

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

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CITY OF TORONTO



Corporate Real Estate Management
Project Management Office
Metro Hall Toronto, ON
MSV 3C6

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ISSUES		
No.	DESCRIPTION	DATE
00	ISSUED FOR CONSTRUCTION	2023-03-13

CONSULTANTS

SEAL



PRIME CONSULTANT



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PROJECT TITLE
**CITY OF TORONTO
ACCESSIBILITY UPGRADES**

PROJECT ADDRESS

**FIRE HALL NO. 227
1904 QUEEN ST. E.**

PROJECT NO: 122260	
DRAWN BY: K.DURUKAN	CHECKED BY: B.LIAO
PROJECT MGR: F.BOLOURIAN	APPROVED BY: S.LIU

SHEET TITLE
**MECHANICAL DRAWING
LIST**

SHEET NUMBER G28-103-M0001	ISSUE 00
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ELECTRICAL HEATER SCHEDULE								
TAG NO.	SERVICE	MANUFACTURER/ MODEL NO.	CAPACITY OUTPUT (KW)	V/Ph/Hz	WEIGHT (KG)	FAN		NOTES
FAH-01	BARRIER FREE WASHROOM - 111	OUELLET OACP2000	2	240/1/60	10.9	POWER (KW)	FLOW (LPS)	PROVIDE DISCONNECT SWITCH AND BUILT-IN THERMOSTAT
						-	75	

EXHAUST FAN SCHEDULE									
TAG NO.	SERVICE	MANUFACTURER/ MODEL NO.	FAN			MOTOR			NOTES
			CAPACITY (LPS)	S.P. (Pa)	TYPE	HP	RPM	V/Ph/Hz	
EF-01	BARRIER FREE WASHROOM - 111	GREENHECK MODEL SP-B110ES	40	93	CEILING FAN, DIRECT DRIVE	0.04	-	115/1/60	CONTROLLED BY LIGHT SWITCH, C/W EXHAUST GRILLE, DISCONNECT SWITCH, BACKDRAFT DAMPER, ROUND DUCT CONNECTOR

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CITY OF TORONTO
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FIRE HALL NO. 227
1904 QUEEN ST. E.

