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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. 226  
 87 MAIN STREET

**PROJECT NO:**  
 122260

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

**SHEET TITLE**  
 MECHANICAL DRAWING  
 LIST

<b>SHEET NUMBER</b> G28-314-M0001	<b>ISSUE</b> D
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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

CLIENT



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**SHEET TITLE**  
EQUIPMENT SCHEDULE

<b>SHEET NUMBER</b> G28-314-M0201	<b>ISSUE</b> D
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**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	SHOWER - 103	OUELLET OAC02000-T	2	240/1/60	10.9	-	75	PROVIDE DISCONNECT SWITCH AND BUILT-IN THERMOSTAT
FAH-02	UNIVERSAL WR - 215	OUELLET OACP2000	2	240/1/60	10.9	-	75	PROVIDE DISCONNECT SWITCH AND BUILT-IN THERMOSTAT

**EXHAUST FAN SCHEDULE**

TAG NO.	SERVICE	MANUFACTURER/ MODEL NO.	CAPACITY (LPS)		S.P. (Pa)		FAN			MOTOR			NOTES
			35	86	CEILING FAN, DIRECT DRIVE	HP	RPM	V/Ph/Hz					
EF-01	UNIVERSAL WR - 215	GREENHECK MODEL SP-A125	35	86	CEILING FAN, DIRECT DRIVE	0.03	1100	115/1/60	CONTROLLED BY LIGHTING SWITCH, C/W EXHAUST GRILLE, DISCONNECT SWITCH, BACKDRAFT DAMPER, ROUND DUCT CONNECTOR				

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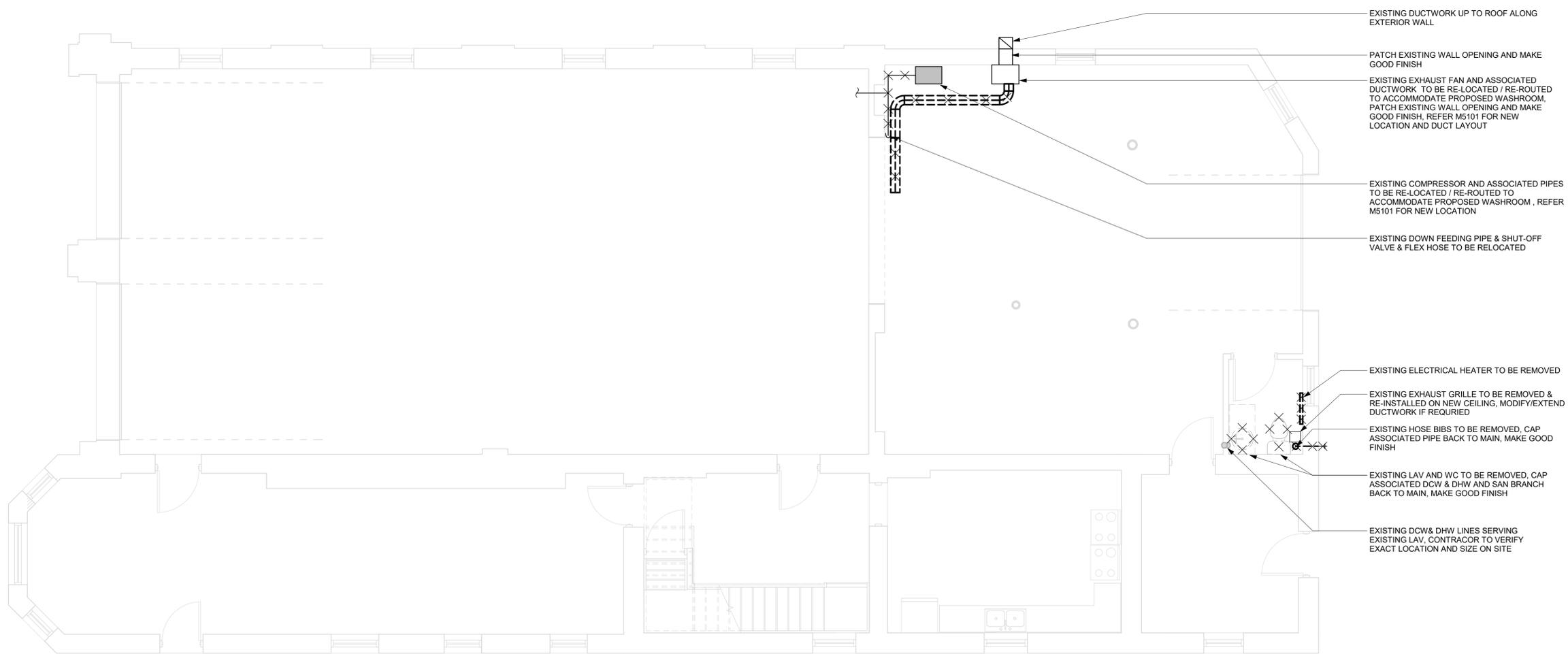
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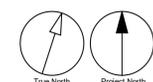
**SHEET TITLE**  
 DEMOLITION PLAN -  
 GROUND FLOOR

