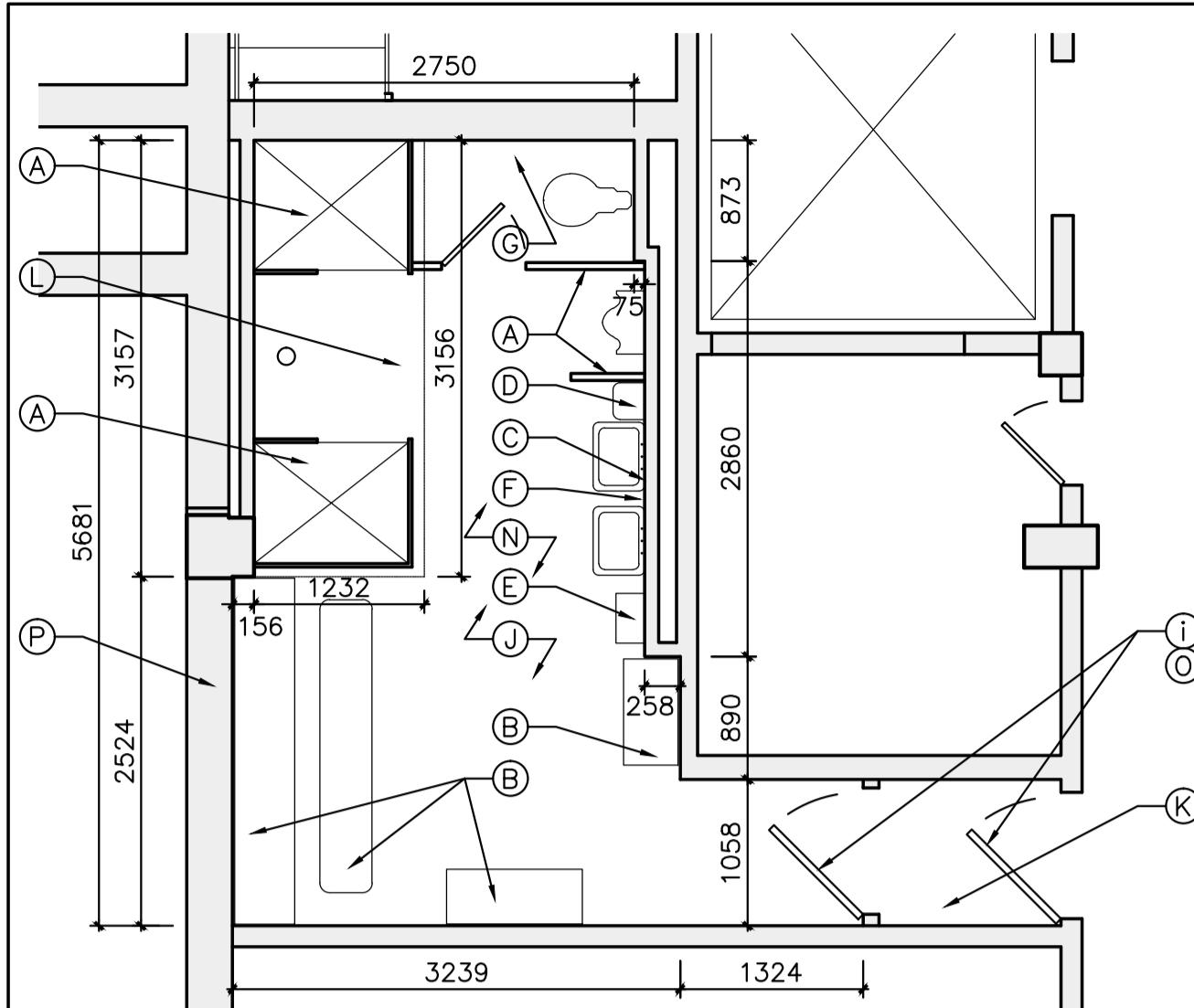
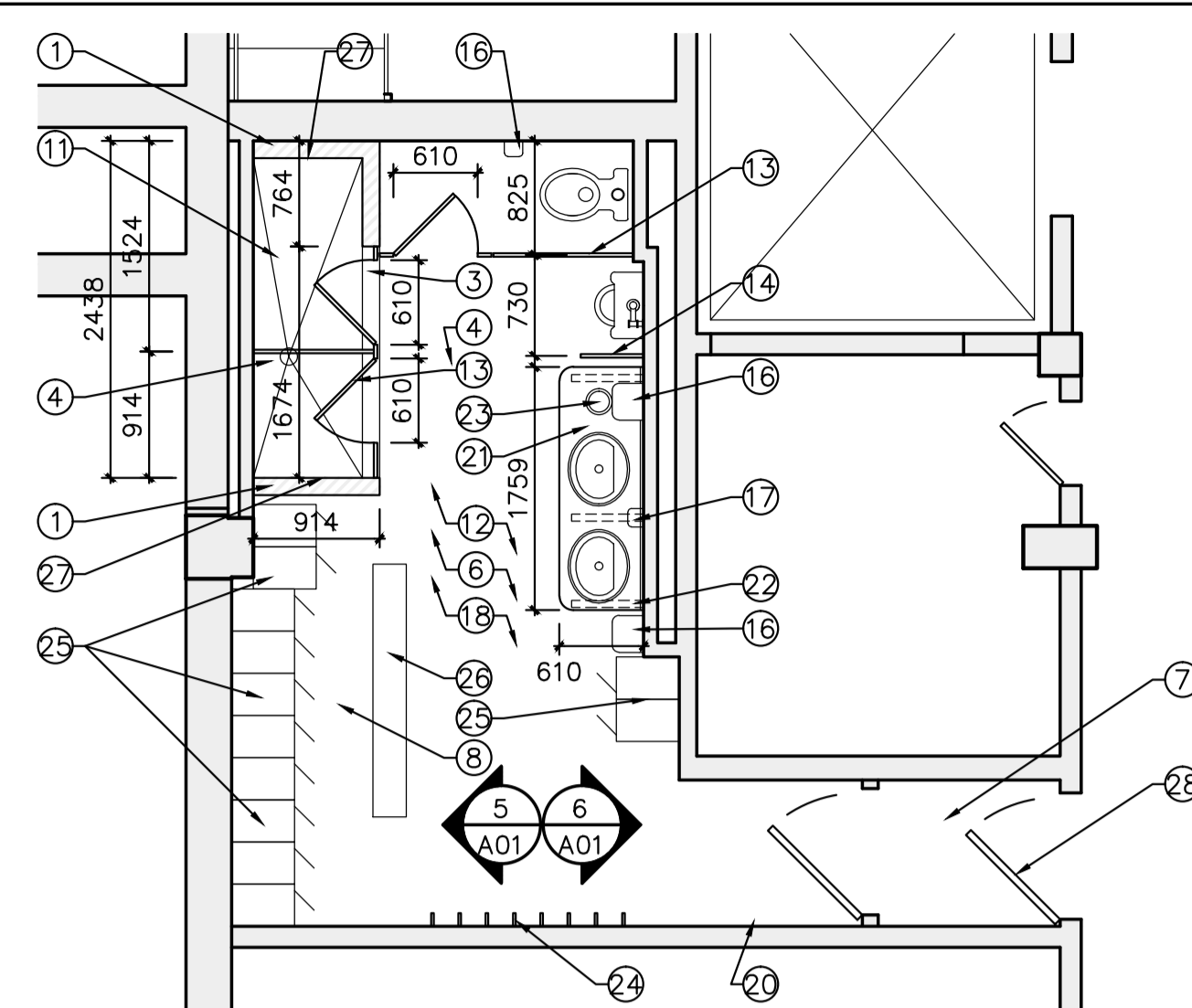


