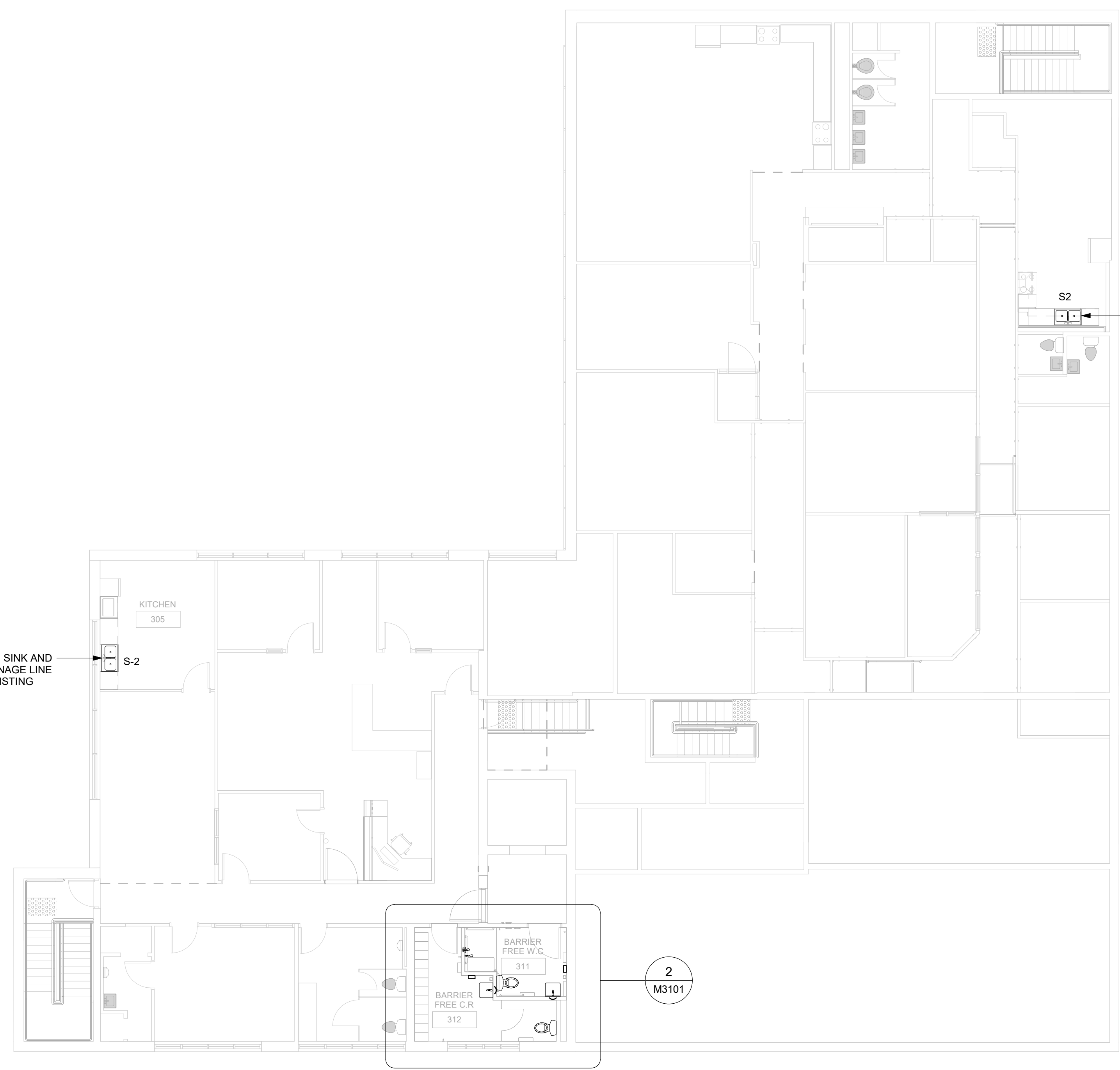
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PROJECT MGR: F.BOLOURIAN **APPROVED BY:** S.LIU