<b>SHEET NUMBER</b> G28-314-M1101	<b>ISSUE</b> D
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- EXISTING DUCTWORK UP TO ROOF ALONG EXTERIOR WALL
- PATCH EXISTING WALL OPENING AND MAKE GOOD FINISH
- EXISTING EXHAUST FAN AND ASSOCIATED DUCTWORK TO BE RE-LOCATED / RE-ROUTED TO ACCOMMODATE PROPOSED WASHROOM, PATCH EXISTING WALL OPENING AND MAKE GOOD FINISH, REFER M5101 FOR NEW LOCATION AND DUCT LAYOUT
- EXISTING COMPRESSOR AND ASSOCIATED PIPES TO BE RE-LOCATED / RE-ROUTED TO ACCOMMODATE PROPOSED WASHROOM, REFER M5101 FOR NEW LOCATION
- EXISTING DOWN FEEDING PIPE & SHUT-OFF VALVE & FLEX HOSE TO BE RELOCATED
- EXISTING ELECTRICAL HEATER TO BE REMOVED
- EXISTING EXHAUST GRILLE TO BE REMOVED & RE-INSTALLED ON NEW CEILING, MODIFY/EXTEND DUCTWORK IF REQUIRED
- EXISTING HOSE BIBS TO BE REMOVED, CAP ASSOCIATED PIPE BACK TO MAIN, MAKE GOOD FINISH
- EXISTING LAV AND WC TO BE REMOVED, CAP ASSOCIATED DCW & DHW AND SAN BRANCH BACK TO MAIN, MAKE GOOD FINISH
- EXISTING DCW & DHW LINES SERVING EXISTING LAV, CONTRACTOR TO VERIFY EXACT LOCATION AND SIZE ON SITE

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



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 CITY OF TORONTO  
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**PROJECT ADDRESS**

