

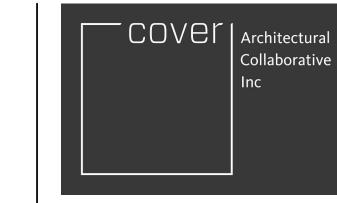
#### PIPING SYMBOLS CONTROLS AND INSTRUMENTATION TEMPERATURE SENSOR → GATE VALVE —⊳<- GLOBE VALVE PIPE LINE IDENTIFICATION BALL VALVE CHECK VALVE PLUG VALVE SANITARY DRAIN **BUTTERFLY VALVE** PRESSURE REDUCING VALVE STORM WATER CIRCUIT BALANCING VALVE (DCW) DOMESTIC COLD WATER SUPERVISED VALVE (DCW) DOMESTIC HOT WATER \_\_\_\_\_ STRAINER (DCW) DOMESTIC HOT WATER RECIRC. **HVAC SYMBOLS** FLOW DIRECTION RECTANGULAR DUCT TEE DOWN ROUND DUCT TEE UP CAP ACOUSTIC DUCT INSULATION PIPE BREAK ELBOW DOWN GRILLE/REGISTER FACE ELBOW UP SQUARE ELBOW TURN SCHEMATIC DRAIN (SUPPLY UP/DOWN) —⊠— FLEXIBLE CONNECTOR SQUARE ELBOW TURN (RETURN UP/DOWN) WATER HAMMER ARRESTOR SQUARE ELBOW TURN DOUBLE CHECK BACKFLOW PREVENTER (EXHAUST UP/DOWN) REDUCED PRESSURE BACKFLOW PREVENTER ELBOW, ROUND, SMOOTH RADIUS (UP/DOWN) PLUMBING SYMBOLS TURNING VANES FLOOR/ROOF DRAIN **HUB DRAIN** BALANCING DAMPER CLEAN OUT (IN-LINE) CLEAN OUT (THRU FLOOR) ——QUANTITY REQUIRED HOSE BIBB -\_──VOLUME AIR OUTLET TAG P-TRAP (CFM,L/S) (REFER TO SCHEDULE) -SIZE SANITARY VENT THRU ROOF SANITARY VENT UP MECHANICAL STATUS TAG (REFER TO SCHEDULE) EXISTING TO REMAIN \_\_\_\_\_\_\_\_\_\_\_\_EXISTING TO DEMOLISH FIRE PROTECTION PENDENT SPRINKLER HEAD DRAWING NOTES —SECTION DESIGNATION —DRAWING TO FIND SECTION —DETAIL DESIGNATION —DRAWING TO FIND DETAIL EQUIPMENT TAG (REFER TO SCHEDULE) $\langle \# \rangle$

SYMBOL LEGEND

PLUM	BING ROUGH-IN SCHEDULE					
TYPE	FIXTURE	SANITARY	CW	HW	VENT	REMARKS
SK	SINK	38ø	12ø	12ø	32ø	-
L	LAVATORY	38ø	12ø	12ø	32ø	-
WC	WATER CLOSET	100ø	12ø / 25ø	-	50ø	FLUSH TANK / FLUSH VALVE
UR	URINAL	50ø	12ø / 20ø	-	38ø	FLUSH TANK / FLUSH VALVE
FD	FLOOR DRAIN	75ø	-	-	-	C/W TRAP PRIMER

