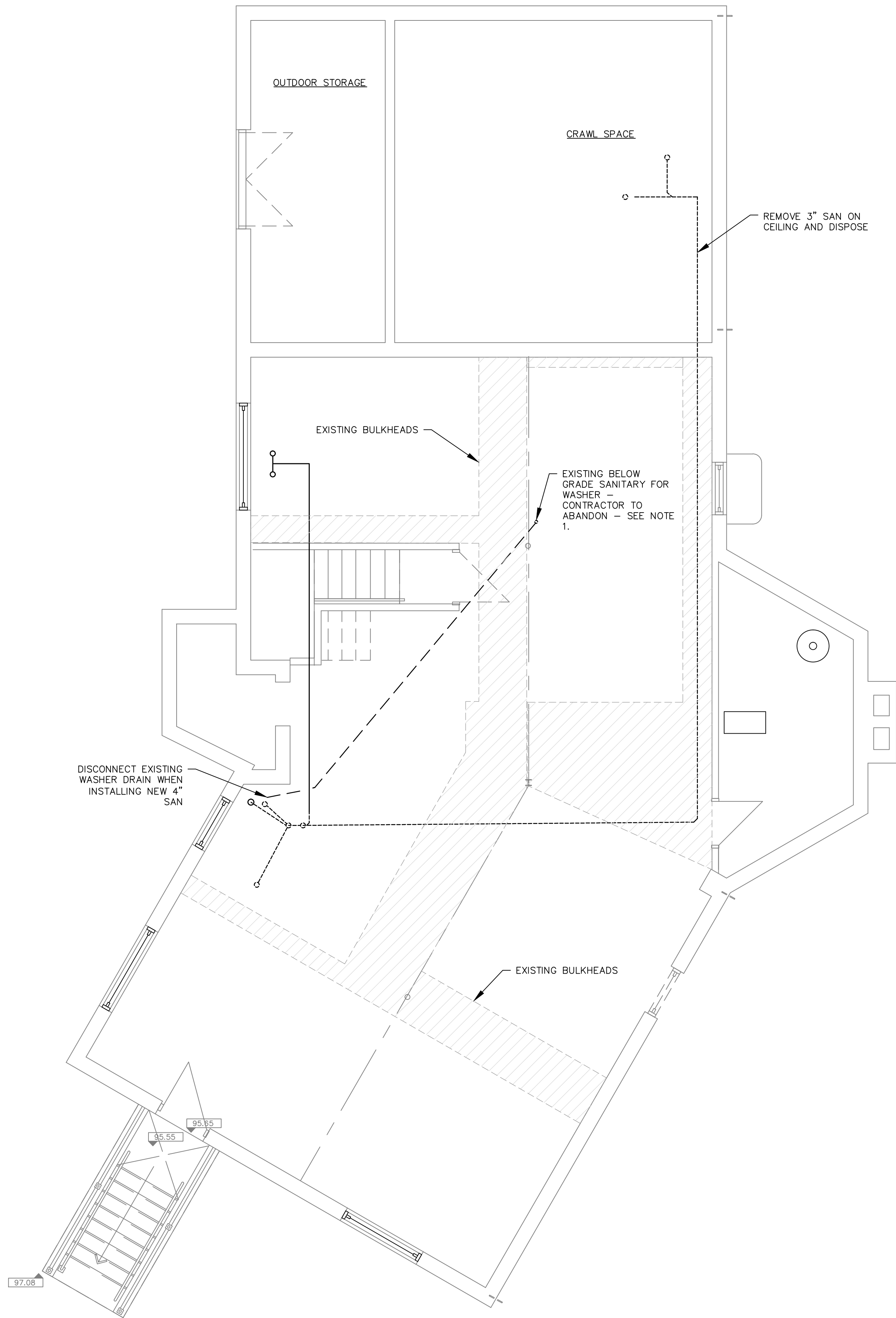
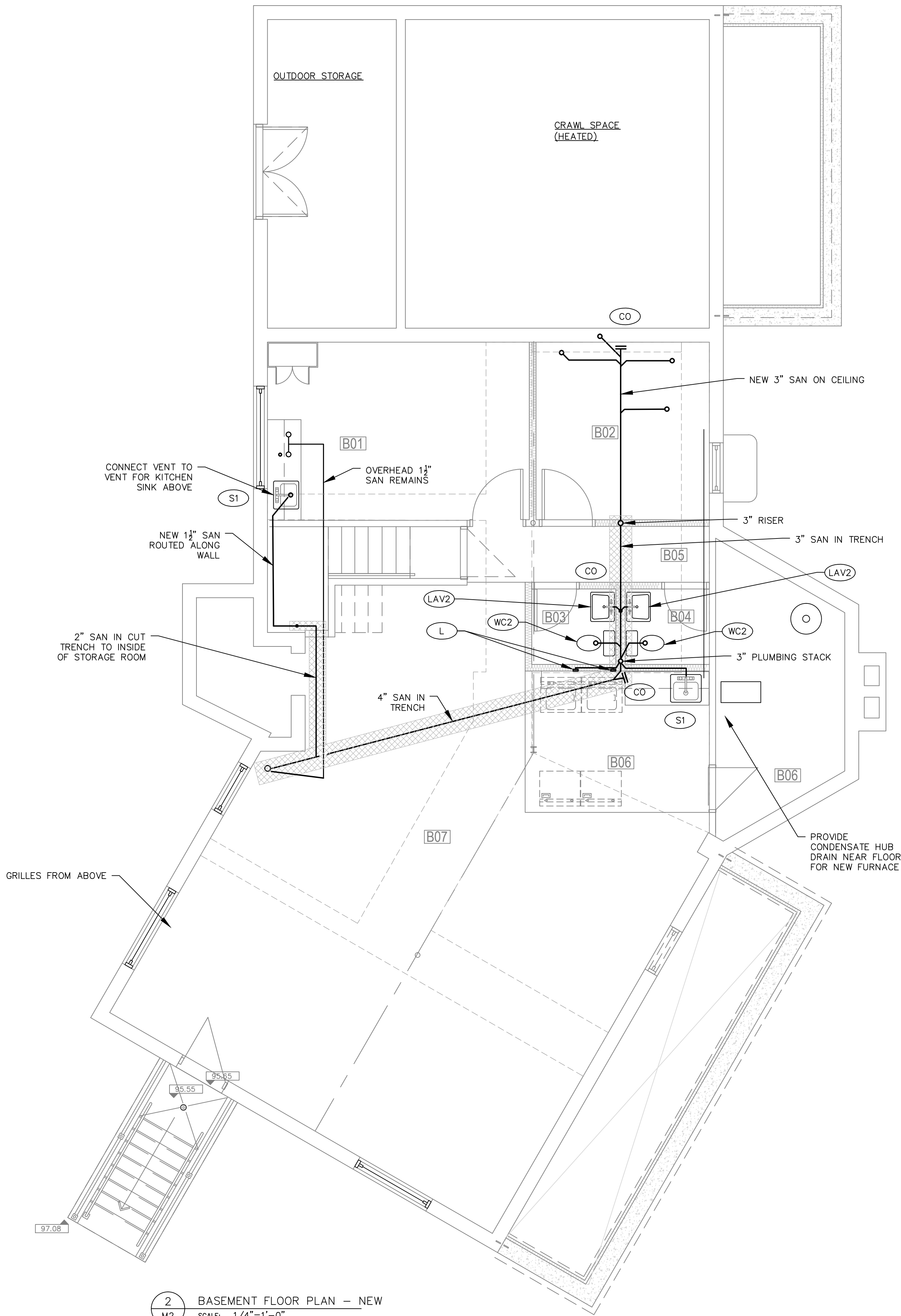