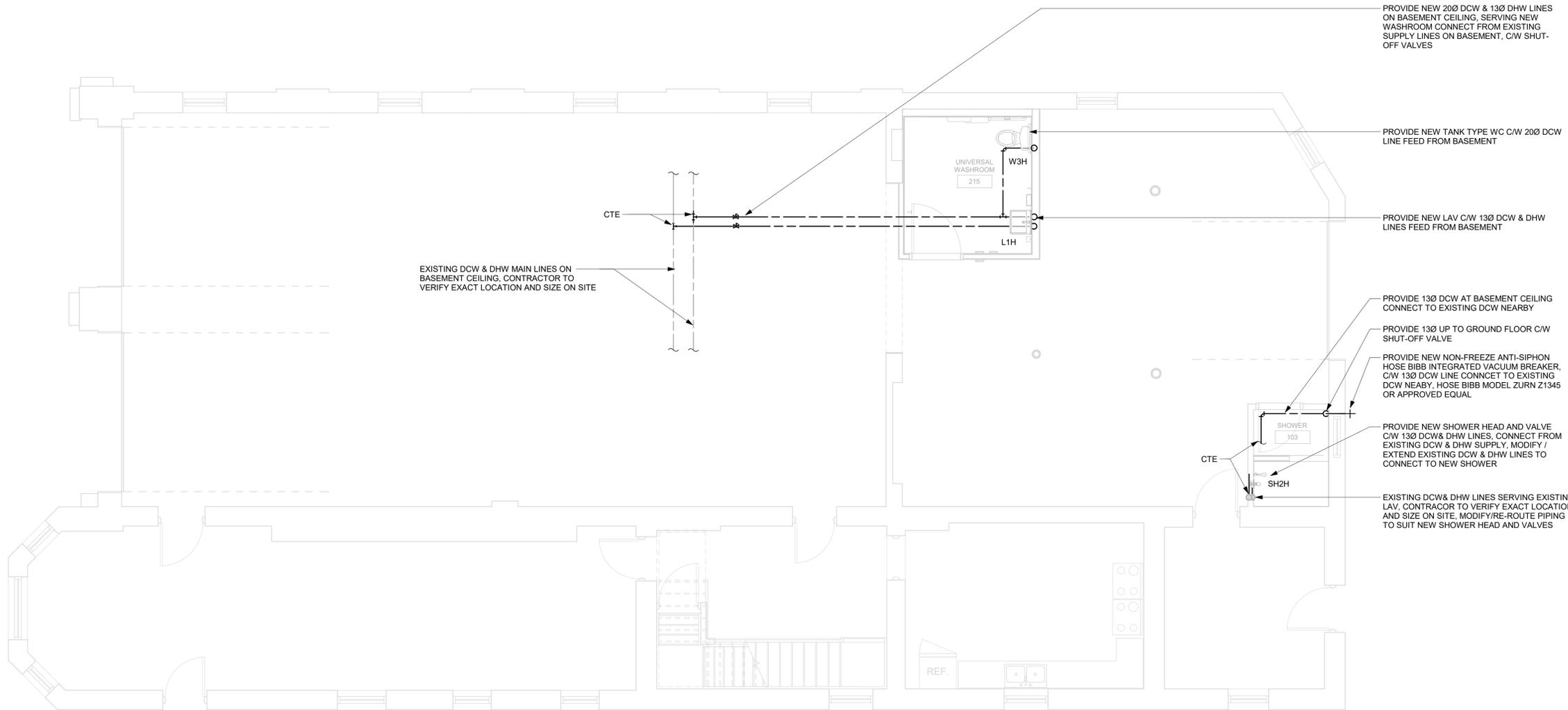
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<b>PROJECT MGR:</b> F.BOLOURIAN	<b>APPROVED BY:</b> S.LIU

**SHEET TITLE**  
 PLUMBING - GROUND FLOOR

<b>SHEET NUMBER</b> G28-314-M2101	<b>ISSUE</b> D
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PROVIDE NEW 200 DCW & 130 DHW LINES ON BASEMENT CEILING, SERVING NEW WASHROOM CONNECT FROM EXISTING SUPPLY LINES ON BASEMENT, C/W SHUT-OFF VALVES

PROVIDE NEW TANK TYPE WC C/W 200 DCW LINE FEED FROM BASEMENT

PROVIDE NEW LAV C/W 130 DCW & DHW LINES FEED FROM BASEMENT

EXISTING DCW & DHW MAIN LINES ON BASEMENT CEILING, CONTRACTOR TO VERIFY EXACT LOCATION AND SIZE ON SITE

PROVIDE 130 DCW AT BASEMENT CEILING CONNECT TO EXISTING DCW NEARBY

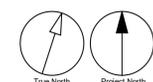
PROVIDE 130 UP TO GROUND FLOOR C/W SHUT-OFF VALVE

