

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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No.	DESCRIPTION	DATE
A	50% SUBMISSION	2021-09-23
B	90% SUBMISSION	2022-01-04
C	ISSUED FOR PERMIT	2022-01-04
D	ISSUED FOR TENDER	2022-11-01

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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 D
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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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E	ADDENDUM-01	2022-11-07

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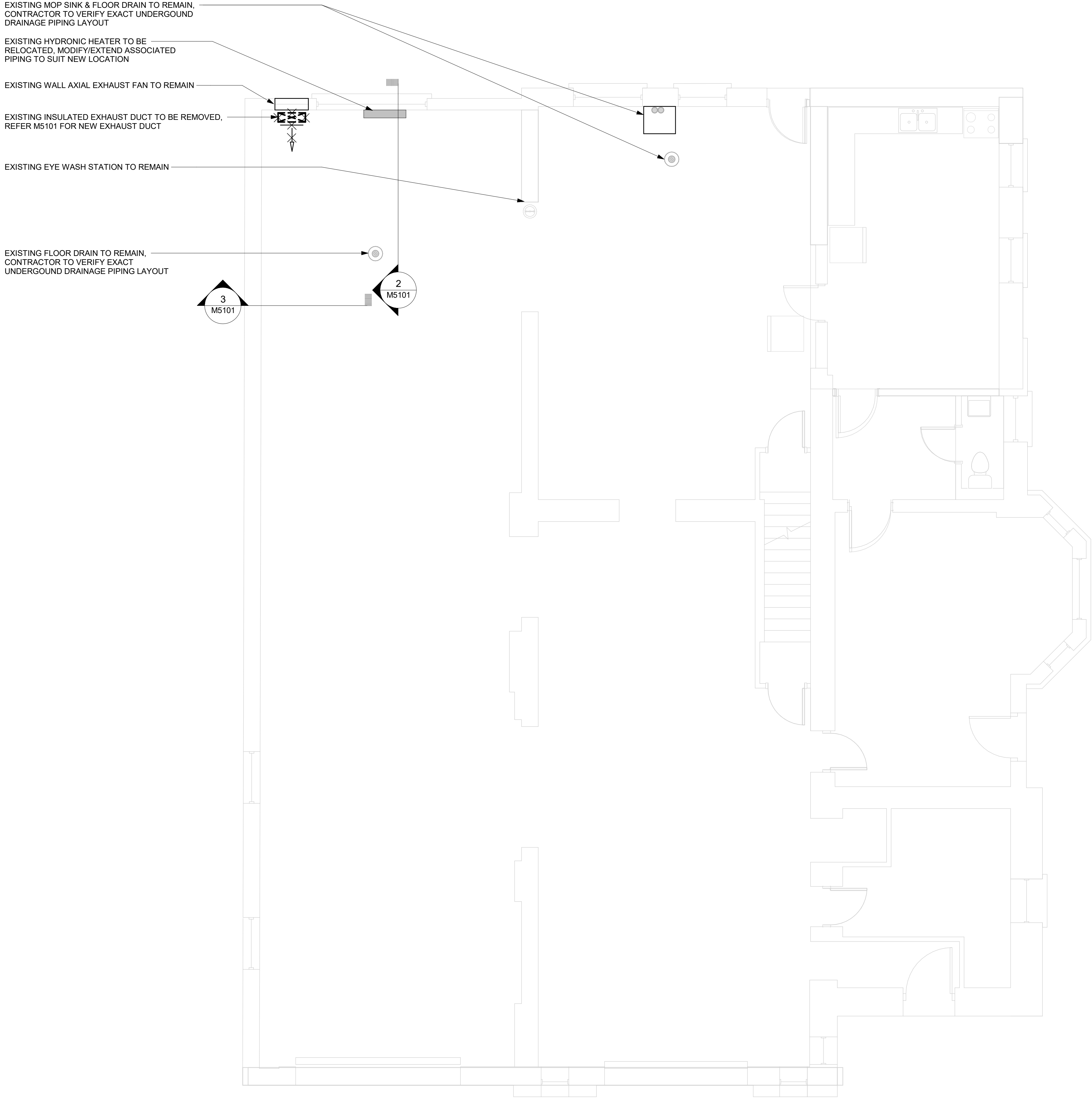
PROJECT ADDRESS  
  
FIRE HALL NO. 227  
1904 QUEEN ST. E.