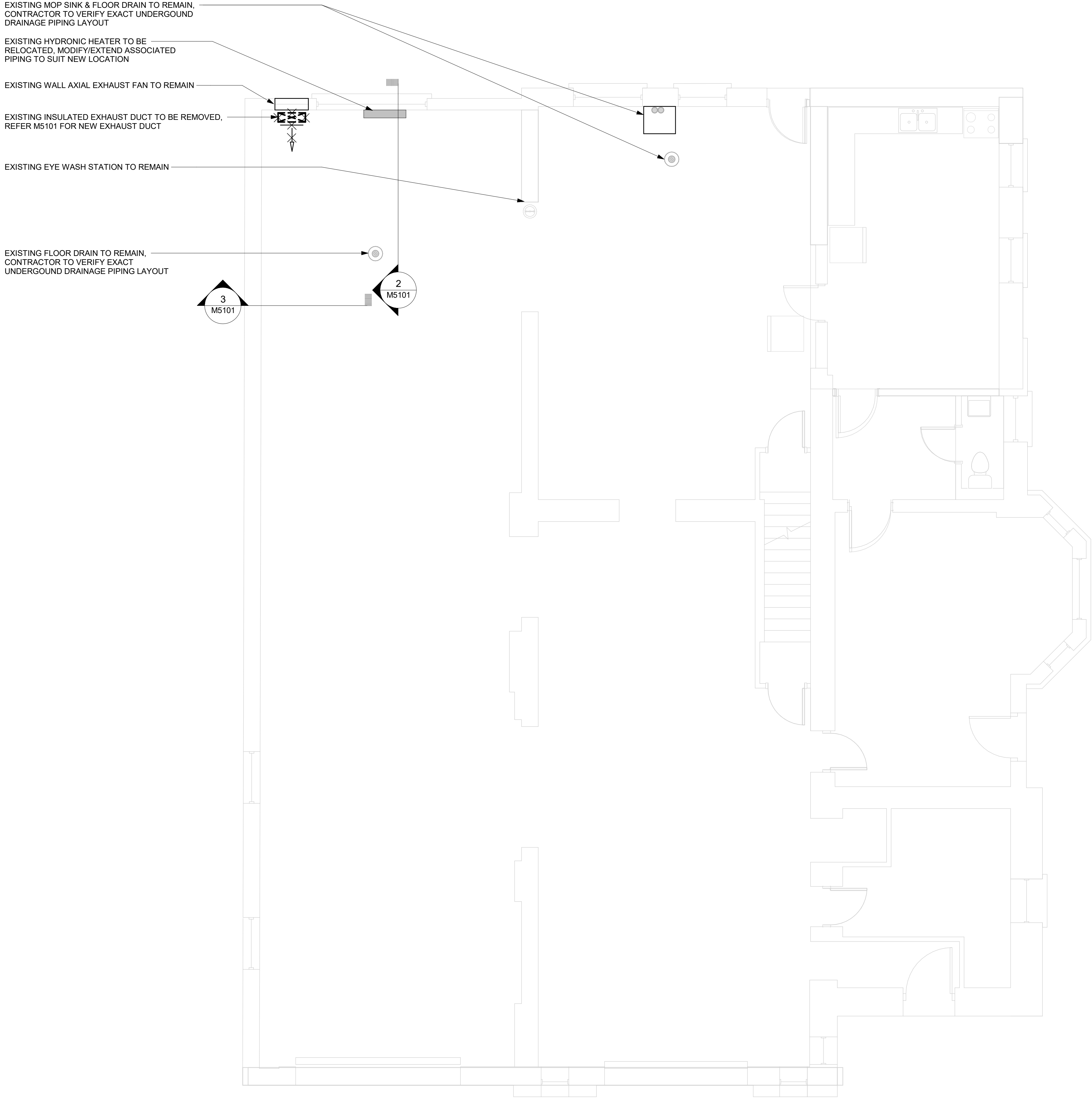
PROJECT NO:
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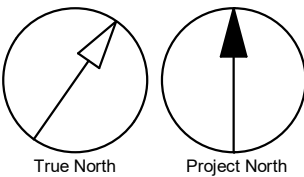
SHEET TITLE
EQUIPMENT SCHEDULE

SHEET NUMBER G28-103-M0201	ISSUE 00
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2023-03-06 11:49:52 AM




- 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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APPROVED BY:
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SHEET TITLE

DEMOLITION PLAN -

GROUND FLOOR

SHEET NUMBER

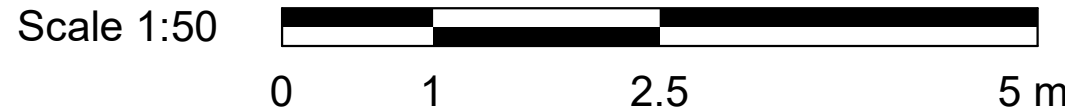
G28-103-M1101

ISSUE

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BIM 360/122260 - CoT TAU Upgrades R2020122260-TAU-28-103-1904QUEEN-M-F201.rvt 1/11

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PROVIDE NEW 200 DCW & 130 DHW LINES SERVING NEW WASHROOM, CONNECT FROM EXISTING DCW & DHW MAIN LINES SERVING EXISTING MOP SINK. CONTRACTOR SHALL VERIFY EXACT MAIN LINES LOCATION ON SITE. C/W SHUT-OFF VALVES FOR NEW WASHROOM BRANCH LINES

PROVIDE LAV C/W 130 DCW & DHW LINES

PROVIDE NEW TANK TYPE WC C/W 200 DCW LINE

EXISTING EYE WASH STATION TO REMAIN

CTE

C/W FIRE STOP ON WALL PENETRATION

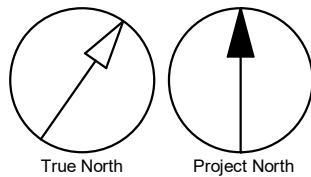
EXISTING DCW & DHW LINES SERVING EXISTING MOP SINK. CONTRACTOR TO VERIFY EXACT LOCATION AND SIZE ON SITE