PROVIDE NEW NON-FREEZE ANTI-SIPHON HOSE BIBB INTEGRATED VACUUM BREAKER, C/W 130 DCW LINE CONNCT TO EXISTING DCW NEARBY, HOSE BIBB MODEL ZURN Z1345 OR APPROVED EQUAL

PROVIDE NEW SHOWER HEAD AND VALVE C/W 130 DCW & DHW LINES, CONNECT FROM EXISTING DCW & DHW SUPPLY, MODIFY / EXTEND EXISTING DCW & DHW LINES TO CONNECT TO NEW SHOWER

EXISTING DCW & DHW LINES SERVING EXISTING LAV, CONTRACTOR TO VERIFY EXACT LOCATION AND SIZE ON SITE, MODIFY/RE-ROUTE PIPING TO SUIT NEW SHOWER HEAD AND VALVES

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



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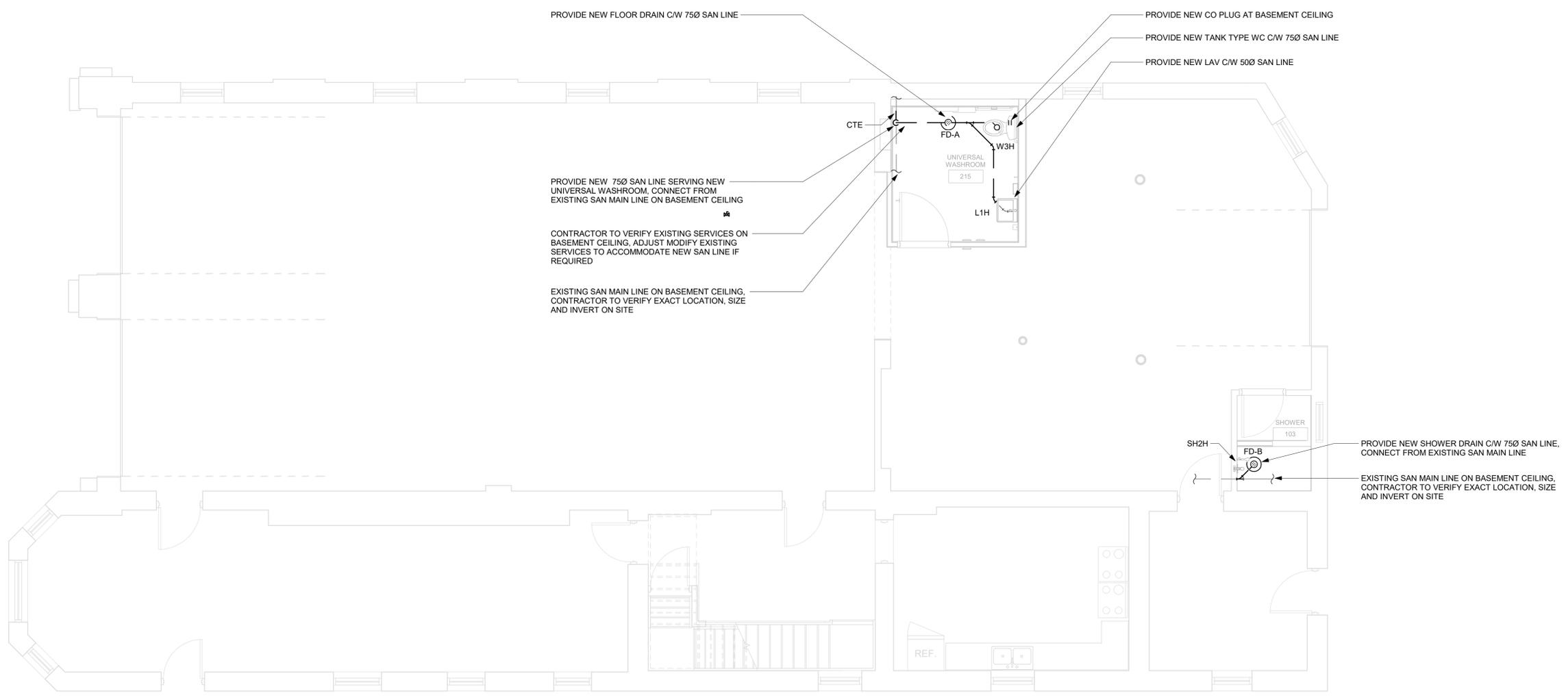
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**SHEET TITLE**  
 DRAINAGE - GROUND FLOOR