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

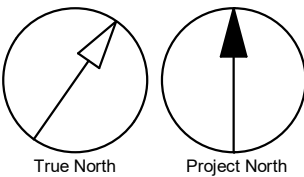
SHEET TITLE  
EQUIPMENT SCHEDULE

SHEET NUMBER G28-103-M0201	ISSUE E
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- 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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F	ADDENDUM-02	2023-01-09

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PROJECT MGR:  
F.BOLOURIAN

APPROVED BY:  
S.LIU

SHEET TITLE

DEMOLITION PLAN -  
GROUND FLOOR

SHEET NUMBER

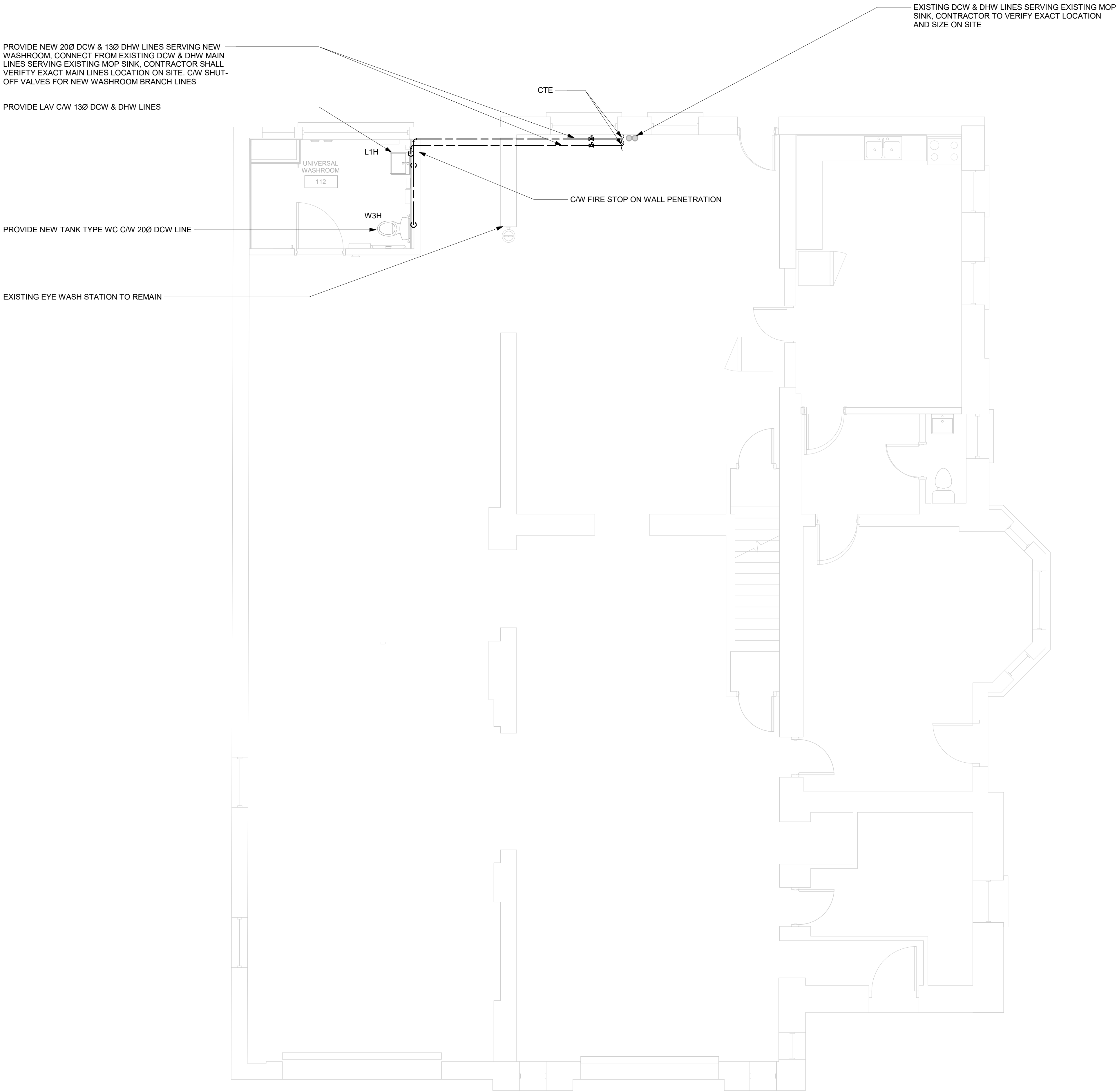
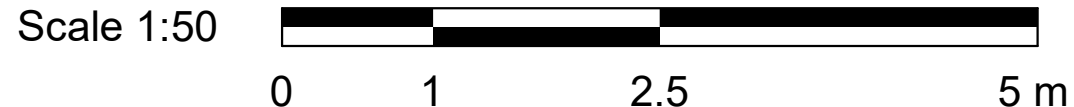
G28-103-M1101