GENERAL NOTES

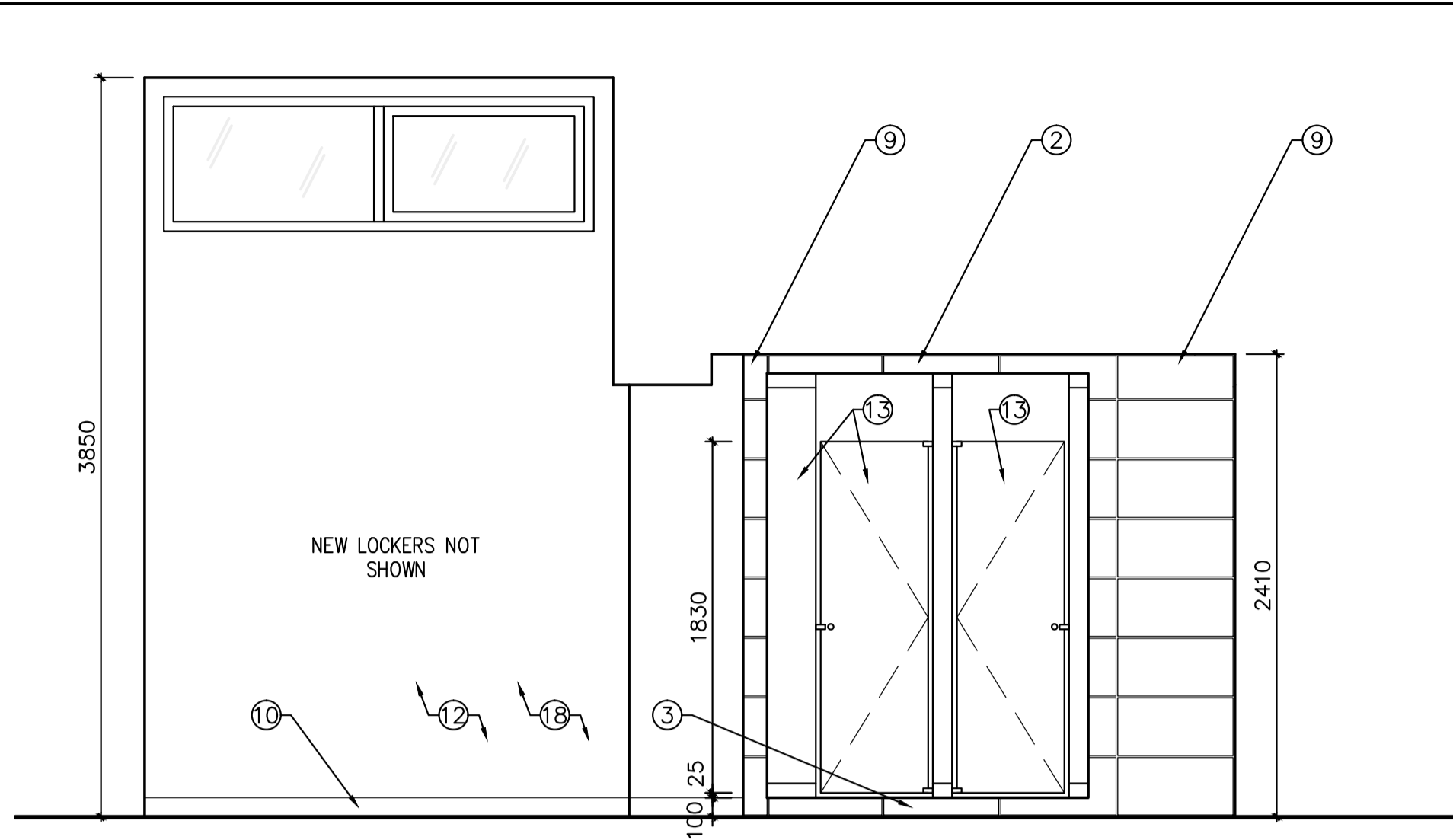
- CONTRACTORS TO CHECK AND VERIFY ALL DIMENSIONS ON SITE PRIOR TO DEMOLITION OR CONSTRUCTION AND REPORT ANY ERRORS OR OMISSIONS TO DEPARTMENTAL REPRESENTATIVE.
- CONTRACTORS MUST VISIT THE SITE & FULLY FAMILIARIZE THEMSELVES WITH THE SCOPE OF THE WORK.
- PREVENT THE SPREAD OF DUST & DEBRIS BEYOND THE WORK AREA AND CLEAN ALL SURFACES AT COMPLETION.
- MAKE GOOD ALL SURFACES AFFECTED BY THIS WORK.
- COORDINATE ALL SHUTDOWNS WITH THE DEPARTMENTAL REPRESENTATIVE.
- PROVIDE ALL LABOUR AND MATERIAL REQUIRED TO FORM A COMPLETE, FUNCTIONAL SYSTEM AS DESCRIBED ON DRAWINGS.
- ALL SPECIFIED NEW ITEMS ARE TO BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS, UNLESS NOTED OTHERWISE.



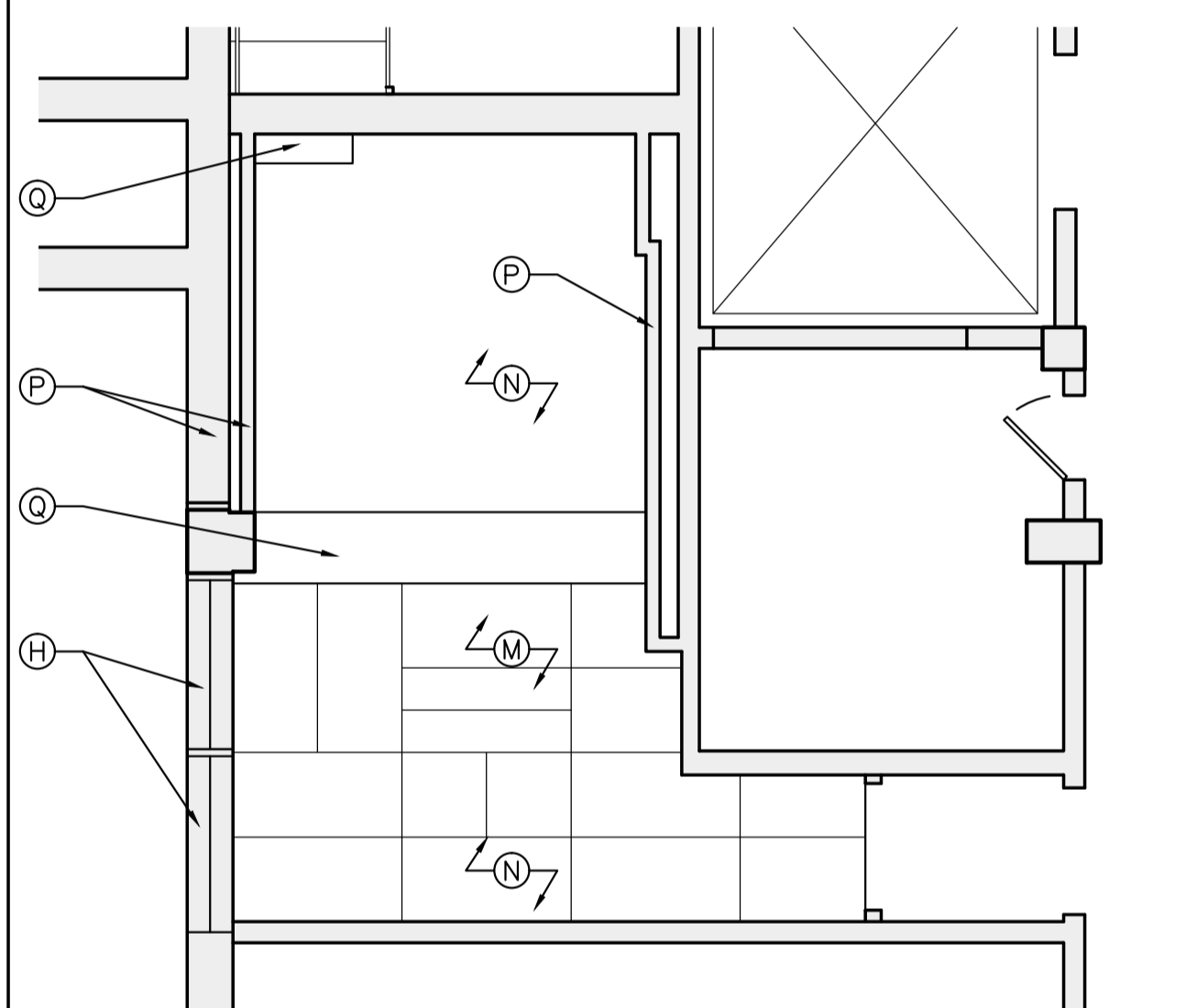
1 DEMOLITION - EXISTING FLOOR PLAN
 A01 SCALE = 1:50