UNIVERSAL WASHROOM
112

L1H

W3H

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



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SHEET TITLE
**PLUMBING - GROUND
FLOOR**

SHEET NUMBER

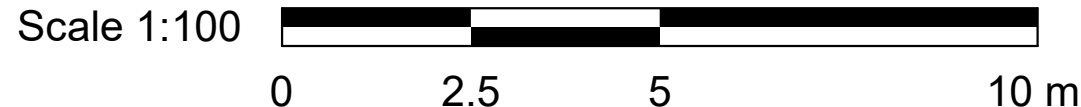
G28-103-M2101

ISSUE

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EXISTING MOP SINK & FLOOR DRAIN TO REMAIN,
CONTRACTOR TO VERIFY EXACT UNDERGROUND
DRAINAGE PIPING LAYOUT

PROVIDE NEW LAV C/W 50Ø SAN LINE

PROVIDE FLOOR DRAIN C/W 75Ø SAN LINE

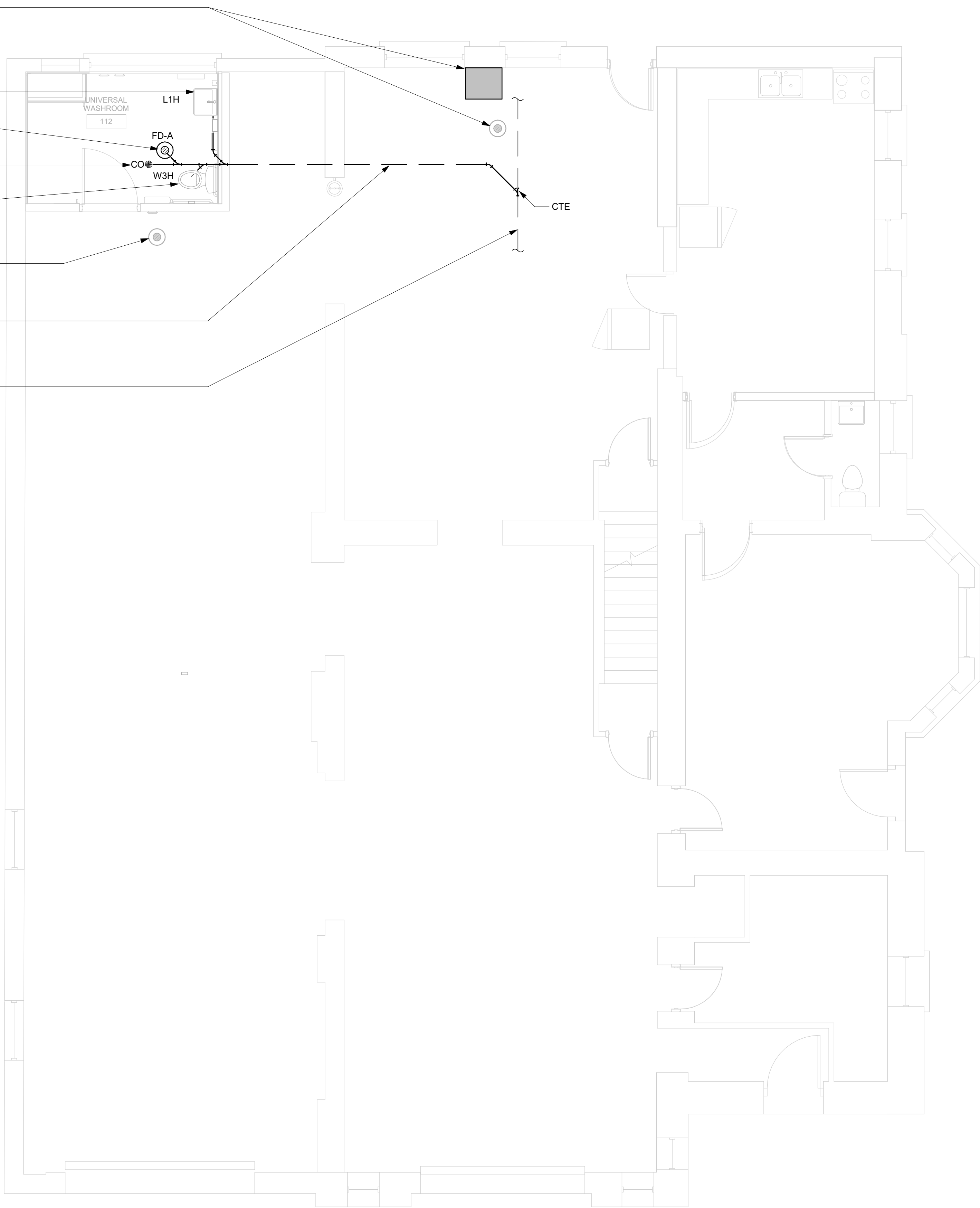
PROVIDE NEW CO

PROVIDE NEW TANK TYPE WC C/W 75Ø SAN LINE

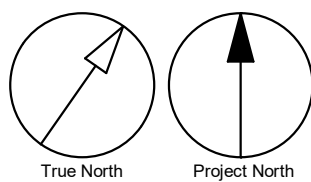
EXISTING FLOOR DRAIN TO REMAIN, CONTRACTOR TO
VERIFY EXACT UNDERGROUND DRAINAGE PIPING LAYOUT

PROVIDE NEW 75Ø SAN LINE SERVING NEW WASHROOM,
CONNECT TO SANITARY MAIN AND CONTRACTOR SHALL
VERIFY EXACT EXISTING MAIN LINE FUNCTION,
CONTRACTOR TO VERIFY EXACT LOCATION, SIZE AND
INVERT ON SITE

ASSUMED EXISTING SAN MAIN LINE IN CRAWL SPACE,