			PLUMBING SCHEDULE	
TAG	TYPE	MODEL	DESCRIPTION	REMARKS
WLV-1	LAV-TOILET COMBINATION	ACORN PENAL-WARE 1418FA SERIES	18" LAV-TOILET COMBY WITH LAVATORY OVAL BOWL - FRONT ACCESS AND FABRICATED WITH 14 GAGE, TYPE 304 STAINLESS STEEL CABINET AND TOILET BOWL. PROVIDE PENAL RATED BUBBLER (BP), AIR CONTROL, HOT AND COLD METERING VALVE (04-M), 1.6 GPF WITH HYDRAULIC FLUSH VALVE (FVH) AND TOILET BOWL SUICIDE PREVENTION SKIRT	C/W WALL SLEEVE C/W SUPPLIES, FLEXIBLE RISERS, ANG STOPS AND ADAPTERS
WC-1	WATER CLOSET	TOTO CT705ULNG	ADA COMPLIANT, VITREOUS CHINA, FLOOR MOUNTED TOILET WITH CeFIONtect GLAZE, ELONGATED FRONT BOWL AND TOP SPUD. PROVIDE ADA COMPLIANT AND EXPOSED TOTO TET1UA ECOPOWER ULTRA HIGH EFFICIENCY TOILET FLUSH VALVE AT 1.0 GPF, SELF-POWERED HYDROELECTRIC FLUSH VALVE SYSTEM, DURABLECHROM PLATED BODY WITH TAMPER-PROOF SCREWS AND SOLID BRONZE VALVE BODY, TRUE MECHANICAL FLUSH OVERRIDE AND SMART SENSOR.	C/W COMMERCIAL HEAVY DUTY, OPEN FRONT LESS COVER SOLID PLASTIC S C/W ESCUTCHEONS, SUPPLIES, FLEXII RISERS, ANGLE STOPS AND ADAPTER
L-1	LAVATORY	TOTO LT401.4	BARRIER FREE, VITREOUS CHINA, UNIVERSAL ACCESS COUNTER TOP SINK WITH CONCEALED FRONT OVERLOW AND FAUCET DECK WITH 4" CENTRES. 533mm x 455mm x 165mm NOMINAL DIMENSION. FINISH BY ARCHITECT. PROVIDE ANTI MICROBIAL DELTA 21C124 WITH 4" CENTERSET LAVATORY FAUCET AT 1.5 GPM AND 100mm ADA COMPLIANT BLADE HANDLES	C/W LAVGUARD WASTE AND SUPPLY F COVERS, ADA COMPLIANT C/W ESCUTCHEONS, SUPPLIES, FLEXII RISERS, ANGLE STOPS AND ADAPTER: C/W DRAIN PLUG, P-TRAP, TAILPIECE, AND CLEANOUTS
HS-1	HAND HYGIENE SINK	AMERICAN STANDARD ICU SINK SYSTEM	ACRYLIC SHROUD WITH MOUNTNG HARDWARE AND INCLUDES OFFSET DRAIN & P-TRAP WITH SANIGUARD ANTIMIROBIAL COATING. BOWL SIZE AT 419x260x235 mm. PROVIDE CHROME PLATED CHICAGO FAUCET MANUAL SINK 50-E26-5-317KABCP	C/W ESCUTCHEONS, SUPPLIES, FLEXII RISERS, ANGLE STOPS AND ADAPTER: C/W 40Ø mm METAL P-TRAP, PLASTIC ( NEOPRENE GASKET (NO RUBBER), TAILPIECE, UNIONS AND CLEANOUTS C/W WALL MOUNT CARRIER (e.g. WATT CA-311) C/W LEAD FREE THERMOSTATIC MIXIN VALVE AT 43C (109F) MAX SETTING
PT-1	PLASTER TRAP	PATTERSON DENTAL SUPPLY - 2 GALLON	DIMENSIONS AT 300mm H x 275mm W METAL PLASTER TRAP C/W BUILT-IN DRAIN TUBE ATTACHED TO DISPOSABLE VINYL LINER, 40mm STANDARD DRAIN CONNECTIONS. INSTALL AS PER MANUFACTURER LITERATURE	PROVIDE 5 EXTRA DISPOSABLE LINER: CONFIRM WITH OWNER AND COORDIN INSTALLATION UNDER EXISTING SINK TO ORDER.
FD-1	FLOOR DRAIN	WATTS FD-1100-C	FLOOR DRAIN WITH ADJUSTABLE, REINFORCED AND ROUND 150ø STAINLESS STEEL STRAINER, 75ø PIPE SIZE AND NO HUB OUTLET	C/W P-TRAP C/W TRAP PRIMER C/W VANDAL PROOF AND SECURED TO

KEY NOTES



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7 2020-02-27 Issued for Construction