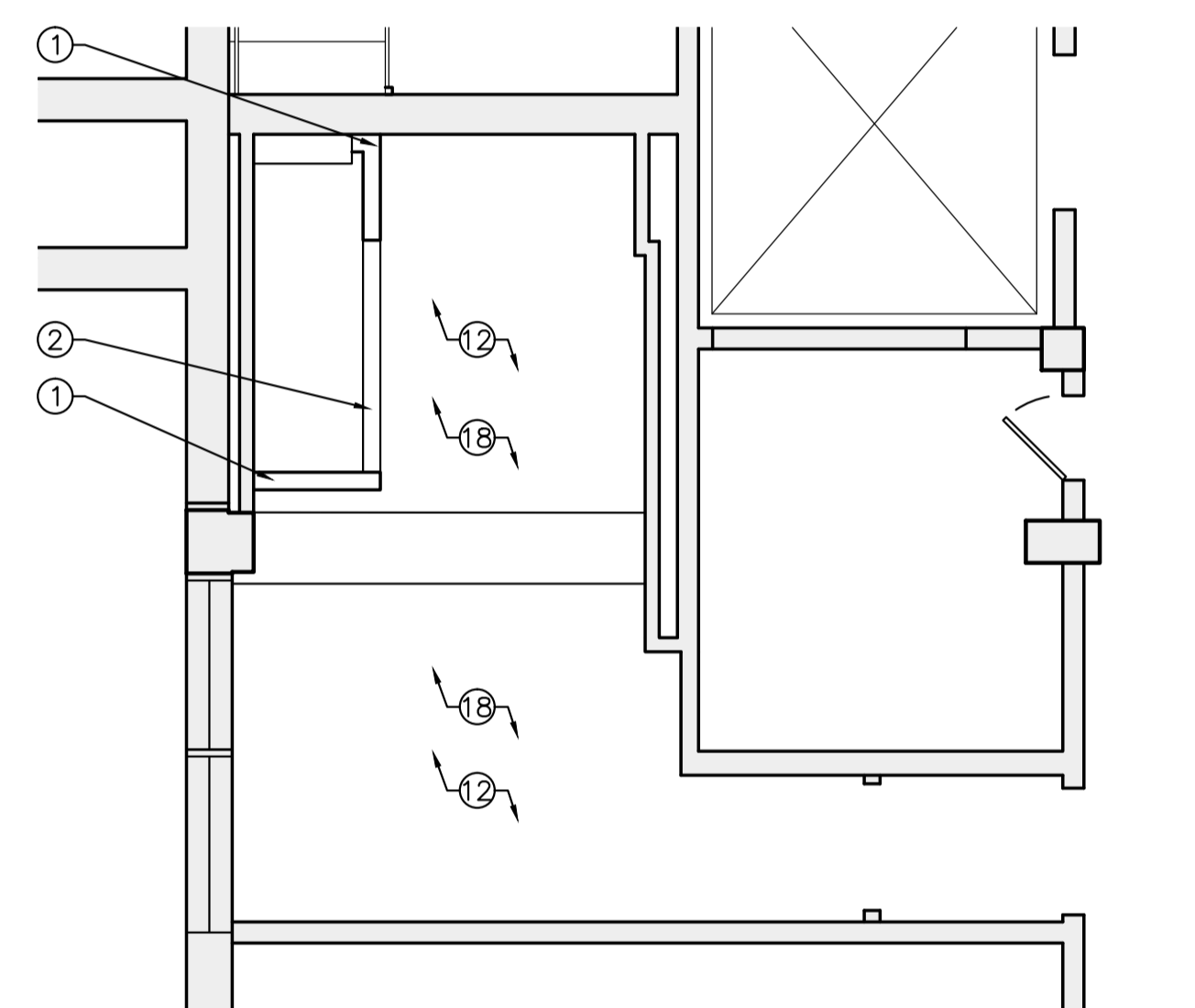
3 NEW CONSTRUCTION - FLOOR PLAN
 A01 SCALE = 1:50



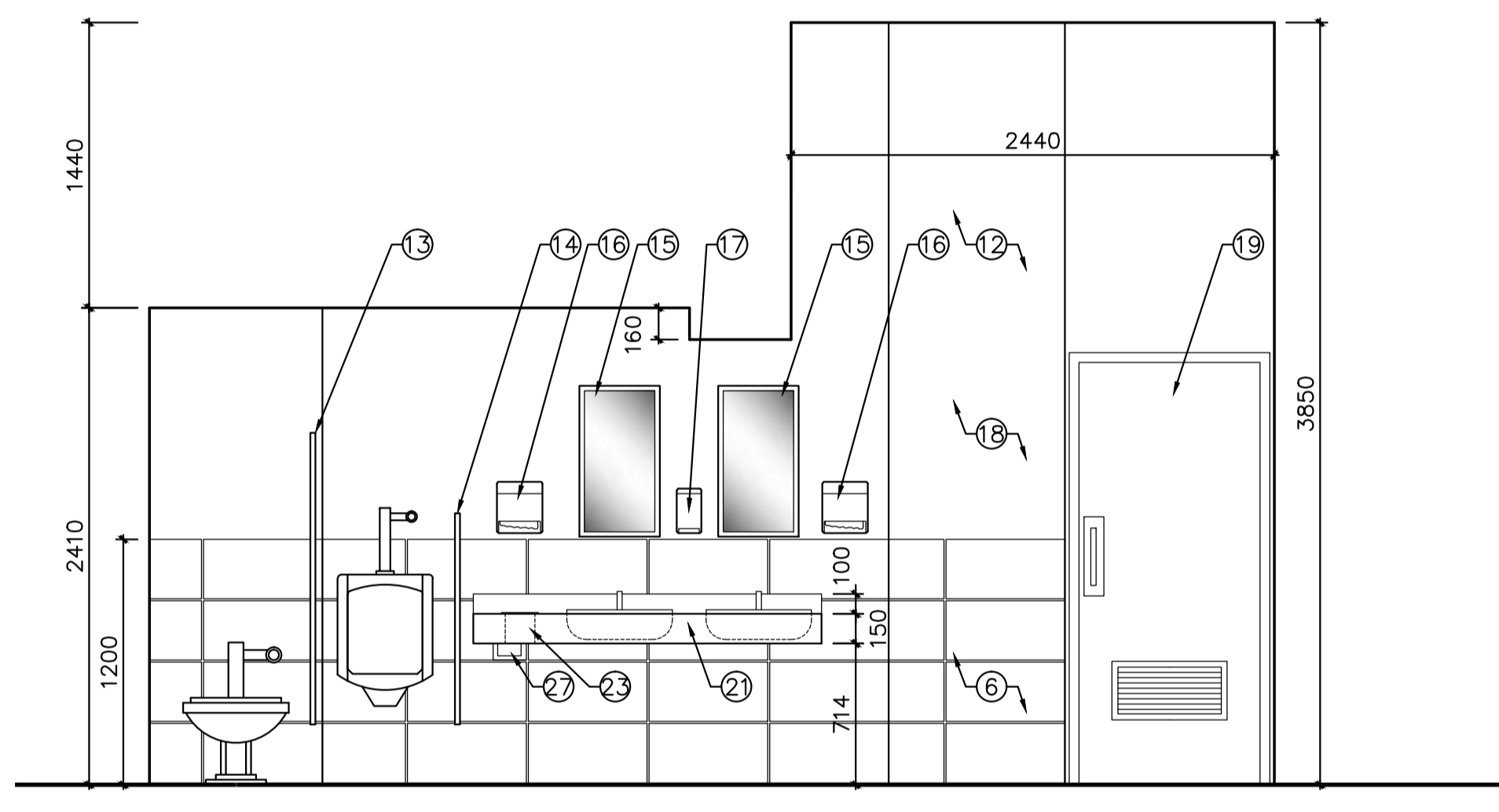
5 NEW CONSTRUCTION - WEST WALL ELEVATION
 A01 SCALE = 1:30



2 DEMOLITION - EXISTING CEILING PLAN
 A01 SCALE = 1:50

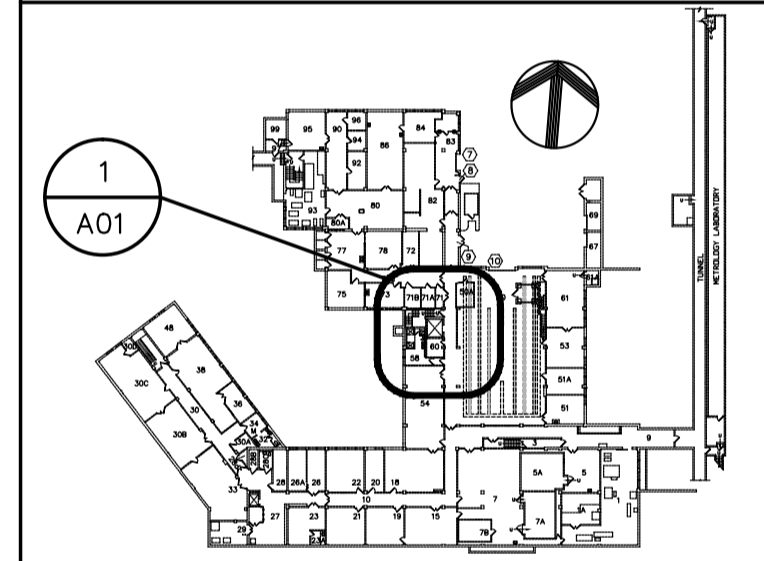


4 NEW CONSTRUCTION - CEILING PLAN
 A01 SCALE = 1:50



6 NEW CONSTRUCTION - EAST WALL ELEVATION
 A01 SCALE = 1:30

KEY PLAN



ARCHITECTURAL DEMOLITION NOTES:

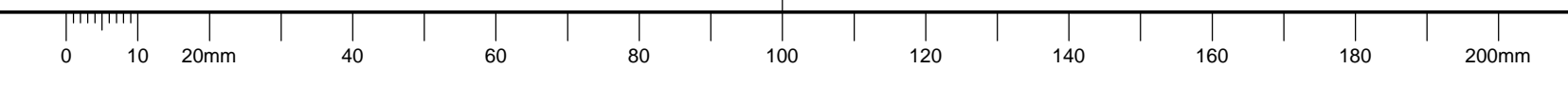
- FOR PLUMBING/MECHANICAL AND ELECTRICAL ITEMS, REFER TO MECH. AND ELEC. DRAWINGS. UNLESS NOTED OTHERWISE, ALL ITEMS NOTED BELOW ARE TO BE DISPOSED OFFSITE BY THE CONTRACTOR.
- REMOVE TOILET AND SHOWER STALL PARTITIONS AND ACCESSORIES.
- REMOVE ALL LOCKERS AND BENCH, AND RETURN TO NRC. CONTRACTOR IS RESPONSIBLE TO RELOCATE LOCKERS TO BUILDING M-40 (ON SITE) AS DIRECTED. CONTRACTOR IS TO CONTACT NRC'S PAUL HOULSTON (613-991-5018) TO ARRANGE DELIVERY TIME.
- REMOVE WALL MOUNTED MIRROR.
- REMOVE PAPER TOWEL DISPENSER AND SAVE FOR REUSE.
- REMOVE HAND DRYER.
- REMOVE SOAP DISPENSER.
- REMOVE TOILET PAPER DISPENSER AND SAVE FOR REUSE.
- EXISTING WINDOW TO REMAIN.
- ENTRY DOORS ARE TO REMAIN.
- CAREFULLY REMOVE EXISTING WALL AND FLOOR TILES BY HAND-CHIPPING OFF WALLS. DO NOT DISTURB TERRACOTTA WALLS BENEATH. REPAIR LIME PLASTER FINISH WITH MATCHING MATERIALS AS REQUIRED, IN PREPARATION TO RECEIVE NEW TILES.
- EXISTING FLOOR TILES IN VESTIBULE ARE TO BE REMOVED AS PER NOTES ABOVE, HOWEVER EXISTING WALLS AND CEILING IN VESTIBULE ARE TO REMAIN.
- SAW CUT AND REMOVE RAISED FLOOR PLATFORM AT EXISTING SHOWERS. REPAIR SUBFLOOR USING NON-SHRINK GROUT FILL. MAKE FLUSH WITH EXISTING CONCRETE AND PREP FOR NEW CONCRETE SHOWER CURB.
- EXISTING SUSPENDED CEILING THROUGHOUT ENTIRE ROOM TO BE REMOVED. CEILING IN ENTRY VESTIBULE TO REMAIN.
- ALL EXISTING PAINT IS TO BE SCRAPED AND REMOVED. ALL SURFACES ARE TO BE PATCHED, REPAIRED, AND PREPPED TO RECEIVE NEW PAINT.
- DOORS ARE TO REMAIN CLOSED DURING PRIMARY DEMOLITION, TO HELP CONTROL NOISE AND DUST.
- EXISTING WALLS TO REMAIN.
- EXISTING BULK HEAD TO REMAIN.

NEW CONSTRUCTION NOTES:

- FOR PLUMBING/MECHANICAL AND ELECTRICAL ITEMS, REFER TO MECH. AND ELEC. DRAWINGS
- NEW FULL HEIGHT SHOWER WALL, FROM TOP OF FLOOR TO UNDERSIDE OF EXISTING CEILING. 89mm 18 Ga STEEL STUDS AT 300mm O/C, WITH 19mm FIR PLYWOOD (G.1.S.) VENEER CORE SHEATHING ON ALL SIDES. ALL SURFACES WITHIN SHOWER ARE TO BE SHEATHED USING 13mm WONDERBOARD BACKERBOARD, OVER NEW PLYWOOD. ANCHOR FRAMING TO ADJACENT SURFACES AS REQUIRED.
- 100mm FRAMED BULK HEAD AT SHOWER OPENING, BETWEEN FULL HEIGHT WALLS.
- 150mm WIDE X 100mm HIGH CAST IN PLACE CONCRETE CURB AT SHOWER OPENING BETWEEN FULL HEIGHT WALLS. DOWEL INTO EXISTING CONCRETE.
- MAKE GOOD CONCRETE SUBFLOOR AROUND NEW FLOOR DRAINS.
- NOT USED.
- PROVIDE NEW WALL AND FLOOR TILES THROUGHOUT ROOM. TILES TO BE OLYMPIA YURA NEW SERIES - FOGGY (LT. GREY). SIZE 300mm X 600mm. TYPICAL TOP HEIGHT ON WALLS: 1200mm. USE STANDARD GROUT THROUGHOUT ROOM (COLOR "BRIGHT WHITE"). PROVIDE ALUMINUM TRIM AT ALL TILE EDGES, TERMINATIONS, ETC...
- NEW TILE FLOORING IS TO EXTEND THROUGH VESTIBULE, TO TRANSITION AT HALLWAY. HALLWAY IS TO HAVE 100mm HIGH TILE BASE, RATHER THAN WALL TILES. EXISTING THRESHOLD AT HALLWAY DOOR IS TO REMAIN.
- NEW FLOOR TILES ARE TO BE CUT AROUND EXISTING FLOOR ACCESS HATCH.
- TILE ON EXTERIOR SIDE OF SHOWER WALLS IS TO EXTEND TO CEILING.
- WEST WALL (TO BE BEHIND NEW LOCKERS) IS ONLY TO RECEIVE 100mm HIGH TILE BASE.
- ALL TILES WITHIN SHOWER AND AT SHOWER ENTRY ARE TO BE GROUTED USING FLEXITILE TWO PART EPOXY GROUT (COLOR "BRIGHT WHITE"). SHOWER MORTAR TO BE FLEXITILE #51 MIXED WITH FLEXITILE #44. FLOOR AND WALLS OF SHOWER TO BE LINED WITH FLEXITILE WP-980 WATERPROOF MEMBRANE BENEATH TILES. FLOOR TILES TO BE OLYMPIA QUEBEC SERIES "STERLING GREY" UNGLAZED, IN 50mm X 50mm PATTERN TO ALLOW FOR PROPER