CONTRACTOR SHALL VERIFY EXACT LOCATION, SIZE
AND INVERT 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 75mmØ UNLESS OTHERWISE NOTED.



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F.BOLOURIAN

APPROVED BY:
S.LIU

SHEET TITLE
**DRAINAGE - GROUND
FLOOR**

SHEET NUMBER

G28-103-M3101

ISSUE

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2023-03-06 11:49:54 AM

Scale 1:50

0 1 2.5 5 m

1 HVAC - GROUND FLOOR
M5101 Scale: 1 : 50

PROVIDE NEW CEILING MOUNTED ELEC. HEATER, C/W BUILT-IN THERMOSTAT

EXISTING EXHAUST FAN WORKING AT 3300CFM AS PER EXISTING DRAWINGS, CONTRACTOR TO TEST EXHAUST RATE ON SITE AND INFORM IBI PRIOR TO CONSTRUCTION

PROVIDE NEW 900x300 INSULATED EXHAUST DUCT CONNECT TO EXISTING WALL AXIAL EXHAUST FAN, C/W BACKDRAFT DAMPER

RUN NEW 900x300 INSULATED EXHAUST DUCT ABOVE WASHROOM STRUCTURE

PROVIDE NEW 900x300 INSULATED EXHAUST DUCT BRANCH, C/W AIR BALANCE DAMPER AND 900x300 EH PRICE 530 SERIES LOUVERED RETURN GRILLE, SET EXHAUST RATE TO 1650CFM