**SHEET NUMBER** G28-314-M3101      **ISSUE** D



PROVIDE NEW FLOOR DRAIN C/W 75Ø SAN LINE

PROVIDE NEW CO PLUG AT BASEMENT CEILING

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

PROVIDE NEW LAV C/W 50Ø SAN LINE

PROVIDE NEW 75Ø SAN LINE SERVING NEW UNIVERSAL WASHROOM. CONNECT FROM EXISTING SAN MAIN LINE ON BASEMENT CEILING

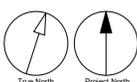
CONTRACTOR TO VERIFY EXISTING SERVICES ON BASEMENT CEILING. ADJUST MODIFY EXISTING SERVICES TO ACCOMMODATE NEW SAN LINE IF REQUIRED

EXISTING SAN MAIN LINE ON BASEMENT CEILING. CONTRACTOR TO VERIFY EXACT LOCATION, SIZE AND INVERT ON SITE

PROVIDE NEW SHOWER DRAIN C/W 75Ø SAN LINE. CONNECT FROM EXISTING SAN MAIN LINE

EXISTING SAN MAIN LINE ON BASEMENT CEILING. CONTRACTOR TO 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 SEPARATIONS.
  - ALL UNDERGROUND SANITARY PIPING SHALL BE MINIMUM 75mmØ UNLESS OTHERWISE NOTED.



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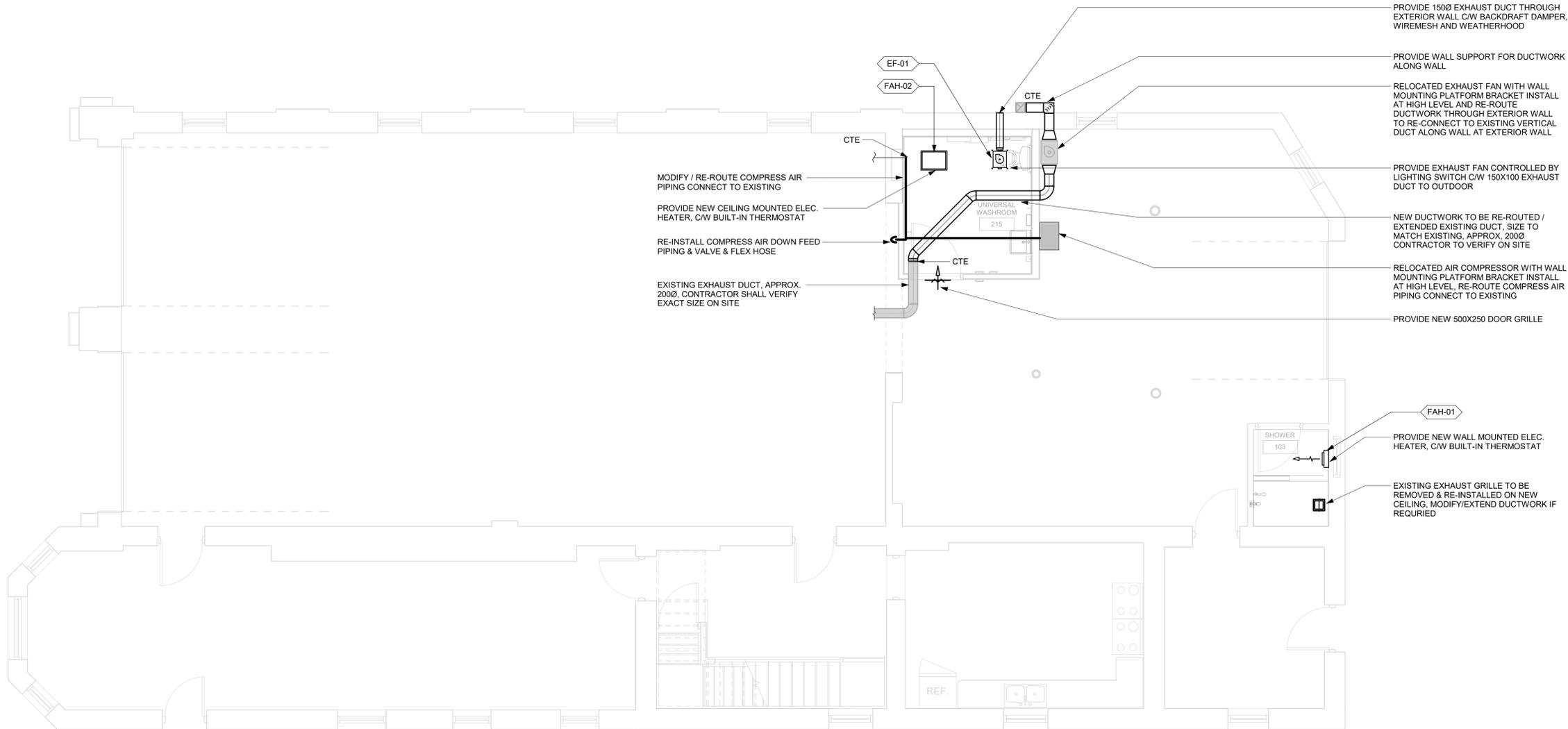
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**PROJECT MGR:** F.BOLOURIAN      **APPROVED BY:** S.LIU