- SLOPE TO DRAIN, COMPLETE WITH COVED BASE TRIM AROUND PERIMETER. QUEBEC TILES ARE TO EXTEND 100mm UP WALLS INSIDE SHOWER, AND OVER ENTIRE SURFACE OF ENTRY LEDGE. WALL AND CEILING TILES TO BE OLYMPIA ONTARIO SERIES "SNOW WHITE MATTE" IN 50mm X 50mm PATTERN. ONTARIO TILES ARE TO ALSO COVER TOP AND SIDES OF ENTRY INTO SHOWER.
- PATCH AND REPAIR ALL AREAS OF EXISTING PLASTER/GYPSUM WALLS AND CEILINGS DAMAGED DURING DEMOLITION, OR DAMAGED BY THE REMOVAL OF OLD ITEMS.
- PROVIDE NEW BOBRICK "DURALINE" SOLID PHENOLIC FLOOR-TO-CEILING PARTITIONS FOR SHOWER STALLS AND TOILET STALL. COLOR: E0-00 WHITE. STANDARD CONCEALED STAINLESS STEEL HARDWARE. TOILET STALL PARTITION AND DOOR TO BE STANDARD 58" HEIGHT. SHOWER STALL PARTITION AND DOORS TO BE STANDARD 72" HEIGHT. ALL DOORS ARE TO HAVE THE GAP-FREE INTERLOCKING PRIVACY OPTION.
- PROVIDE NEW BOBRICK "DURALINE" SOLID PHENOLIC, WALL HUNG, 42" URINAL SCREEN. COLOR: E0-00 WHITE.
- PROVIDE (2) NEW 406 X 762 STOCK SERIES MIRROR, BY FROST.
- REINSTALL TOILET AND PAPER TOWEL DISPENSERS REMOVED FROM ORIGINAL WASHROOM.
- INSTALL NEW SOAP DISPENSER (PROVIDED BY NRC).
- PRIME AND PAINT (2 COATS) ALL WALLS, CEILINGS, PIPES, DUCTS, CONDUITS, ETC... IN ROOM 314 (INCLUDING ACCESS DOOR ON LOWER CEILING). PRIMER TO BE ICI DULUX LIFEMASTER PRIMER, ZERO VOC, 100% ACRYLIC, PAINT COLOUR: ICI PAINTS "CRISP WHITE SHIRT" 60YR 83/009, A0008, EGGSHELL FINISH.
- INSIDE FACE OF DOOR AND DOOR FRAME ARE TO BE PAINTED TO MATCH WALLS. SEMI-GLOSS FINISH.
- PROVIDE NEW FLOOR MOUNTED DOOR STOP, AT SAME LOCATION AS EXISTING. MODEL: GALLERY SPECIAL HARDWARE - FLOOR STOP - GSH 209. FINISH 626.
- NEW 19mm FIR PLYWOOD (GOOD ONE SIDE) COUNTERTOP, WITH 100mm HIGH BACK SPLASH AGAINST ADJACENT WALL, AND 150mm DEEP EDGE. OUTSIDE CORNERS TO BE ROUNDED, RADIUS: 100mm. FINISH WITH

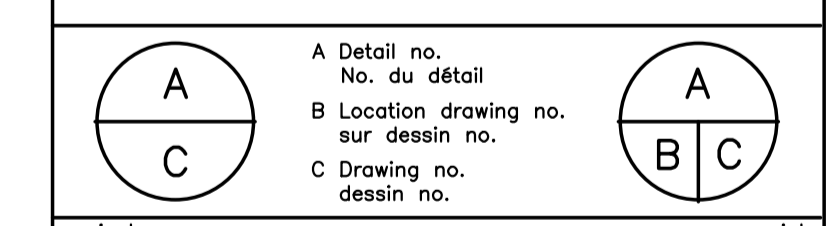
- ARBORITE PLASTIC LAMINATION ALL SURFACES (INCLUDING CONCEALED SIDES), COLOR: SNOW WHITE S-417 CA. SECURE TO EXISTING WALLS AND BRACKETS BELOW. PROVIDE SHOP DRAWINGS FOR REVIEW.
- PROVIDE (3) NEW, PLYWOOD SUPPORT BRACKETS UNDER NEW COUNTERTOP. BRACKETS ARE TO BE FINISHED WITH PLASTIC LAMINATE ON ALL SURFACES, TYPE TO MATCH NEW COUNTER. ATTACH TO EXISTING WALL USING A MINIMUM OF (2) EPOXY ANCHORS PER BRACKET. PROVIDE SHOP DRAWINGS FOR REVIEW.
- PROVIDE NEW BOBRICK B-529 COUNTERTOP CIRCULAR WASTE CHUTE, IN NEW COUNTER.
- PROVIDE 4 NEW NYSTROM "WHITE BOARD HAT & COAT DOUBLE HOOK" WALL MOUNTED IN 1 ROW. INSTALL AS PER MANUFACTURER'S INSTRUCTIONS.
- SUPPLY AND INSTALL NEW LOCKERS AS SHOWN. LOCKERS TO BE HADRIAN "GLADIATOR" DOUBLE TIER LOCKERS (12 TOTAL), COMPLETE WITH FRICTION STYLE LATCH, STANDARD PLASTIC NUMBER PLATES (NUMBERED 1 THRU 24), AND INTERIOR HOOKS (3 PER LOCKER). HEIGHT: 1830mm, INDIVIDUAL WIDTH: 305mm, DEPTH: 455mm, COLOR: 500 "WHITE". INSTALL AS PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE NEW HADRIAN "BENCH SEAT", SIZE: 241mm X 1829mm.
- NEW STAINLESS STEEL MECHANICAL ACCESS DOOR.
- INSTALL NEW STG1 20"x12" DOOR GRILLE, BY PRICE, IN EXISTING EXTERIOR ENTRY DOOR (HALLWAY DOOR), IN ORDER TO PROVIDE AIR FLOW INTO VESTIBULE. FINISH :B15. BF MOUNTING STYLE.



0	OCT. 2013	ISSUED FOR TENDER	BL
No.	Date	Revision	By: Parc

Date Printed DD MM YYYY Date imprimée

- Verify all dimensions and site conditions and be responsible for same
- Vérifier toutes les dimensions et l'état des lieux et en assumer la responsabilité



project
M-20 ROOM 58 WASHROOM RENOVATION
 MONTREAL ROAD CAMPUS
 drawing
DEMOLITION + NEW CONSTRUCTION PLANS AND DETAILS

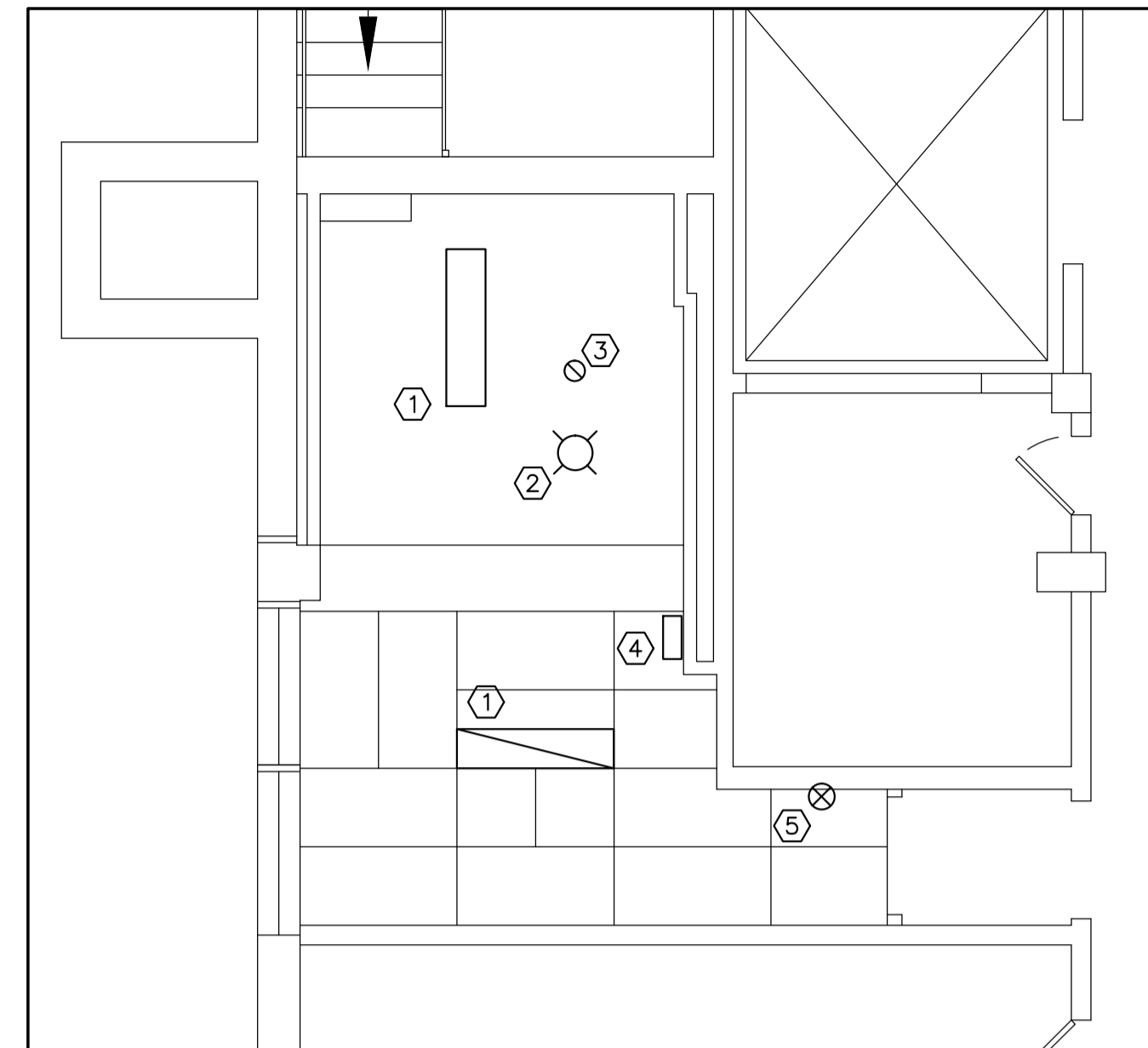
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approved	approuvé	W.O.no.	D.T.no.
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dwg.no.			dessin no.
3841-A01			