**BDH SECURE ROOM** # 6319003 & BDH SECURITY UPGRADE 6320003

**ADDRESS** 7649 22ND Street

Grand Forks, BC

V0H 1H2 PROJECT#

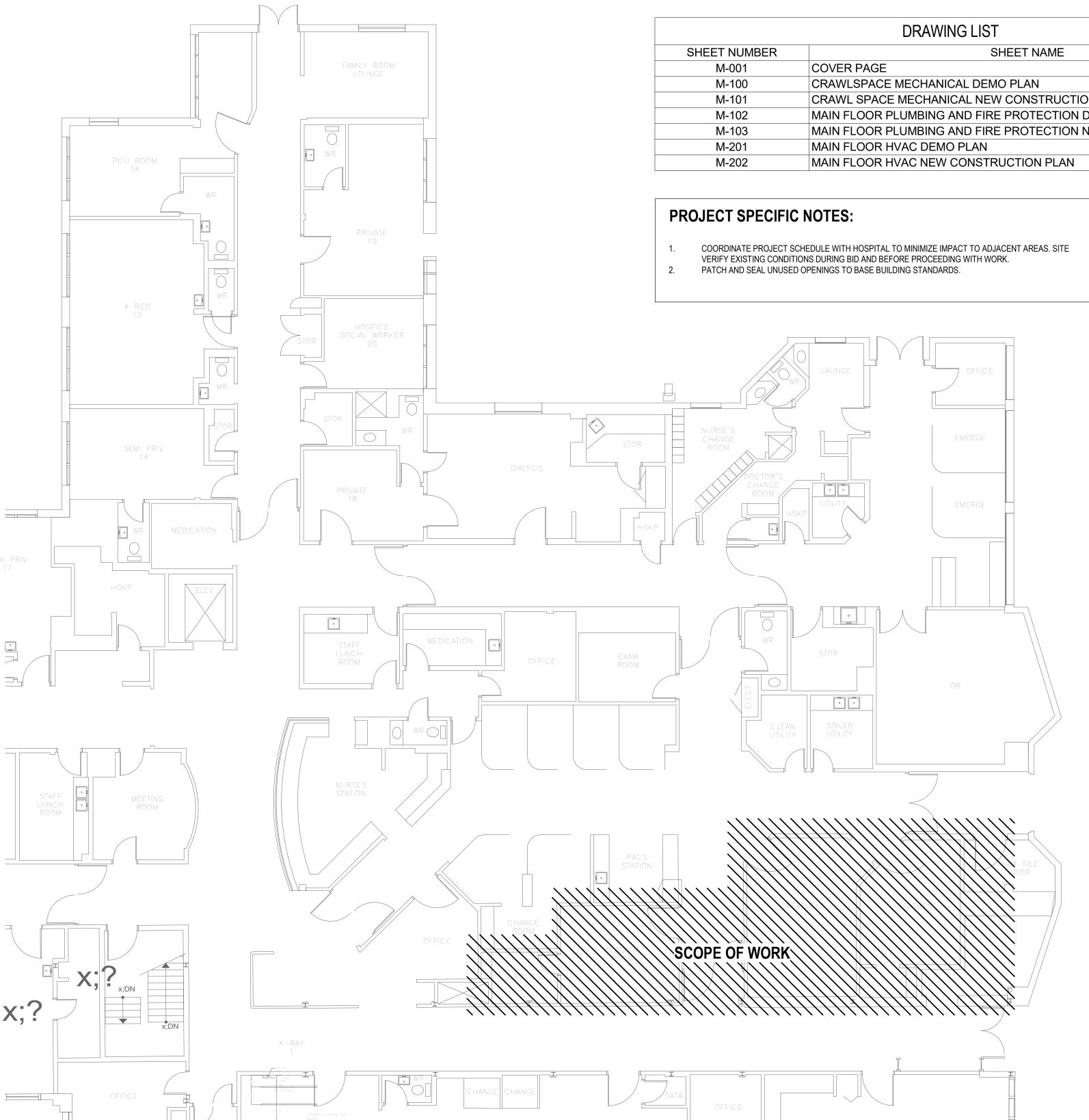
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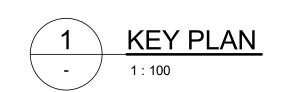
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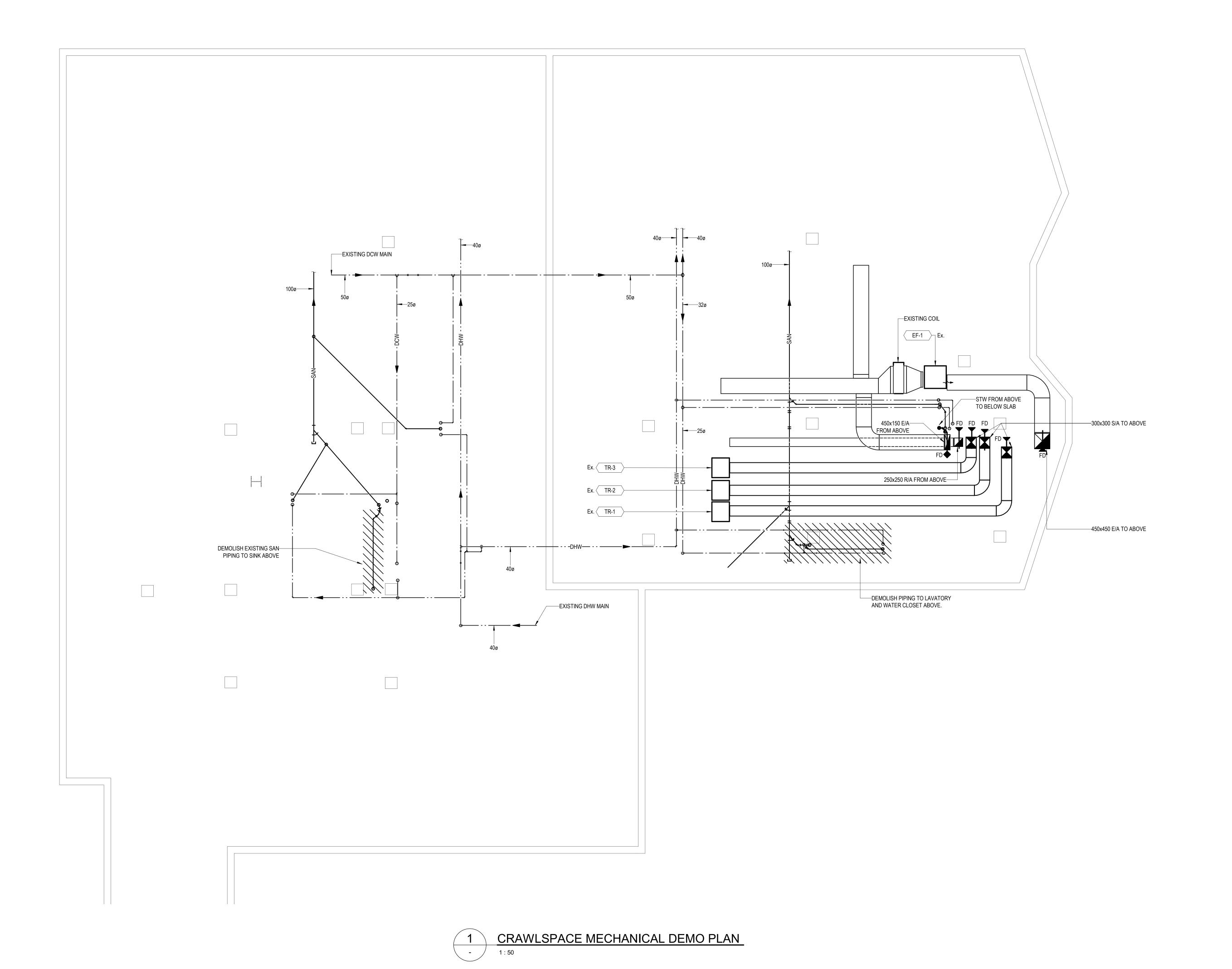
**M-001** 