PROVIDE 1500 EXHAUST DUCT THROUGH EXTERIOR WALL AT HIGH LEVEL C/W BACKDRAFT DAMPER, WIREMESH AND WEATHERHOOD

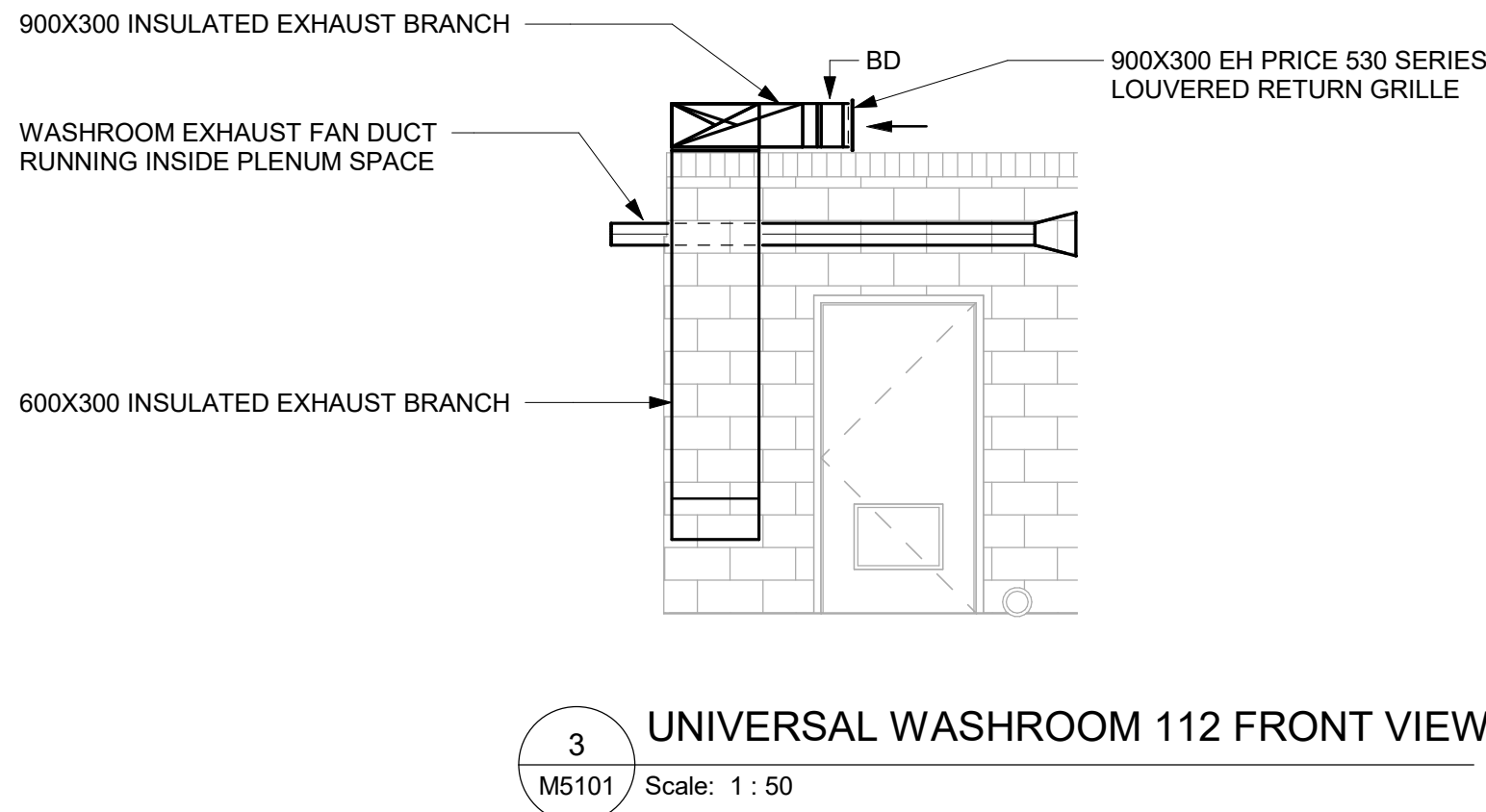
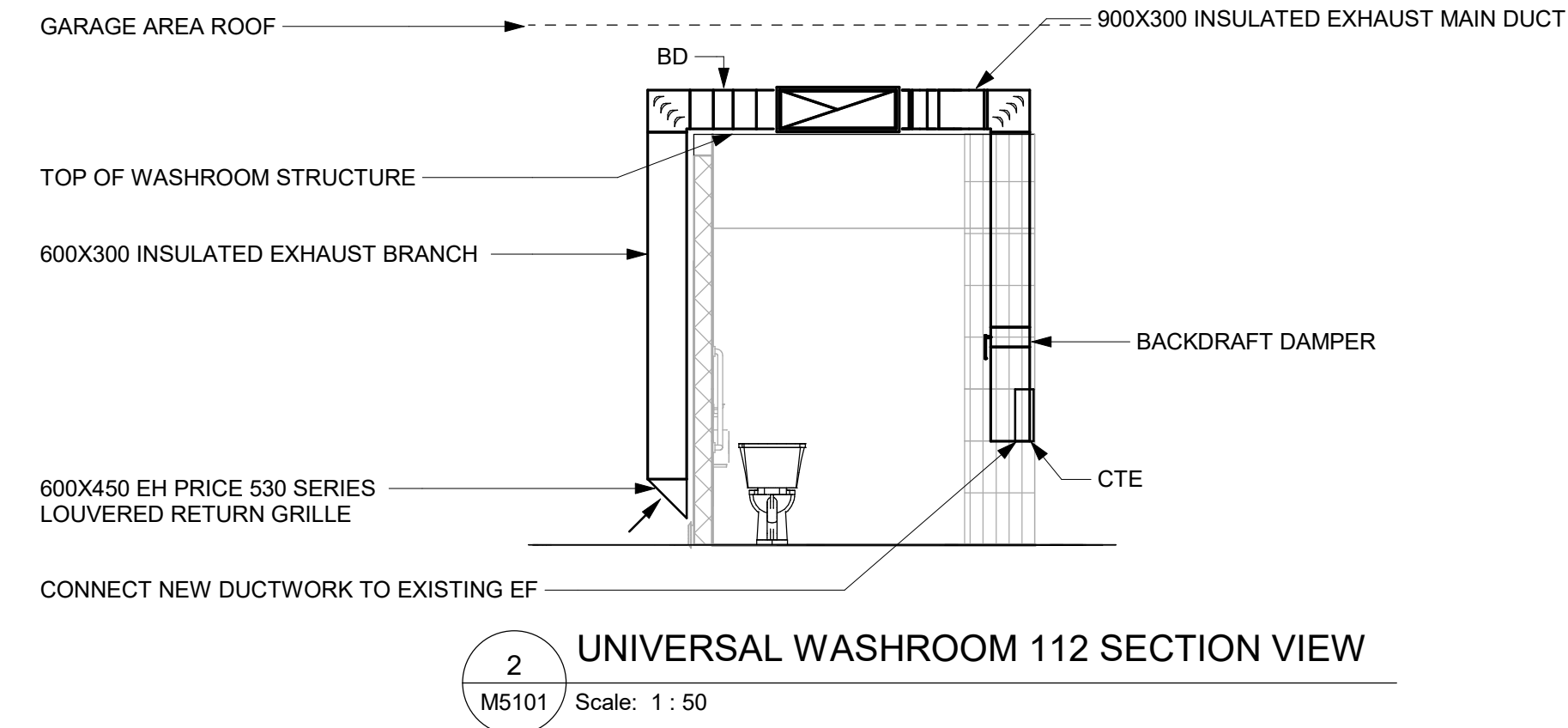
PROVIDE NEW 600x300 INSULATED EXHAUST DUCT BRANCH TO LOW LEVEL, C/W AIR BALANCE DAMPER AND 600x450 EH PRICE 530 SERIES LOUVERED RETURN GRILLE, SET EXHAUST RATE TO 1650CFM

EXTEND EXISTING HYDRONIC PIPING HWS & HWR LINES IN C/WAL SPACE TO SUTI NEW HEATER LOCATION, CONTRACTOR SHALL VERIFY EXACT PIPING LAYOUT ON SITE, C/W FIRE STOP ON WALL PENETRATION

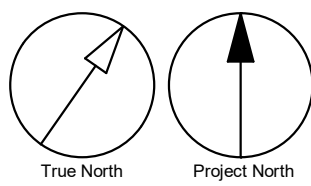
RELOCATED HYDRONIC HEATER

PROVIDE NEW EXHAUST FAN CONTROLLED BY LIGHTING SWITCH

PROVIDE NEW 500X250 FIRE RATED DOOR GRILLE



GENERAL NOTES:
1. ADD AND ADJUST DUCTS TO FIT NEW DIFFUSERS/GRILLES.
2. THERMOSTATS TO BE MOUNTED AT 1200mm A.F.F.



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PROJECT MGR:
F.BOLOURIAN

APPROVED BY:
S.LIU

SHEET TITLE

HVAC - GROUND FLOOR

SHEET NUMBER

G28-103-M5101

ISSUE

00

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