GENERAL NOTES

- A READ THIS DRAWING IN CONJUNCTION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND SPECIFICATIONS.
- B CONTRACTORS TO CHECK AND VERIFY ALL DIMENSIONS ON SITE PRIOR TO DEMOLITION OR CONSTRUCTION AND REPORT ANY ERRORS OR OMISSIONS TO NRC DEPARTMENTAL REPRESENTATIVE.
- C CONTRACTORS MUST VISIT THE SITE & FULLY FAMILIARIZE THEMSELVES WITH THE SCOPE OF THE WORK.
- D PREVENT THE SPREAD OF DUST & DEBRIS BEYOND THE WORK AREA AND CLEAN ALL SURFACES AT COMPLETION.
- E MAKE GOOD ALL SURFACES AFFECTED BY THIS WORK.
- F COORDINATE ALL SHUTDOWNS WITH THE NRC DEPARTMENTAL REPRESENTATIVE.
- G FILL ALL HOLES, PATCH & PAINT ALL SURFACES IN CONTRACT AREA. COLOUR SCHEME TO MATCH EXISTING.
- H REMOVE MEANS REMOVE AND DISPOSE OF OFF SITE UNLESS OTHERWISE NOTED.
- I PROVIDE LABELS TO NEW DEVICES TO INDICATE POWER SOURCE. UPDATE PANEL SCHEDULES AFTER JOB COMPLETION.
- J REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR FINAL PLACEMENT OF LIGHT FIXTURES.
- K ALL WIRE TO BE IN EMT UNLESS OTHERWISE NOTED.

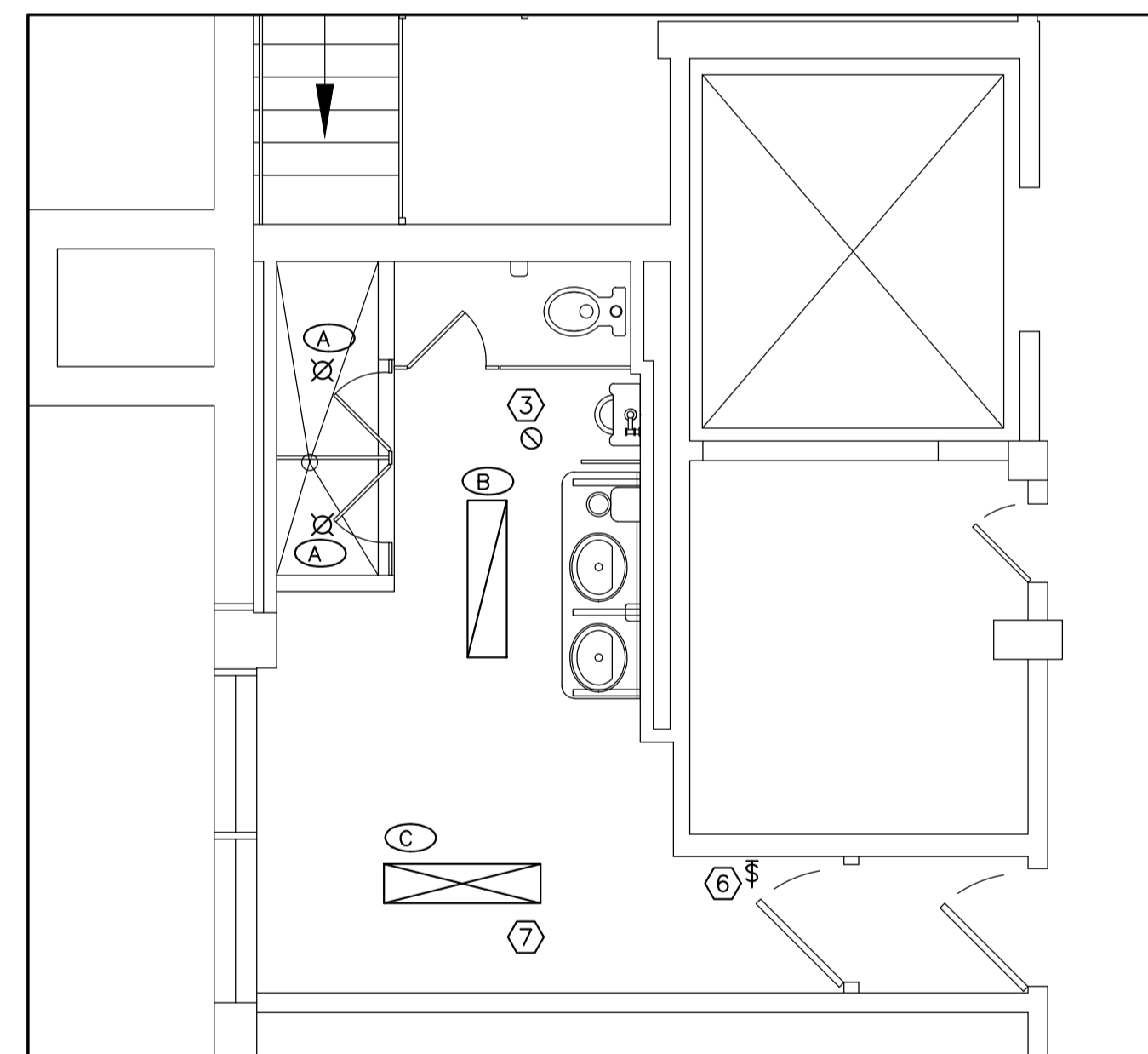
DRAWING NOTES

1. REMOVE EXISTING LIGHT FIXTURE. RETAIN CIRCUIT FOR NEW LIGHTING.
2. REMOVE EXISTING LIGHT FIXTURE AND REMOVE WIRE BACK TO SOURCE. INSTALL BLANK COVER PLATE PAINTED TO MATCH NEW CEILING PAINT.
3. REMOVE EXISTING HEAT DETECTOR TO ALLOW FOR CEILING PAINTING. REINSTALL ONCE CONSTRUCTION IS COMPLETE.
4. EXISTING ELECTRIC HAND DRYER TO BE REMOVED. CIRCUITED FROM L44-26. REMOVE WIRE BACK TO PANEL AND MARK BREAKER AS SPARE.
5. EXISTING JUNCTION BOX WHERE SWITCH USED TO BE LOCATED.
6. INSTALL LIGHT SWITCH IN EXISTING BOX TO CONTROL NEW LIGHTING.
7. SUSPEND NEW LIGHT FIXTURE TO BELOW EXISTING PIPING.



1
E01 SCALE: 1:50
ELECTRICAL DEMOLITION

LEGEND	
	SURFACE MOUNTED LIGHT FIXTURE
	RECESSED LIGHT FIXTURE
	SUSPENDED LIGHT FIXTURE
	RECESSED POT LIGHT
	SURFACE MOUNTED LIGHT FIXTURE
	LIGHT SWITCH
	JUNCTION BOX
	HEAT DETECTOR



2
E01 SCALE: 1:50
ELECTRICAL NEW WORK

No.	Date	Revision	By:
0	NOV. 2013	ISSUED FOR TENDER	DJF

Date Printed DD MM YYYY Date imprimée

- o Verify all dimensions and site conditions and be responsible for same
- o Vérifier toutes les dimensions et l'état des lieux et en assumer la responsabilité

	A Detail no. No. du détail	
	B Location drawing no. sur dessin no.	
	C Drawing no. dessin no.	

project **M-20 ROOM 58 WASHROOM RENOVATION** projet

MONTREAL ROAD CAMPUS

drawing **ELECTRICAL WORK** dessin

designed **D.J.F.** conçu **OCT. 2013** date

drawn **D.J.F.** dessiné **AS NOTED** scale échelle

checked **E01** of/de **1** vérifié sheet feuille

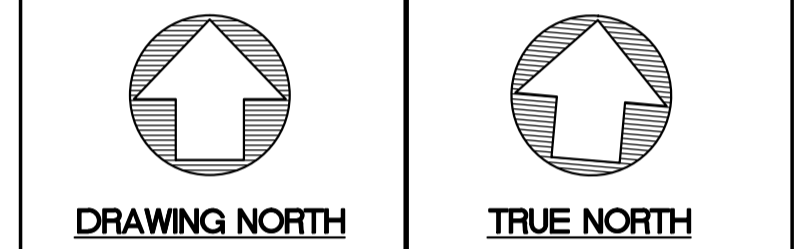
approved **W.O.no.** D.T.no.

dwg.no. **3841-E01** dessin no.