NOTES

1. ABANDONED PLUMBING TO BE REMOVED WHERE ACCESSIBLE. WHERE NOT ACCESSIBLE, CONTRACTOR TO ACCESS BOTH ENDS AND CAP, INCLUDING ABANDONED WASHER DRAIN.



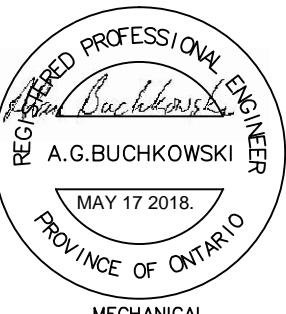
1 BASEMENT FLOOR PLAN — DEMO  
SCALE: 1/4"=1'-0"

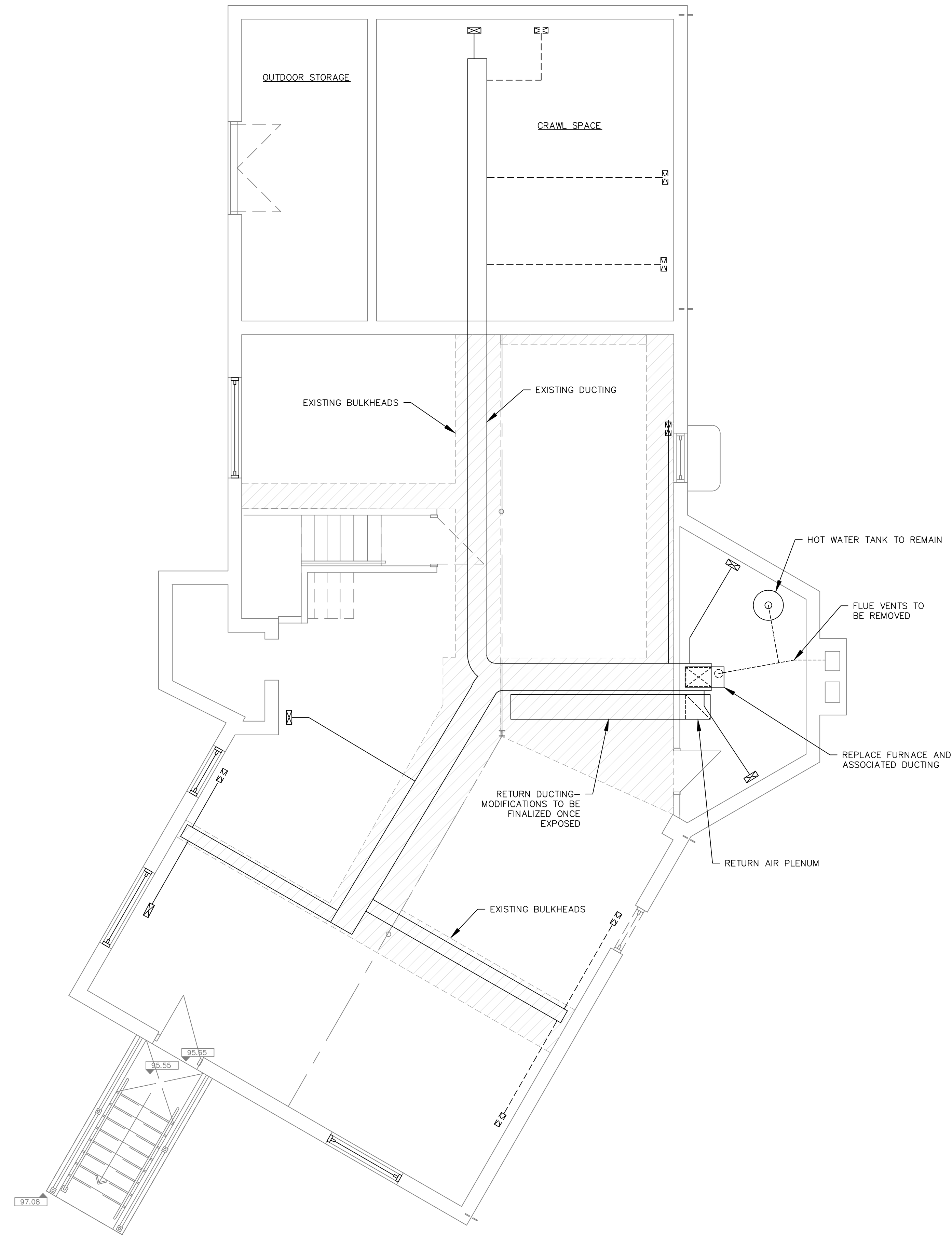
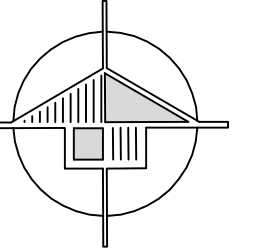