GRILLE & DIFFUSER SCHEDULE				
TAG	TYPE	MODEL	DESCRIPTION	
S-1	SECURITY SUPPLY AIR DIFFUSER	E.H. PRICE MSRRCD	300x300 MAXIMUM SECURITY RISK RESISTANTCEILING DIFFUSER WITH 4-WAY AIR PATTERN C/W SLEEVE. FINISH BY ARCHITECT.	
E-1	SECURITY EXHAUST AIR GRILLE	E.H. PRICE MSRRP	450x450 MAXIMUM SECURITY RISK RESISTANT PERFORATED GRILLE FOR SURFACE MOUNTING C/W WALL SLEEVE AND OPPOSED BLADE DAMPERS. FINISH BY ARCHITECT.	
E-2	EXHAUST AIR GRILLE	E.H. PRICE 530-F-L	45 DEGREE DEFLECTION LOUVERED GRILLE C/W OPPOSED BLADE DAMPERS. FINISH BY ARCHITECT.	

VALVE BOX SCHEDULE			
TAG	TYPE	MODEL	DESCRIPTION
VB-1	TAMPER PROOF EMERGENCY VALVE BOX	JAY R. SMITH 4783 SERIES	ONE PIECE STAINLESS STEEL CONSTRUCTION C/W CYLINDER LOCK AND KEY. PROVIDE OPENINGS FOR PIPING PENETRATIONS AS PER DRAWINGS C/W 12mm HIGH PLASTIC LAMICOID LABEL THAT READS 'EMERGENCY WATER SHUT-OFF VALVES)