ISSUE

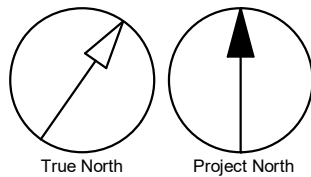
F

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

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- 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

**E**

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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

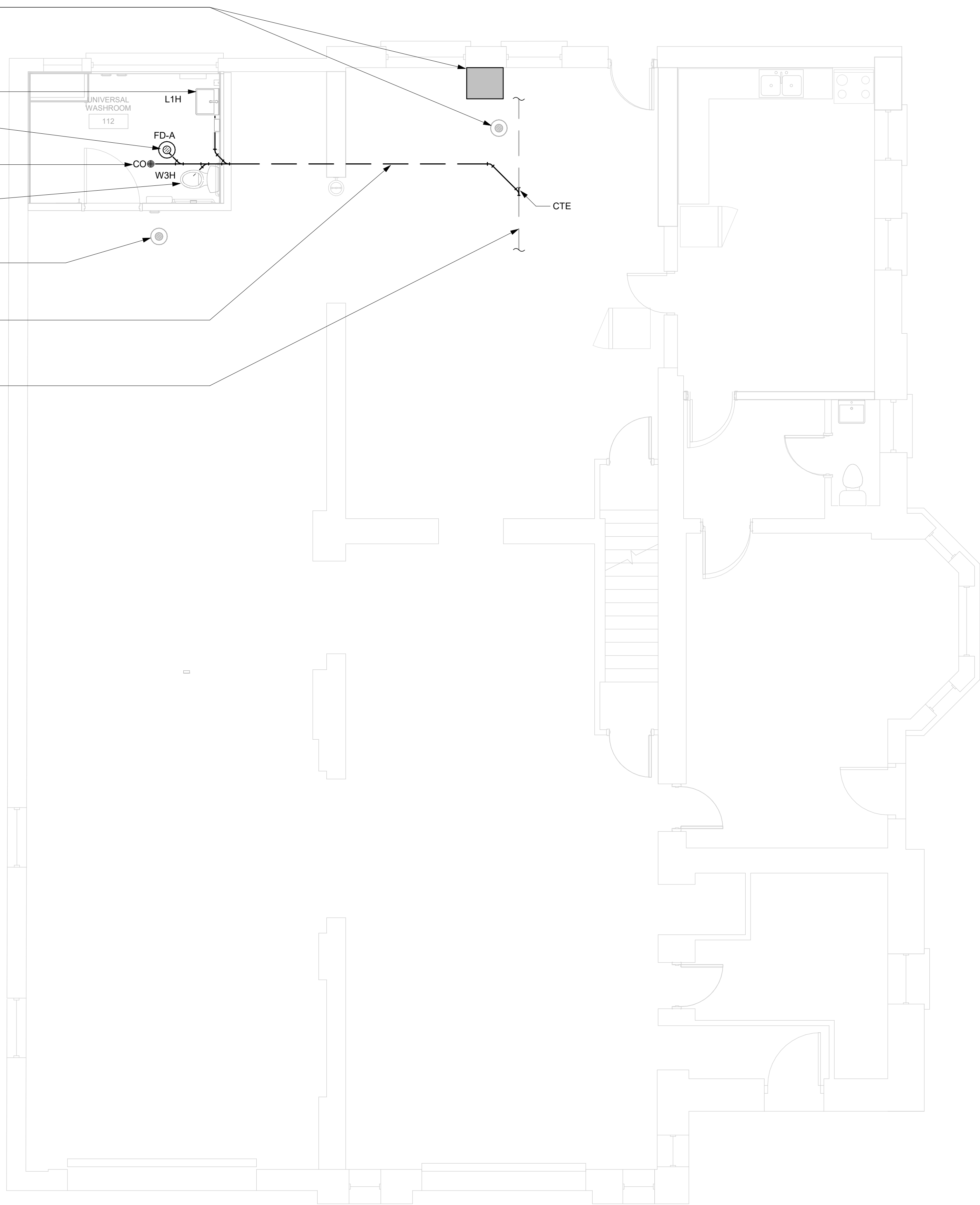
PROVIDE NEW CO

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

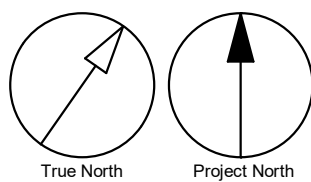
EXISTING FLOOR DRAIN TO REMAIN, CONTRACTOR TO  
VERIFY EXACT UNDERGROUND DRAINAGE PIPING LAYOUT

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:
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 75mmØ UNLESS OTHERWISE NOTED.