2 BASEMENT FLOOR PLAN — NEW  
SCALE: 1/4"=1'-0"

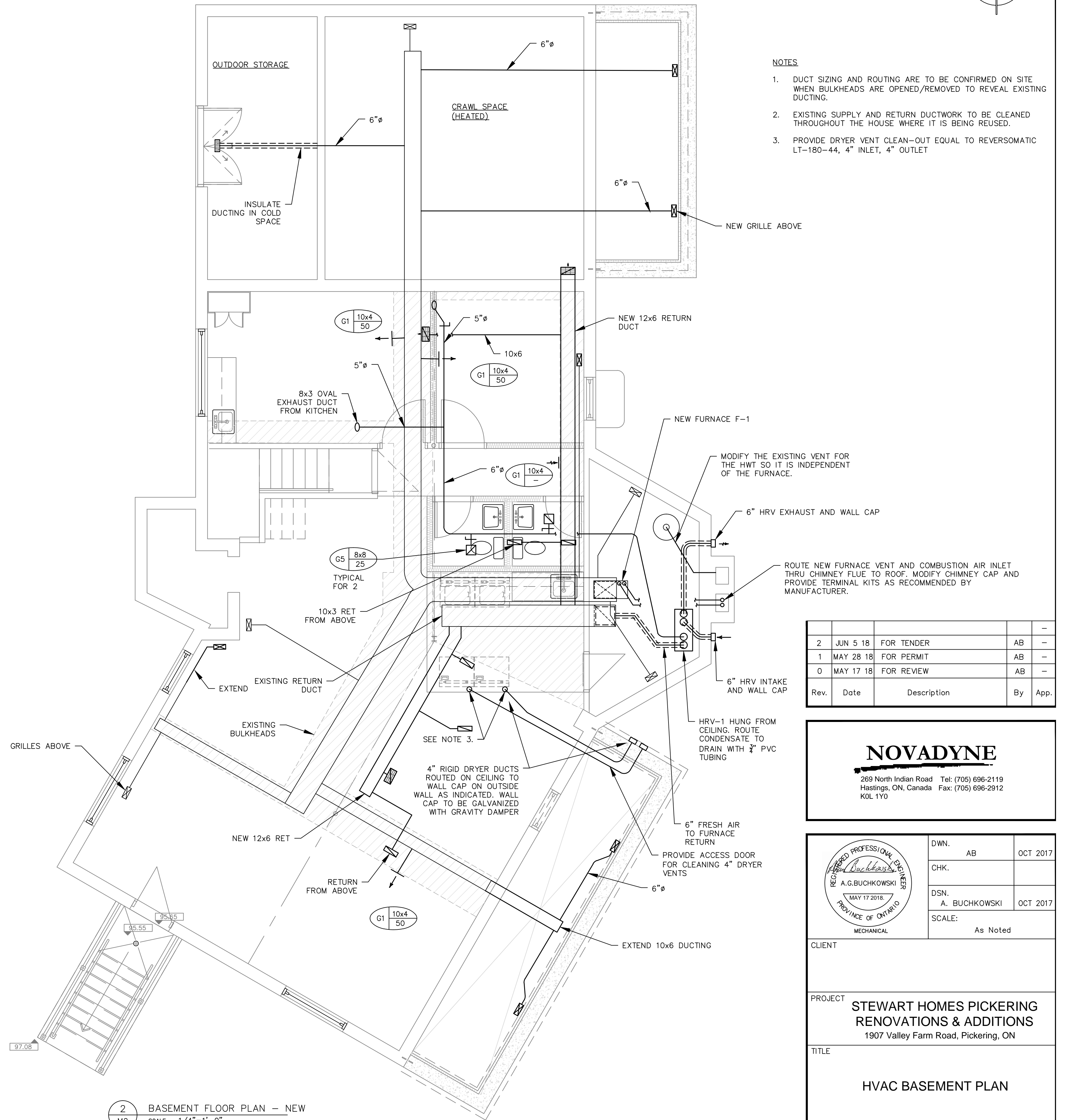
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CLIENT			
PROJECT			
STEWART HOMES PICKERING RENOVATIONS & ADDITIONS 1907 Valley Farm Road, Pickering, ON			
TITLE			
PLUMBING BASEMENT PLAN			
FILE No.	DWG. No.	Rev. No.	
0528-M2	M2	2	
CLIENT FILE No.			