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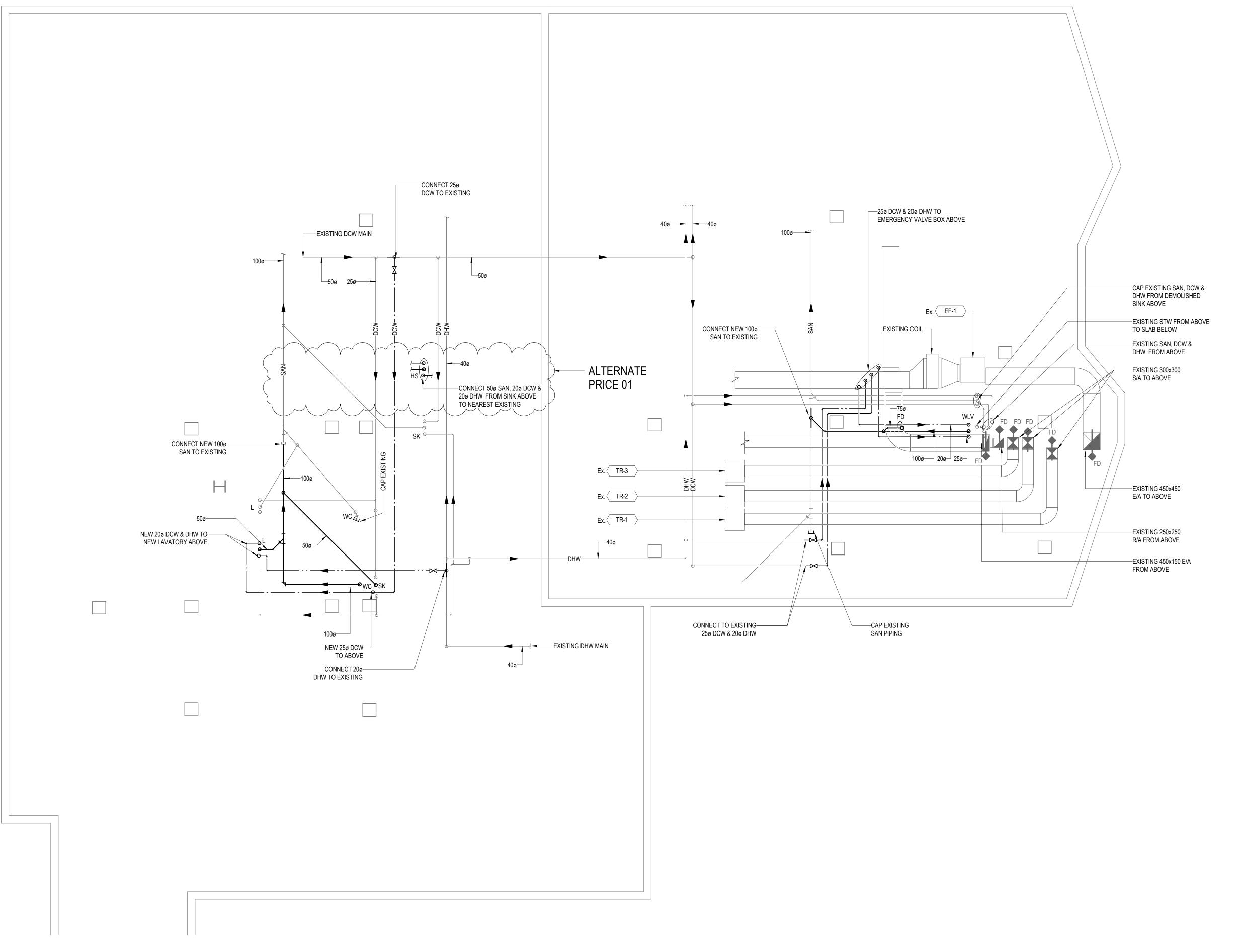
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SHEET
CRAWLSPACE MECHANICAL DEMO

M-100



1 CRAWLSPACE NEW CONSTRUCTION MECHANICAL PLAN
1:50



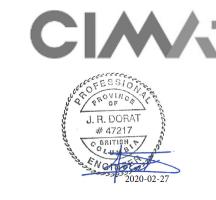
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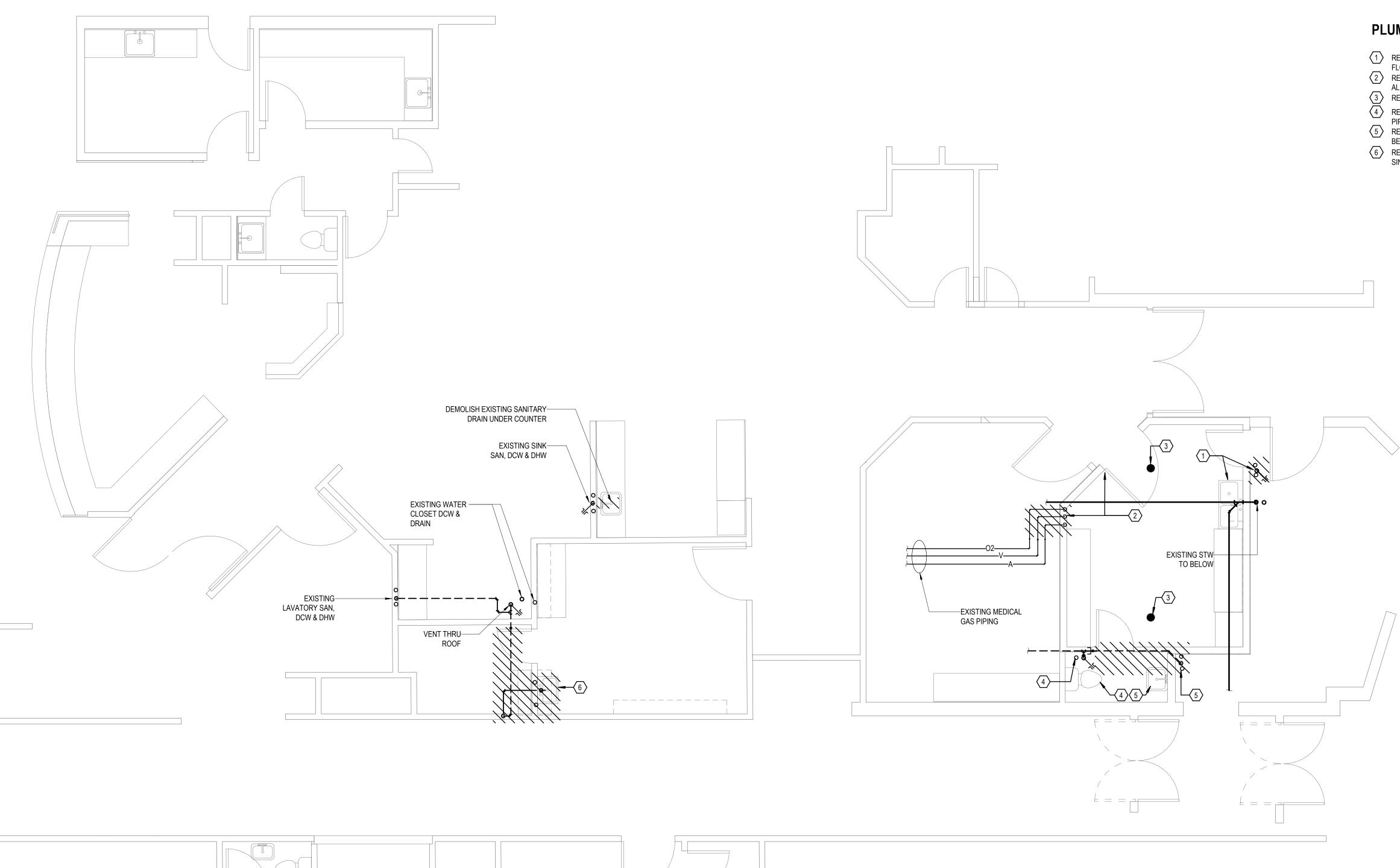
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CRAWL SPACE MECHANICAL NEW CONSTRUCTION PLAN M-101