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CHECKED BY:  
**B.LIAO**

PROJECT MGR:  
**F.BOLOURIAN**

APPROVED BY:  
**S.LIU**

SHEET TITLE  
**DRAINAGE - GROUND  
FLOOR**

SHEET NUMBER

**G28-103-M3101**

ISSUE

**D**

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Scale 1:50

0 1 2.5 5 m

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

FAH-01

BD

UNIVERSAL WASHROOM 112

EF-01

PROVIDE NEW EXHAUST FAN CONTROLLED BY LIGHTING SWITCH

PROVIDE NEW 500X250 FIRE RATED DOOR GRILLE

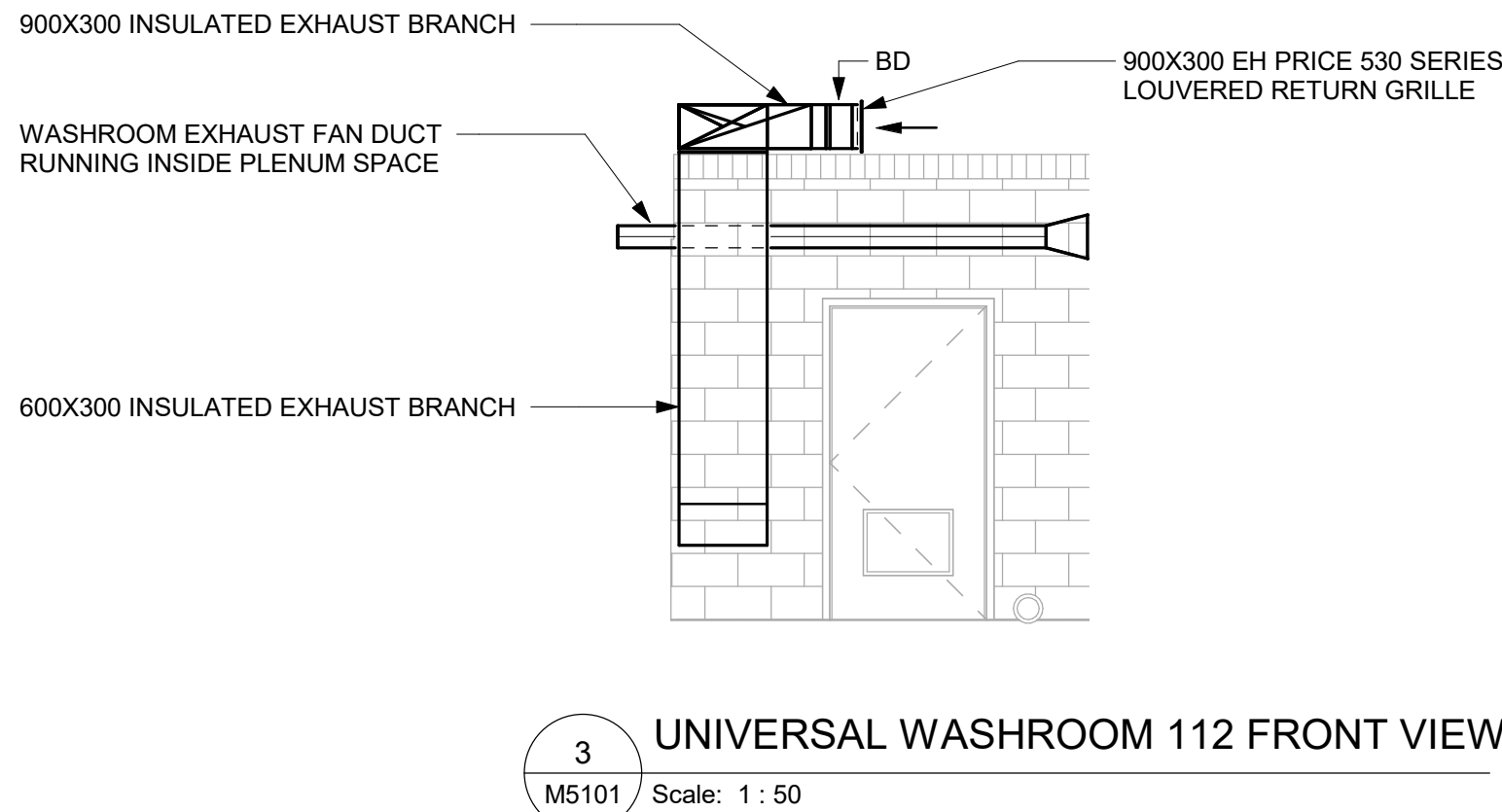
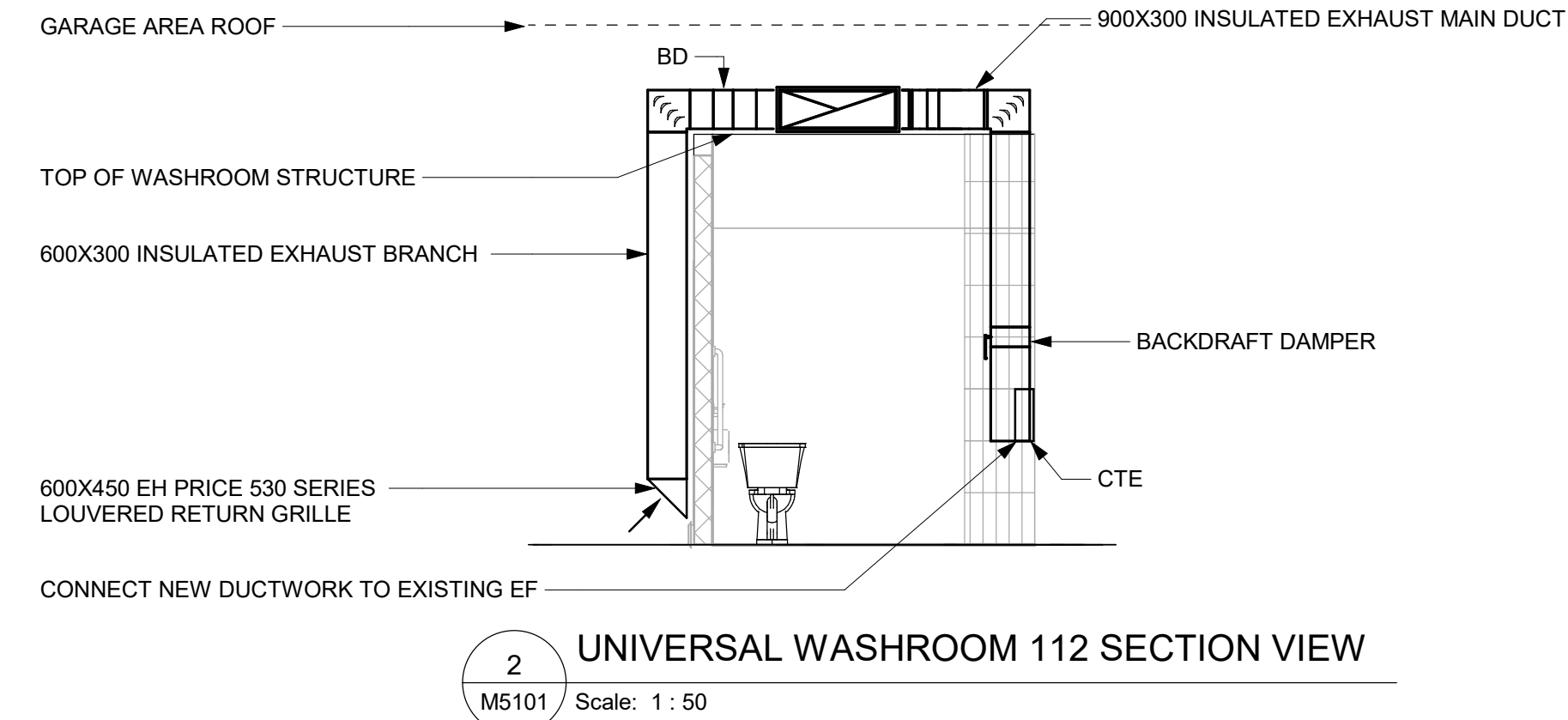
CTE

3 M5101

2 M5101

1 HVAC - GROUND FLOOR

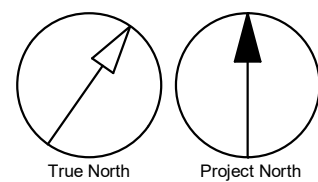
M5101 Scale: 1 : 50



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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CHECKED BY:  
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PROJECT MGR:  
F.BOLOURIAN

APPROVED BY:  
S.LIU

SHEET TITLE

HVAC - GROUND FLOOR

SHEET NUMBER

G28-103-M5101

ISSUE

F

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