SHEET TITLE
 DRAINAGE - SECOND FLOOR

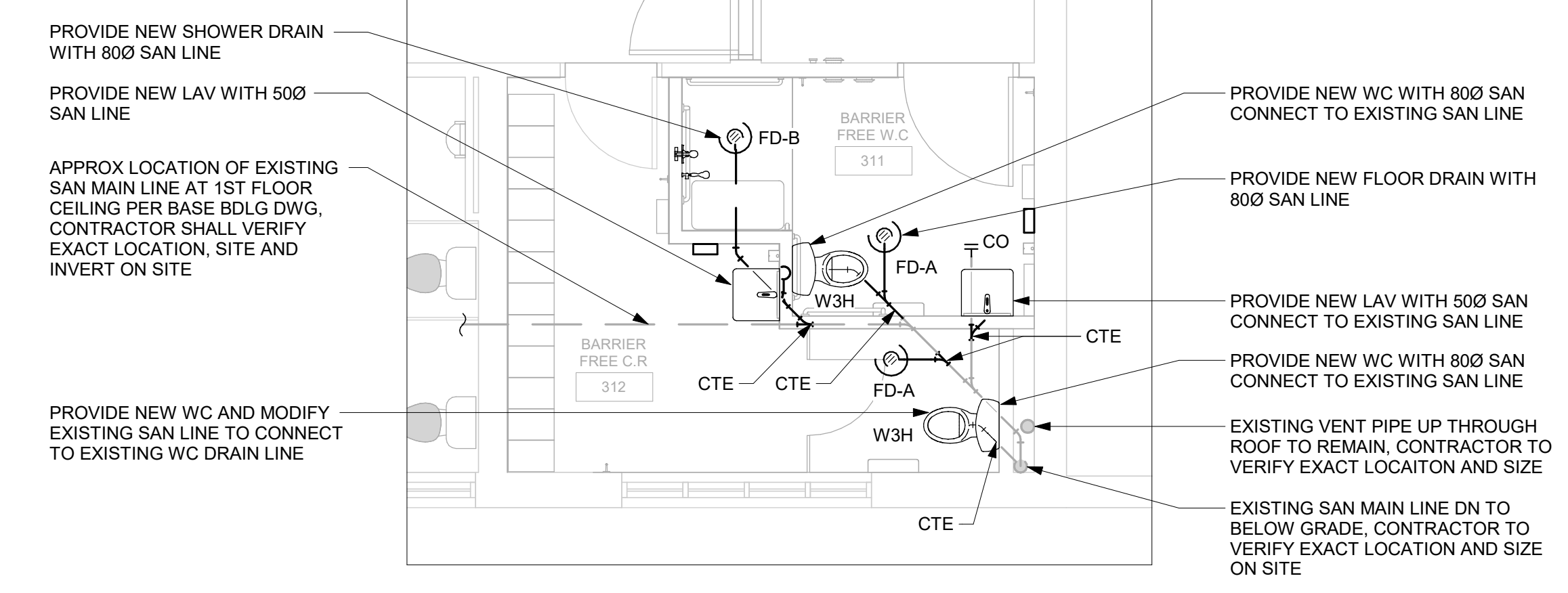
SHEET NUMBER
 G08-265-M3101 **ISSUE**
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1 DRAINAGE - SECOND FLOOR
 M3101 Scale: 1 : 100

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



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

PROVIDE NEW SHOWER DRAIN WITH 80Ø SAN LINE

PROVIDE NEW LAV WITH 50Ø 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

PROVIDE NEW WC WITH 80Ø SAN CONNECT TO EXISTING SAN LINE

PROVIDE NEW FLOOR DRAIN WITH 80Ø SAN LINE

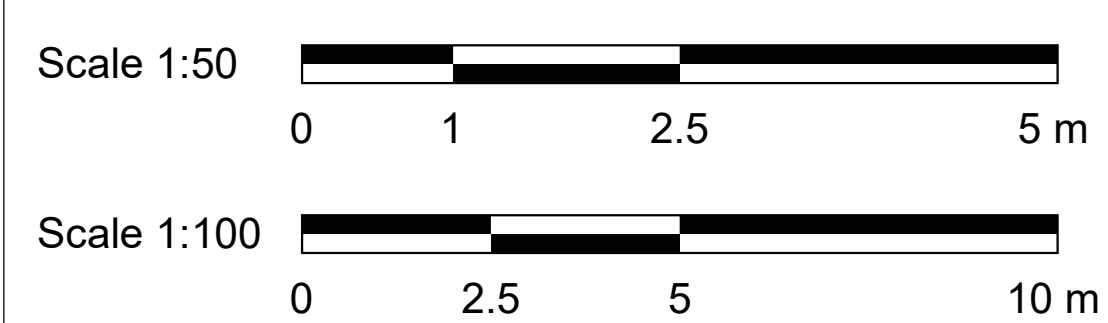
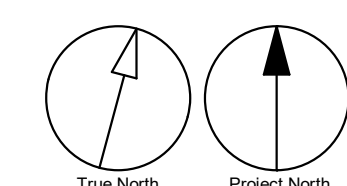
PROVIDE NEW LAV WITH 50Ø SAN CONNECT TO EXISTING SAN LINE