**SHEET TITLE**  
 HVAC - GROUND FLOOR

**SHEET NUMBER** G28-314-M5101      **ISSUE** D

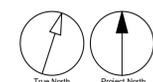


MODIFY / RE-ROUTE COMPRESS AIR PIPING CONNECT TO EXISTING  
 PROVIDE NEW CEILING MOUNTED ELEC. HEATER, C/W BUILT-IN THERMOSTAT  
 RE-INSTALL COMPRESS AIR DOWN FEED PIPING & VALVE & FLEX HOSE  
 EXISTING EXHAUST DUCT, APPROX. 2000. CONTRACTOR SHALL VERIFY EXACT SIZE ON SITE

PROVIDE 1500 EXHAUST DUCT THROUGH EXTERIOR WALL C/W BACKDRAFT DAMPER, WIREMESH AND WEATHERHOOD  
 PROVIDE WALL SUPPORT FOR DUCTWORK ALONG WALL  
 RELOCATED EXHAUST FAN WITH WALL MOUNTING PLATFORM BRACKET INSTALL AT HIGH LEVEL AND RE-ROUTE DUCTWORK THROUGH EXTERIOR WALL TO RE-CONNECT TO EXISTING VERTICAL DUCT ALONG WALL AT EXTERIOR WALL  
 PROVIDE EXHAUST FAN CONTROLLED BY LIGHTING SWITCH C/W 150X100 EXHAUST DUCT TO OUTDOOR  
 NEW DUCTWORK TO BE RE-ROUTED / EXTENDED EXISTING DUCT, SIZE TO MATCH EXISTING, APPROX. 2000 CONTRACTOR TO VERIFY ON SITE  
 RELOCATED AIR COMPRESSOR WITH WALL MOUNTING PLATFORM BRACKET INSTALL AT HIGH LEVEL, RE-ROUTE COMPRESS AIR PIPING CONNECT TO EXISTING  
 PROVIDE NEW 500X250 DOOR GRILLE

PROVIDE NEW WALL MOUNTED ELEC. HEATER, C/W BUILT-IN THERMOSTAT  
 EXISTING EXHAUST GRILLE TO BE REMOVED & RE-INSTALLED ON NEW CEILING, MODIFY/EXTEND DUCTWORK IF REQUIRED

- 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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