MAIN FLOOR PLUMBING & FIRE PROTECTION DEMO PLAN



REMOVE EXISTING SINK, DRAINS AND WATER SUPPLIES. CAP PIPING BELOW FLOOR WITHIN CRAWLSPACE.

REMOVE EXISTING MEDICAL GAS PANEL AND HAND OVER TO OWNER. CAP ALL PIPING IN THE ADJACENT ROOM C/W NEW ISOLATION VALVES.

REMOVE EXISTING SPRINKLER PENDENT.

REMOVE EXISTING WATER CLOSET, DRAINS AND WATER SUPPLIES. CAP PIPING BELOW FLOOR WITHIN CRAWLSPACE.

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REMOVE EXISTING SINK. REWORK PLUMBING AND PIPING TO SUIT NEW SINK REPLACEMENT.

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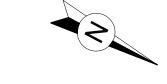
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MAIN FLOOR PLUMBING AND FIRE PROTECTION DEMO PLAN 102

### PLUMBING GENERAL CONSTRUCTION NOTES:

- 1. REFER TO DRAWING M-001 FOR PLUMBING ROUGH-IN SCHEDULE FOR PIPE
- X-RAY CONCRETE SLABS PRIOR TO CORING FOR PLUMBING DRAIN AND PIPING INSTALLATION.