PROVIDE NEW WC WITH 80Ø SAN CONNECT TO EXISTING SAN LINE

EXISTING VENT PIPE UP THROUGH ROOF TO REMAIN, CONTRACTOR TO VERIFY EXACT LOCATION AND SIZE

EXISTING SAN MAIN LINE ON TO BELOW GRADE, CONTRACTOR TO VERIFY EXACT LOCATION AND SIZE ON SITE

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



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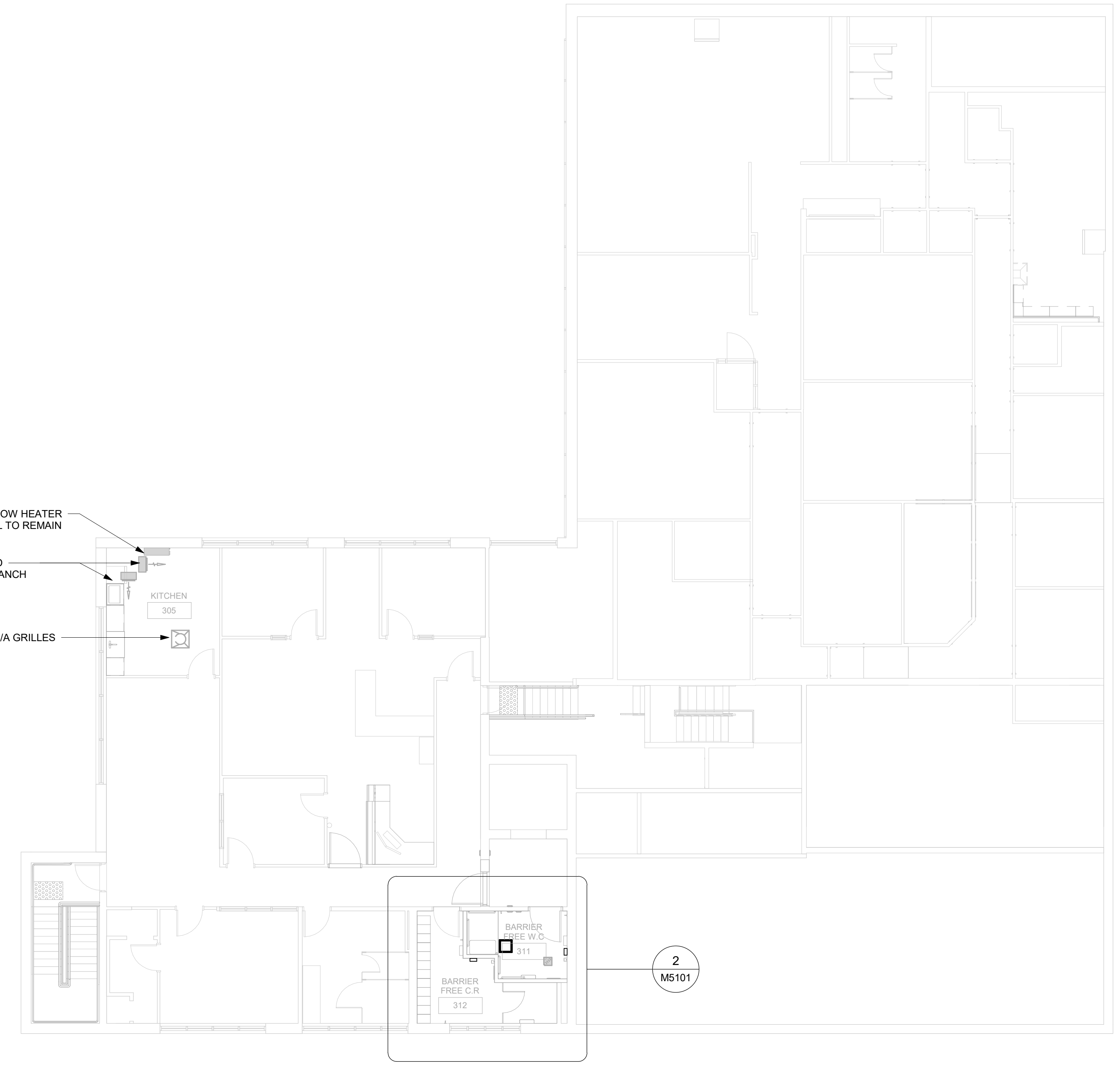
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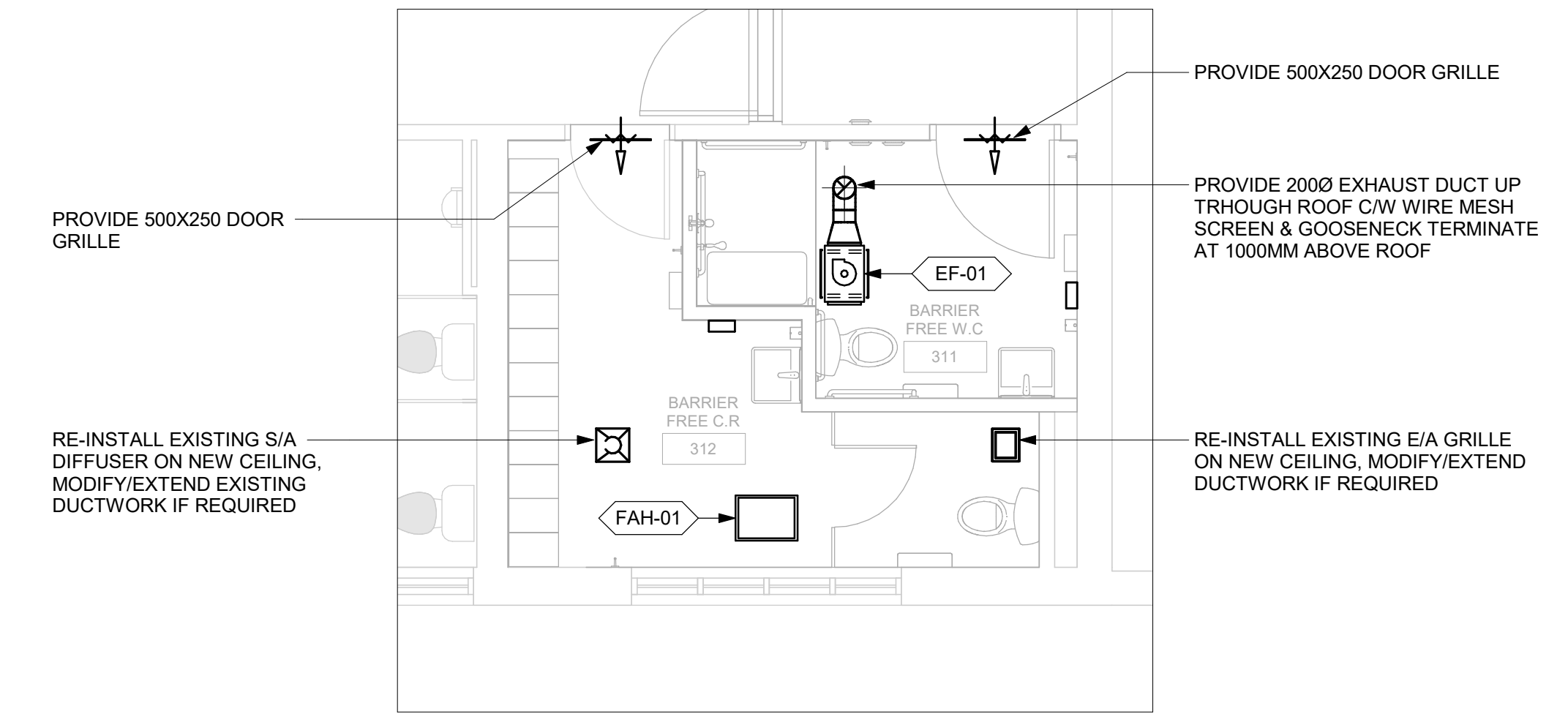
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SHEET TITLE
HVAC - SECOND FLOOR