1 BASEMENT FLOOR PLAN - DEMO  
SCALE: 1/4"=1'-0"



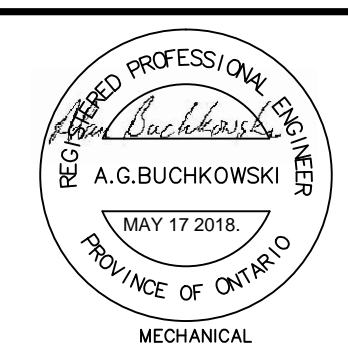
2 BASEMENT FLOOR PLAN - NEW  
SCALE: 1/4"=1'-0"

- NOTES
1. DUCT SIZING AND ROUTING ARE TO BE CONFIRMED ON SITE WHEN BULKHEADS ARE OPENED/REMOVED TO REVEAL EXISTING DUCTING.
  2. EXISTING SUPPLY AND RETURN DUCTWORK TO BE CLEANED THROUGHOUT THE HOUSE WHERE IT IS BEING REUSED.
  3. PROVIDE DRYER VENT CLEAN-OUT EQUAL TO REVERSOMATIC LT-180-44, 4" INLET, 4" OUTLET

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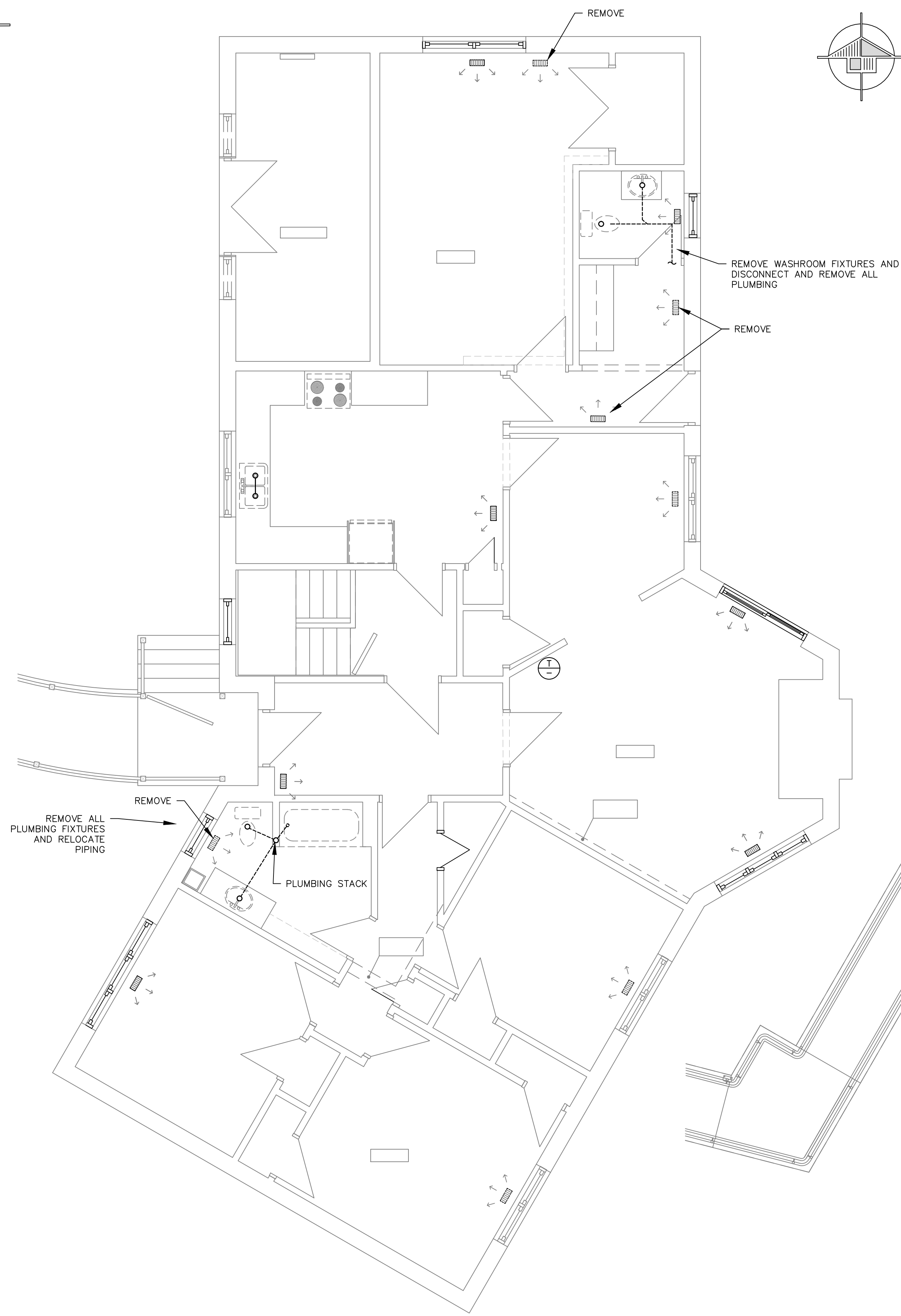
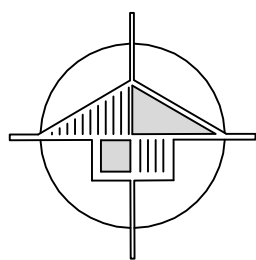
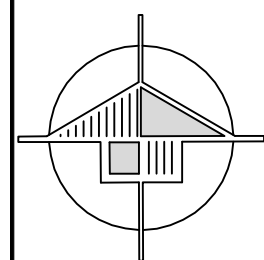
CLIENT

PROJECT **STEWART HOMES PICKERING RENOVATIONS & ADDITIONS**  
1907 Valley Farm Road, Pickering, ON