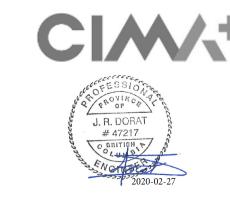
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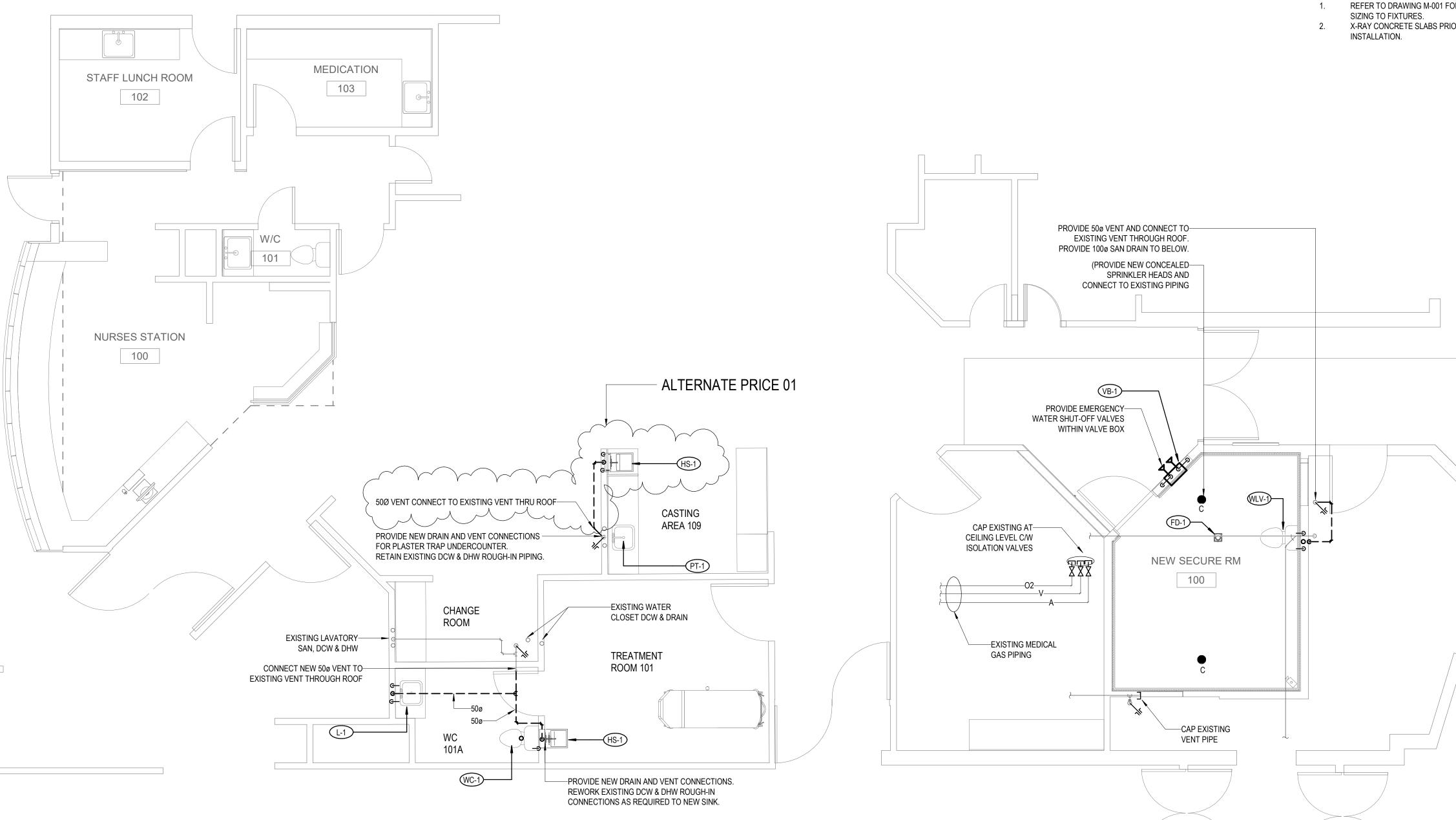
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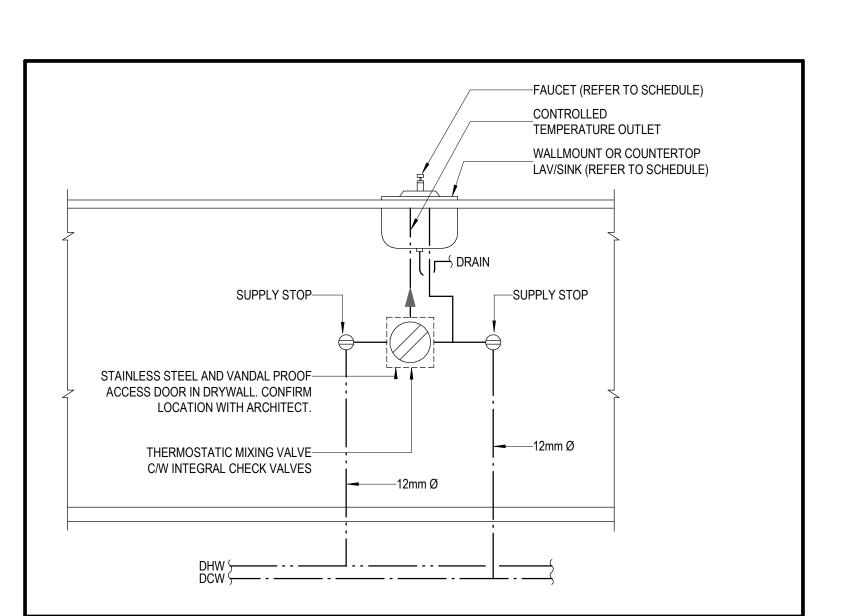
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MAIN FLOOR PLUMBING AND FIRE PROTECTION NEW CONSTRUCTION PLAN M-103



1 MAIN FLOOR PLUMBING & FIRE PROTECTION NEW CONSTRUCTION PLAN
1:50

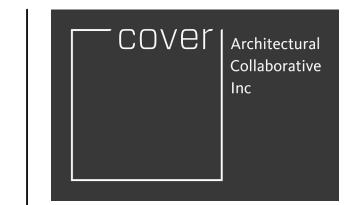


# TO ROOF LOUVRED EXHAUST PENTHOUSE -300x300 S/A FROM BELOW Existing 300x200 EXISTING RETURN— @ 47 L/s GRILLE R-2 @ 165 L/s EXISTING SUPPLY--EXISTING GRILLE S-1 @ 25L/s 300x250 @ 94 L/s -450x450 E/A FROM 3 Existing 300x200 \_\_\_\_\_/ 3 -250x250 R/A TO BELOW EXISTING 4 SUPPLY———GRILLES @ 59 L/S EACH EXISTING 4 SUPPLY——GRILLES @ 59 L/S EACH -450x150 E/A TO BELOW EXISTING RETURN GRILLE R-2 @ 212 L/s