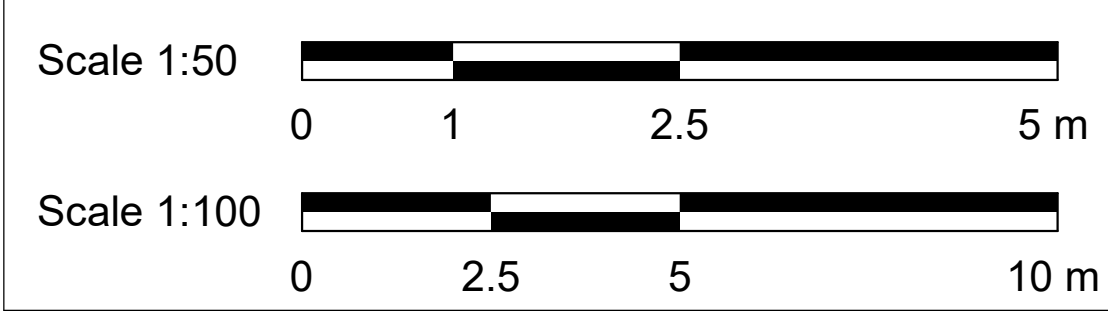
SHEET NUMBER **G08-265-M5101** ISSUE **00**



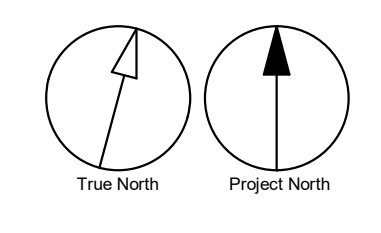
1 HVAC - SECOND FLOOR
 M5101 Scale: 1 : 100



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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