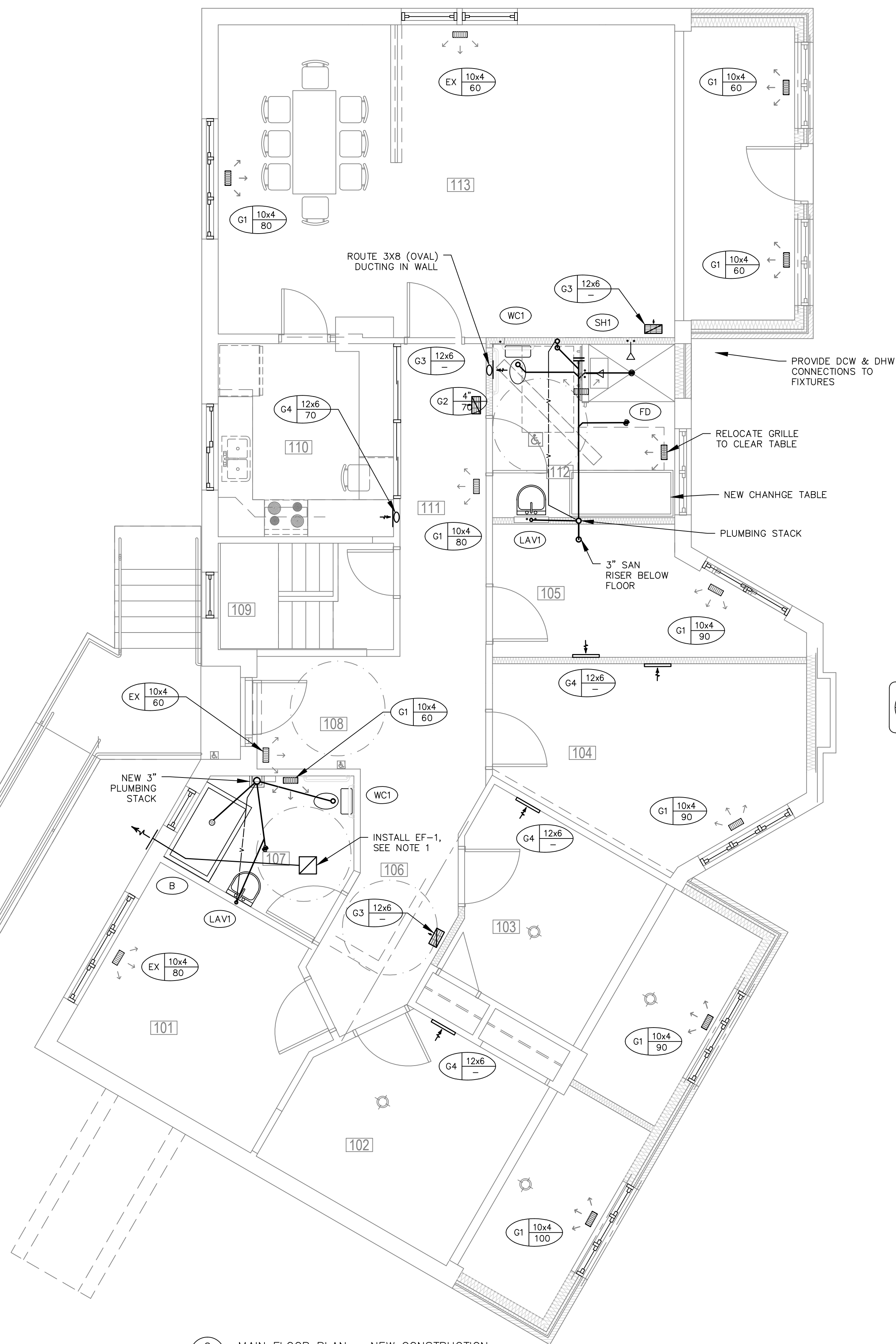
TITLE **HVAC BASEMENT PLAN**

FILE No.	DWG. No.	Rev. No.
0528-M3	M3	2
CLIENT FILE No.		