MAIN FLOOR HVAC DEMO PLAN 1 : 50

## **HVAC DEMOLITION KEY NOTES:**

- (1) REMOVE EXISTING RETURN AIR GRILLE AND DUCTWORK WITHIN MILLWORK.
- REMOVE EXISTING SUPPLY AIR GRILLES AND DUCTWORK ABOVE CEILING.
- REMOVE EXISTING EXHAUST AIR GRILLE AND DUCTWORK ABOVE CEILING.
- REMOVE EXISTING TEMPERATURE SENSOR FOR TERMINAL REHEAT COIL (TR-2) IN CRAWLSPACE



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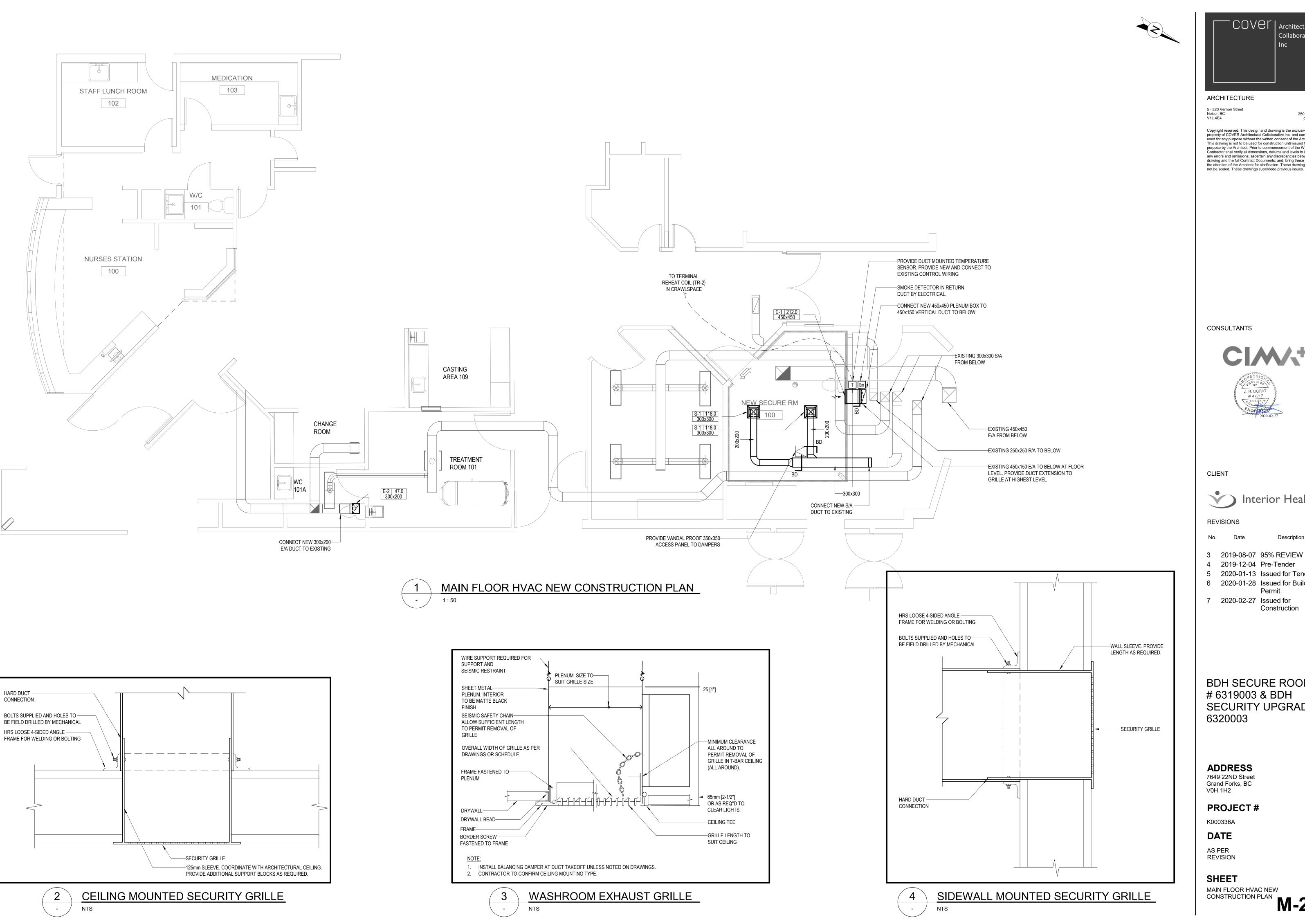
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SHEET MAIN FLOOR HVAC DEMO PLAN

**M-201** 



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MAIN FLOUR HVACINE...
CONSTRUCTION PLAN

M-202 MAIN FLOOR HVAC NEW