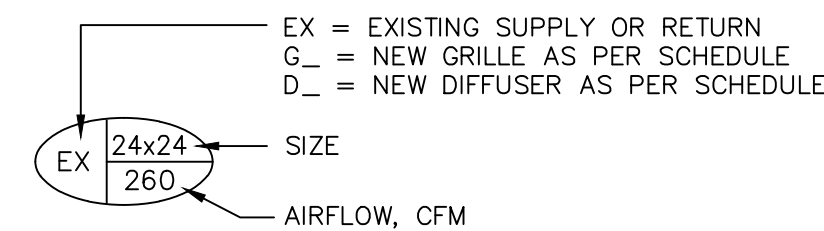


1 MAIN FLOOR PLAN — DEMOLITION  
SCALE: 1/4"=1'-0"



2 MAIN FLOOR PLAN — NEW CONSTRUCTION  
SCALE: 1/4"=1'-0"

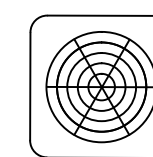
#### LEGEND



#### NOTES

1. CONNECT EXHAUST FAN EF-1 TO EXISTING EXHAUST DUCTING. CLEAN DUCTING AND ENSURE WALL CAP FLAPPER IS FUNCTIONING.

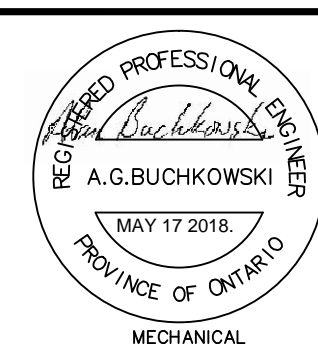
LOCATE CONDENSER ON NEW PATIO STONES. PROVIDE FEET/STAND FOR COMPRESSOR



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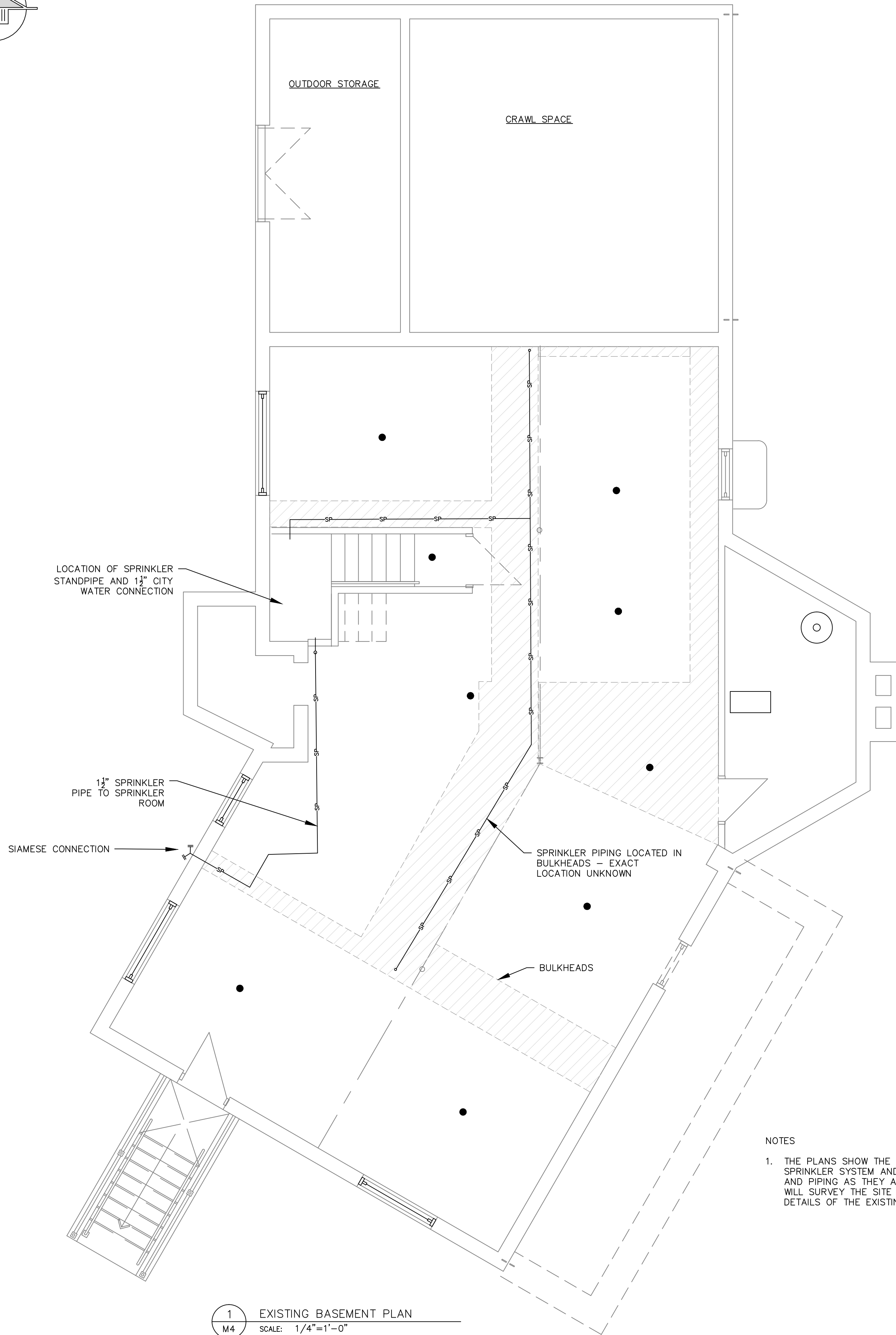
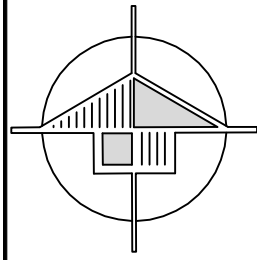
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**STEWART HOMES PICKERING  
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1907 Valley Farm Road, Pickering, ON

TITLE

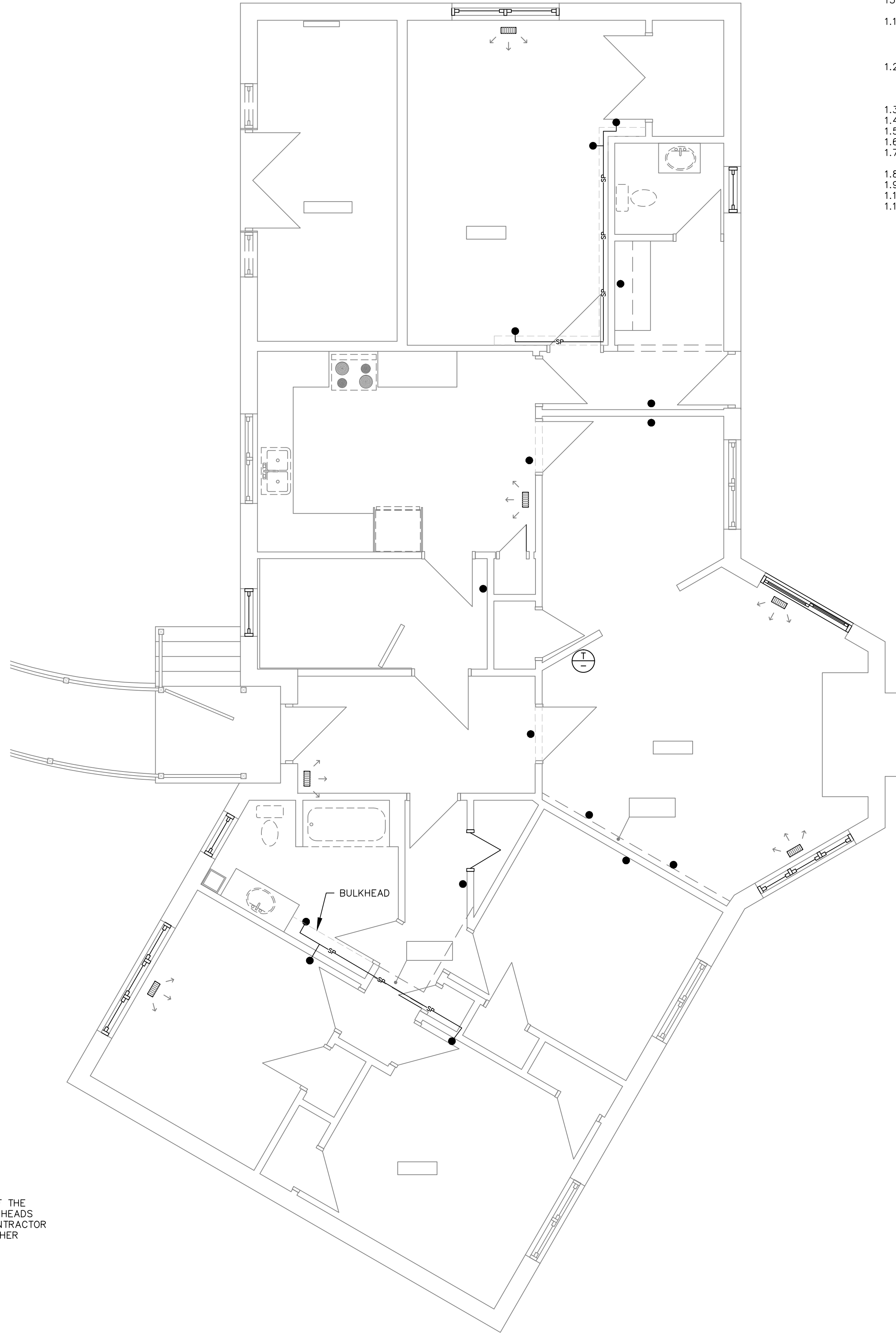
**MAIN FLOOR PLANS**

FILE No.	DWG. No.	Rev. No.
0528-M4	M4	2
CLIENT FILE No.		



1 EXISTING BASEMENT PLAN  
M4 SCALE: 1/4"=1'-0"

NOTES  
1. THE PLANS SHOW THE GENERAL LAYOUT OF THE SPRINKLER SYSTEM AND THE LOCATION OF HEADS AND PIPING AS THEY ARE KNOWN. THE CONTRACTOR WILL SURVEY THE SITE TO DETERMINE FURTHER DETAILS OF THE EXISTING CONDITIONS.



2 EXISTING MAIN FLOOR PLAN  
M4 SCALE: 1/4"=1'-0"

#### 15550 SPRINKLER SYSTEM MODIFICATIONS

- 1.1 The sprinkler system is to be modified to suit the addition and new floor plan and to meet the requirements of NFPA 13D, "Installation of Sprinkler Systems in One and Two Family Dwellings" and the Ontario Building Code and Ontario Fire Code as applicable.
- 1.2 The Contractor shall take field measurements to verify the layout of the existing system, piping, sprinkler heads, etc. The Contractor shall provide shop drawings which meet code requirements and certify the design by a professional engineer.
- 1.3 The existing system consists of a hydraulically designed system.
- 1.4 Sprinkler piping shall be to ASTM AF442, CPVC 4120.
- 1.5 Fittings shall be socket weld meeting code requirements.
- 1.6 Pipe hangers to be spaced according to NFPA 13D.
- 1.7 Sprinkler heads to be chrome sidewall type with fusible link rated at 165oF.
- 1.8 All equipment to be ULC listed or equivalent.
- 1.9 Co-ordinate all sprinkler work with the project manager.
- 1.10 Test system in accordance with NFPA 13D.
- 1.11 Contractor shall certify work and obtain permits or approval as required.

#### LEGEND

EXISTING PIPING ——— SP ———  
EXISTING HEAD .

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PROJECT STEWART HOMES PICKERING RENOVATIONS & ADDITIONS 1907 Valley Farm Road, Pickering, ON		
TITLE SPRINKLER SYSTEM		
FILE No. 0528-M5	DWG. No. M5	Rev. No. 2
CLIENT FILE No.		

DIFFUSER & GRILLE SCHEDULE						
Item	Size	Type	Nozzle	Colour	Description	Remarks
G1	10x4	SUP	—	WHITE	10X4 FLOOR REGISTER	
G2	4"ø	SUP/RET	4"	WHITE	ROUND, POLYPROPYLENE CONSTRUCTION, ADJUSTABLE	
G3	12X6	RET	—	WHITE	12X6 FLOOR RETURN	
G4	12X6	RET	—	WHITE	12X6 WALL RETURN	
G5	8x8	RET	—	WHITE	8x8 WALL RETURN, 45ø BLADES c/w REGISTER	

FAN SCHEDULE							
Item	Name	Airflow (cfm)	ESP (wc')	Motor	Power (v-ph-hz)	Model	Description
EF-1	WASHROOM EXHAUST FAN	90	.25	81 watts	120-1-60	PANASONIC WHISPER CEILING FAN FV-11VQS	CEILING MOUNTED EXHAUST FAN, CENTRIFUGAL, DIRECT DRIVE, HOUSING MADE OF GALVANIZED STEEL WITH ¾" ACOUSTICAL LINING, FAN WHEEL TO BE FORWARD CURVED, AMCA RATED, WITH PLASTIC CEILING GRILLE, DISCONNECT, BACKDRAFT DAMPER INSTALLATION: MOUNT IN DRYWALL CEILING, OPERATED BY WALL TIMER PROVIDED BY DIV 16.

PLUMBING FIXTURE SCHEDULE						
REF.	FIXTURE NAME	HOT	COLD	DRAIN	VENT	REMARKS
C.O.	CLEAN OUT	—	—	—	—	ZURN ZN-1602, ADJUSTABLE HEAD WITH BODY SLEEVE SEAL
LAV1	LAVATORY	½"	½"	1½"	1¼"	ADA COMPLIANT LAVATORY: 27" X 20" LAVATORY FRONT OVERFLOW, FIRE CLAY CHINA, WALL HUNG WITH WALL HANGER, WITH ONE CENTRE HOLE FOR FAUCET, AMERICAN STANDARD #9140 947. FAUCET TO BE POLISHED CHROME PLATE FINISH, SOLID METAL CONSTRUCTION, WRIST BLADE HANDLES WITH HOT AND COLD INDICATORS, AERATOR LIMITED TO 4.5 L/MIN, EQUAL TO MOEN DURA #8278. MCGUIRE #155wc CHROME PLATED, POLISHED DRAIN, OFFSET OPEN GRID STRAINER, CAST BRASS 1¼". MCGUIRE SUPPLIES: CHROME PLATED, POLISHED SHORT RIGID ANGLE WITH LOOSE KEY STOPS, ESCUTCHEONS AND BRAIDED FLEXIBLE HOSES. MCGUIRE #8872C C.P. POLISHED P TRAP, CAST BRASS, 1¼" WITH CLEAN-OUT AND ESCUTCHEON.
LAV2	LAVATORY	½"	½"	1½"	1¼"	18½" x 20½" WHITE VITREOUS CHINA WALL HUNG SINK, 4" HOLE, FRONT OVERFLOW, EQUAL TO AMERICAN STANDARD LUCERNE 0355 012. CONTRACTOR TO PROVIDE WALL MOUNT KIT; FAUCET TO BE POLISHED CHROME PLATE FINISH, SOLID METAL CONSTRUCTION, PIVOT ACTION LEVER STYLE HANDLE, AERATOR LIMITED TO 8.3 l/min, EQUAL TO MOEN 8413.
SH	SHOWER (ACCESSIBLE)	½"	½"	3"	1½"	SHOWER IS BUILT- IN PLACE. REFER TO ARCHITECTURAL DRAWINGS, FAUCET TO BE AMERICAN STANDARD 1662221 COMMERCIAL SHOWER SYSTEM KIT. INCLUDES: PRESSURE BALANCE VALVE AND TRIM, 59" METAL HOSE, VACUUM BREAKER, 36" SLIDE BAR WITH ADJUSTABLE HOLDER, VALVE TO HAVE CAST BRASS BODY, WITH VOLUME AND TEMPERATURE CONTROL AND HIGH TEMP STOP. INCLUDE PLASTER GUARD, FIXED HAND SHOWER (2.25 GPM) PROVIDE A SECOND SHOWER OUTLET AND VALVE IDENTICAL TO THE FIRST, WITHOUT THE HANDHELD OPTION. MOUNT ON PERPENDICULAR WALL AS INDICATED.
B	BATH	½"	½"	2"	1½"	ACID RESISTANT PORCELAIN FINISH, SLIP RESISTANT COVERAGE, END DRAIN OUTLET, WHITE, EQUAL TO AMERICAN STANDARD STRATFORD BATHING POOL 2470.002. FAUCET TO BE AMERICAN STANDARD 1662221 COMMERCIAL SHOWER SYSTEM KIT, INCLUDES: PRESSURE BALANCE VALVE AND TRIM, 59" METAL HOSE, VACUUM BREAKER, 36" SLIDE BAR WITH ADJUSTABLE HOLDER, VALVE TO HAVE CAST BRASS BODY, WITH VOLUME AND TEMPERATURE CONTROL AND HIGH TEMP STOP. INCLUDE PLASTER GUARD, FIXED HAND SHOWER (2.25 GPM), BATH SPOUT (To be determined)
WC1	WATER CLOSET (ACCESSIBLE)	—	½"	3"	1½"	ADA COMPLIANT, WHITE VITREOUS CHINA, ELONGATED BOWL, FLOOR MOUNTED, INSULATED TANK WATER CLOSET, 6 LPF TOILET, AMERICAN STANDARD CADET PRO 215AA 054 OR EQUAL. SEAT TO BE BEMIS #7850TDG COMMERCIAL HEAVY DUTY, SOLID PLASTIC, IMPACT RESISTANT, OPEN FRONT, "STA-TITE" PLASTIC HINGES WITH SS POSTS, DURAGUARD PROTECTED.
WC2	WATER CLOSET	—	½"	3"	1½"	REGULAR HEIGHT, WHITE VITREOUS CHINA, ELONGATED BOWL, FLOOR MOUNTED, INSULATED TANK WATER CLOSET, 6 LPF TOILET, AMERICAN STANDARD CADET 215CA 054 OR EQUAL. SEAT TO BE BEMIS #7850TDG COMMERCIAL HEAVY DUTY, SOLID PLASTIC, IMPACT RESISTANT, OPEN FRONT, "STA-TITE" PLASTIC HINGES WITH SS POSTS, DURAGUARD PROTECTED.
S1	KITCHEN SINK	½"	½"	1½"	1¼"	20" X 20" X 8" DP, SINGLE COMPARTMENT, 20 GAUGE LEDGEBACK STAINLESS STEEL SINK, 3 HOLES, EQUAL TO KINDRED STEELQUEEN QDL2020/8. FAUCET TO BE POLISHED CHROME PLATED, 8" CENTRES, CHROME HANDLES EQUAL TO MOEN 77920.
FD	FLOOR DRAIN	—	—	3"	1½"	DURA-COATED, CAST IRON BODY, CLAMP COLLAR, POLISHED NICKEL BRONZE STRAINER, SEDIMENT BUCKET, 3/8" TRAP SEALER PRIMER, EQUAL TO ZURN Z-415-A.

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REGISTERED PROFESSIONAL ENGINEER

A.G.BUCHKOWSKI

MAY 17 2018

PROVINCE OF ONTARIO

MECHANICAL

DWN.

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PROJECT

STEWART HOMES PICKERING RENOVATIONS & ADDITIONS

1907 Valley Farm Road, Pickering, ON

TITLE

SCHEDULES

FILE No.

0528-M6

DWG. No.

M6

Rev. No.

2

CLIENT FILE No.