GENERAL NOTES

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- PREVENT THE SPREAD OF DUST & DEBRIS BEYOND THE WORK AREA AND CLEAN ALL SURFACES AT COMPLETION.
- MAKE GOOD ALL SURFACES AFFECTED BY THIS WORK.
- COORDINATE ALL SHUTDOWNS WITH THE DEPARTMENTAL REPRESENTATIVE.
- PROVIDE ALL LABOUR AND MATERIAL REQUIRED TO FORM A COMPLETE, FUNCTIONAL SYSTEM AS DESCRIBED ON DRAWINGS.
- CONTRACTOR TO SCAN FLOOR BEFORE COMMENCEMENT OF WORK TO VERIFY LOCATION OF ALL MECHANICAL AND ELECTRICAL SERVICES.

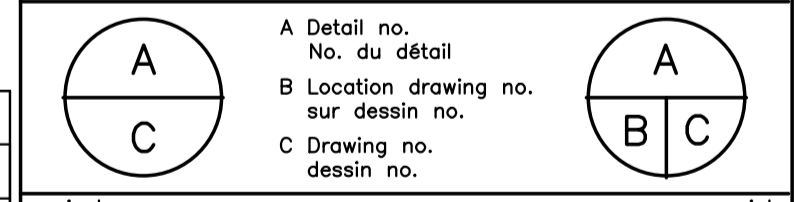


MECHANICAL GENERAL NOTES:

- INSTALLATION OF ALL DCW, DHW, NEW SANITARY AND VENT PIPING TO BE INSTALLED AS PER NRC STANDARDS.
- NEW WASHROOM FIXTURES SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS.
- ALL TRADES TO COORDINATE WORK ON SITE TO AVOID ANY CONFLICTS AND/OR INTERFERENCES.
- ANY WORK REQUIRING THE SHUTDOWN OF ANY BUILDING SYSTEM IS TO BE COORDINATED WITH NRC REPRESENTATIVE AND BUILDING COORDINATOR.
- SHOP DRAWINGS MUST BE SUBMITTED TO NRC REPRESENTATIVE FOR REVIEW AND APPROVAL. SHOP DRAWINGS TO INCLUDE ALL DESCRIPTIVE DATA FOR MECHANICAL EQUIPMENT AND COMPONENTS AS WELL AS NAME OF PROJECT, CONTRACTOR, NAME OF COMPONENT, MANUFACTURER AND MODEL NUMBER, OVERALL DIMENSIONS AND CLEARANCE DIMENSIONS, WEIGHTS, NOISE LEVELS AND EXTENDED WARRANTY COVERAGE. OBTAIN AND DISPLAY ALL REQUIRED PERMITS ON WORKSITE AND INCLUDE COPIES OF INSPECTION CERTIFICATES IN OPERATING AND MAINTENANCE MANUALS.
- KEEP SITE CLEAR OF RUBBISH AND WASTE MATERIAL RESULTING FROM WORK ON DAILY BASIS.
- BALANCE ALL SYSTEMS TO OPERATE AS DESIGNED.

No.	Date	Revision	By:
0	OCT. 2013	ISSUED FOR TENDER	JWG

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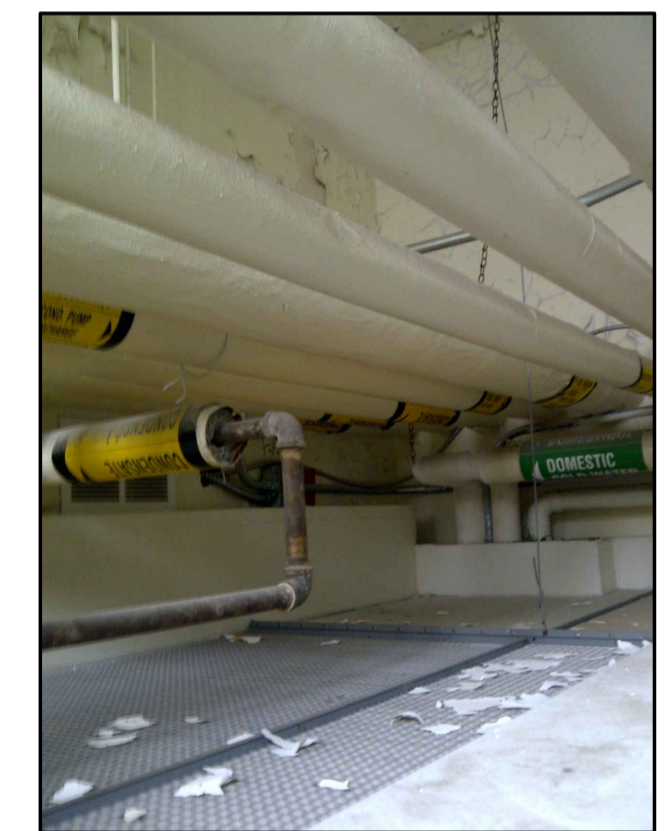


project BLDG M-20- ROOM 58- WASHROOM RENOVATION project
 drawing MECHANICAL NEW WORK, DEMOLITION, SCHEDULES AND DESCRIPTION OF WORK dessin

designed JWG conçu date OCT 2013 date
 drawn JWG dessiné scale AS INDICATED échelle
 checked --- vérifié sheet 1 of/de 1 feuille
 approved BV approuvé W.O.no. A1-000504-11 D.T.no.
 dwg.no. 3841-M01 dessin no.

MECHANICAL NOTES:

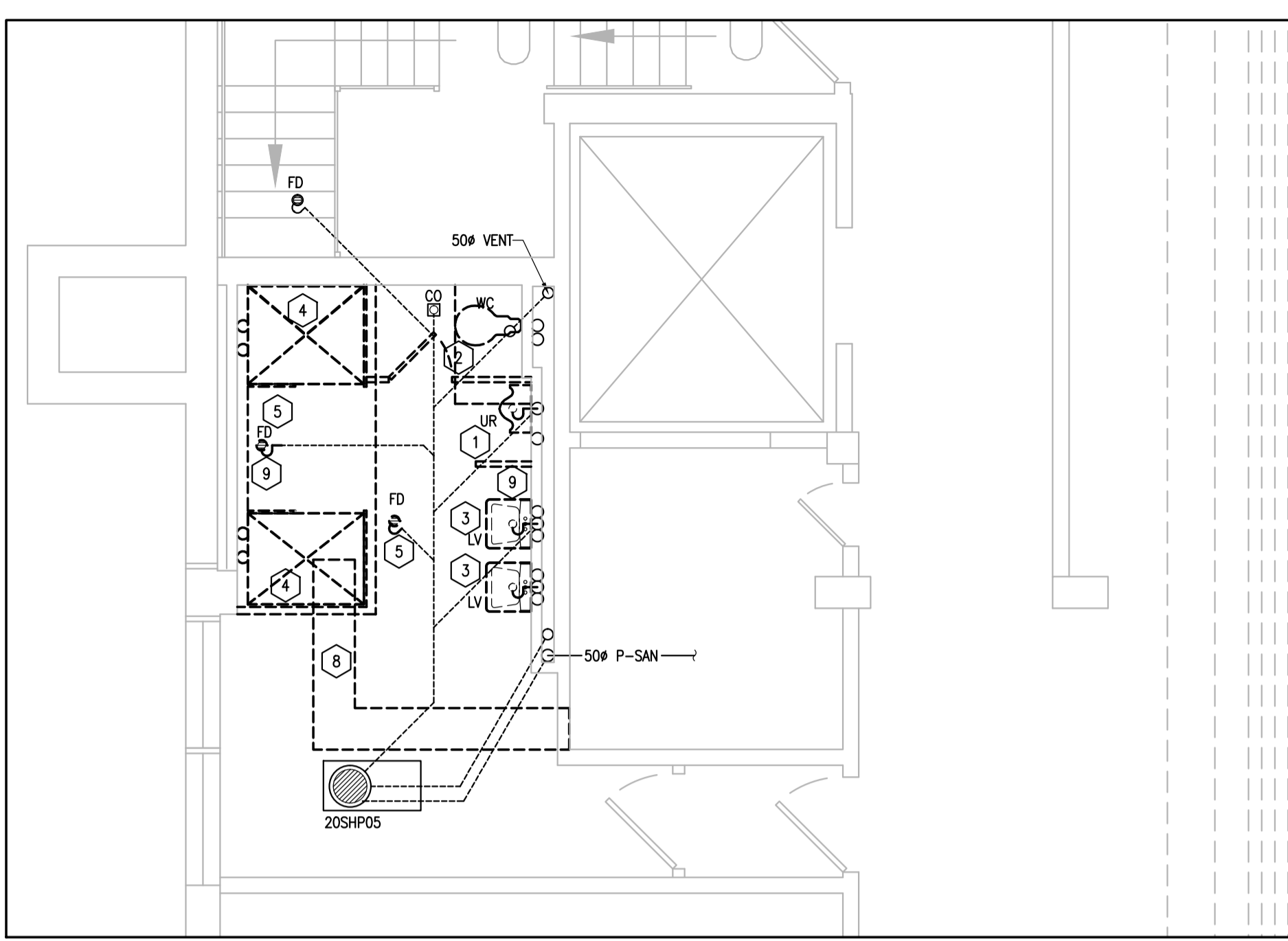
- DISCONNECT, REMOVE AND DISPOSE OFF SITE EXISTING URINALS (UR'S), ASSOCIATED FLUSH VALVE, ASSOCIATED DOMESTIC COLD WATER AND SANITARY DRAIN PIPING AS INDICATED. CONTRACTOR TO REMOVE EXISTING CHEMICAL DISPENSING SYSTEM AND RETAIN FOR REUSE.
- DISCONNECT, REMOVE AND DISPOSE OFF SITE EXISTING WATER CLOSETS (WC'S), ASSOCIATED FLUSH VALVES, ASSOCIATED DOMESTIC COLD WATER AND SANITARY DRAIN PIPING AS INDICATED.
- DISCONNECT, REMOVE, AND DISPOSE OFF SITE EXISTING LAVATORIES (LV'S), ASSOCIATED FIXTURES, ASSOCIATED DOMESTIC HOT AND COLD WATER PIPING AND SANITARY DRAIN PIPING AS INDICATED.
- DISCONNECT, REMOVE AND DISPOSE OFF SITE EXISTING SHOWERS (SH'S), ASSOCIATED FIXTURES, ASSOCIATED DOMESTIC HOT AND COLD WATER PIPING AND SANITARY DRAIN PIPING AS INDICATED.
- DISCONNECT AND REMOVE EXISTING FLOOR DRAINS (FD'S) AND ASSOCIATED PIPING AS INDICATED. COORDINATE CONCRETE CUTTING AND REMOVAL WITH ALL TRADES.
- DISCONNECT AND REMOVE EXISTING EXHAUST AIR GRILLES (EG'S) AND RETAIN ASSOCIATED DUCTWORK AS INDICATED FOR FUTURE USE. DISPOSE OFF SITE ALL REMOVED MATERIAL.
- REVIEW EXISTING EXHAUST FAN (LOCATED IN ROOM 302) AND VERIFY OPERATION AND CONDITION. REPORT TO NRC REPRESENTATIVE FOR REVIEW.
- CONTRACTOR TO REMOVE EXISTING PIPING INSULATION ON MECHANICAL SERVICES (DCW, DHW, DHWR, MPS AND COND. RET.) IN AREA TO BE EXPOSED. WORK TO BE PERFORMED BY CERTIFIED ASBESTOS REMOVAL CONTRACTOR. PROVIDE COPY OF CONTRACTOR'S LICENSE AND PROPOSED PROCEDURES BEFORE COMMENCEMENT OF WORK. REFER TO DETAIL 5 FOR ADDITIONAL INFORMATION.
- REMOVE EXISTING ACCESS DOORS IN SHOWER AREA AND NEAR EXISTING, TO BE REMOVED SINKS (LV'S) TO ALLOW FOR NEW TILING. DISPOSE OF MATERIAL OFF SITE.
- DISCONNECT AND REMOVE EXISTING SUPPLY AIR DIFFUSER (SD) AND ASSOCIATED DUCTWORK AS INDICATED. DISPOSE OFF SITE ALL REMOVED MATERIAL.
- PROVIDE NEW WATER CLOSET (WC1), FLUSH VALVE, SEAT, DOMESTIC COLD WATER AND SANITARY PIPING AS INDICATED. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION. REFER TO SPECIFICATIONS AND FIXTURE SCHEDULE FOR ADDITIONAL DETAILS. CUT FLOOR SLAB TO SUIT NEW SANITARY DRAIN LOCATION.
- PROVIDE NEW URINAL (UR1), FLUSH VALVE, DOMESTIC COLD WATER AND SANITARY DRAIN PIPING AS INDICATED. CONNECT DOMESTIC COLD PIPING AND SANITARY DRAIN PIPING TO EXISTING BUILDING SERVICES. REFER TO SPECIFICATION AND FIXTURE SCHEDULE FOR ADDITIONAL DETAILS. CONTRACTOR TO INSTALL RETAINED CHEMICAL DISPENSING SYSTEM ON WATER CONNECTION TO URINAL.
- PROVIDE NEW LAVATORIES (LAV1'S), FIXTURES (1 MANUAL, 1 TOUCH-LESS), DOMESTIC HOT AND COLD WATER AND SANITARY DRAIN PIPING AS INDICATED. CONNECT ALL NEW DOMESTIC HOT WATER (DHW), DOMESTIC COLD WATER (DCW) AND SANITARY DRAIN PIPING TO EXISTING BUILDING SERVICES. REFER TO SPECIFICATIONS AND FIXTURE SCHEDULE FOR ADDITIONAL DETAILS.
- PROVIDE NEW SHOWER FIXTURES (SHOWER HEAD AND MIXING VALVE), DOMESTIC HOT AND COLD WATER AND SANITARY DRAIN PIPING AS INDICATED. CONNECT ALL NEW SERVICES TO EXISTING BUILDING SERVICES. REFER TO SPECIFICATIONS AND FIXTURE SCHEDULE FOR ADDITIONAL DETAILS. PROVIDE REQUIRED ACCESS DOORS FOR ISOLATION VALVES IN NEW WALLS AS REQUIRED.
- PROVIDE NEW FLOOR DRAINS (FD1'S), ASSOCIATED TRAP SEAL PRIMER PIPING AND SANITARY PIPING AS INDICATED. PATCH AND REPAIR ALL DAMAGE TO CONCRETE FLOOR REQUIRED FOR INSTALLATION BEFORE NEW TILE INSTALLATION.
- PROVIDE NEW EXHAUST GRILLES (EG1 AND EG2) AS INDICATED AND PROVIDE NEW EXHAUST DUCTWORK FROM NEW EXHAUST GRILLES TO EXISTING EXHAUST DUCTWORK.
- PROVIDE NEW SHEAVES, PULLEYS, BELTS AND BEARINGS FOR EXHAUST FAN 20XAF04 REQUIRED FOR PRELONGING LIFE AND REBALANCING OF EXHAUST FAN.
- PROVIDE NEW SUPPLY AIR GRILLE (SG1), BALANCING DAMPER AND SUPPLY AIR DUCT AS INDICATED. CONNECT TO EXISTING SUPPLY AIR DUCTWORK.
- PROVIDE NEW INSULATION (THICKNESS- REFER TO SPECIFICATIONS) ON MECHANICAL SERVICES (DCW, DHW, DHWR, MPS, COND. RET.), WHITE PVC JACKETS AND LABELS AS PER SPECIFICATIONS.
- PROVIDE NEW WALL ACCESS DOORS (3 TOTAL- 2 IN SHOWER AREAS, 1 FOR SINKS) FOR MECHANICAL SERVICES IN SHOWER AREA AND NEAR NEW LAVATORIES.
- TEST, ADJUST AND BALANCE EXHAUST FAN 20XAF04, EXHAUST GRILLES (RG1, RG2 & RG3), AND SUPPLY GRILLE (SG1) TO QUANTITIES INDICATED. SUBMIT COPY OF BALANCING REPORT TO NRC REPRESENTATIVE FOR REVIEW BEFORE INCLUDING IN O&M MANUAL.



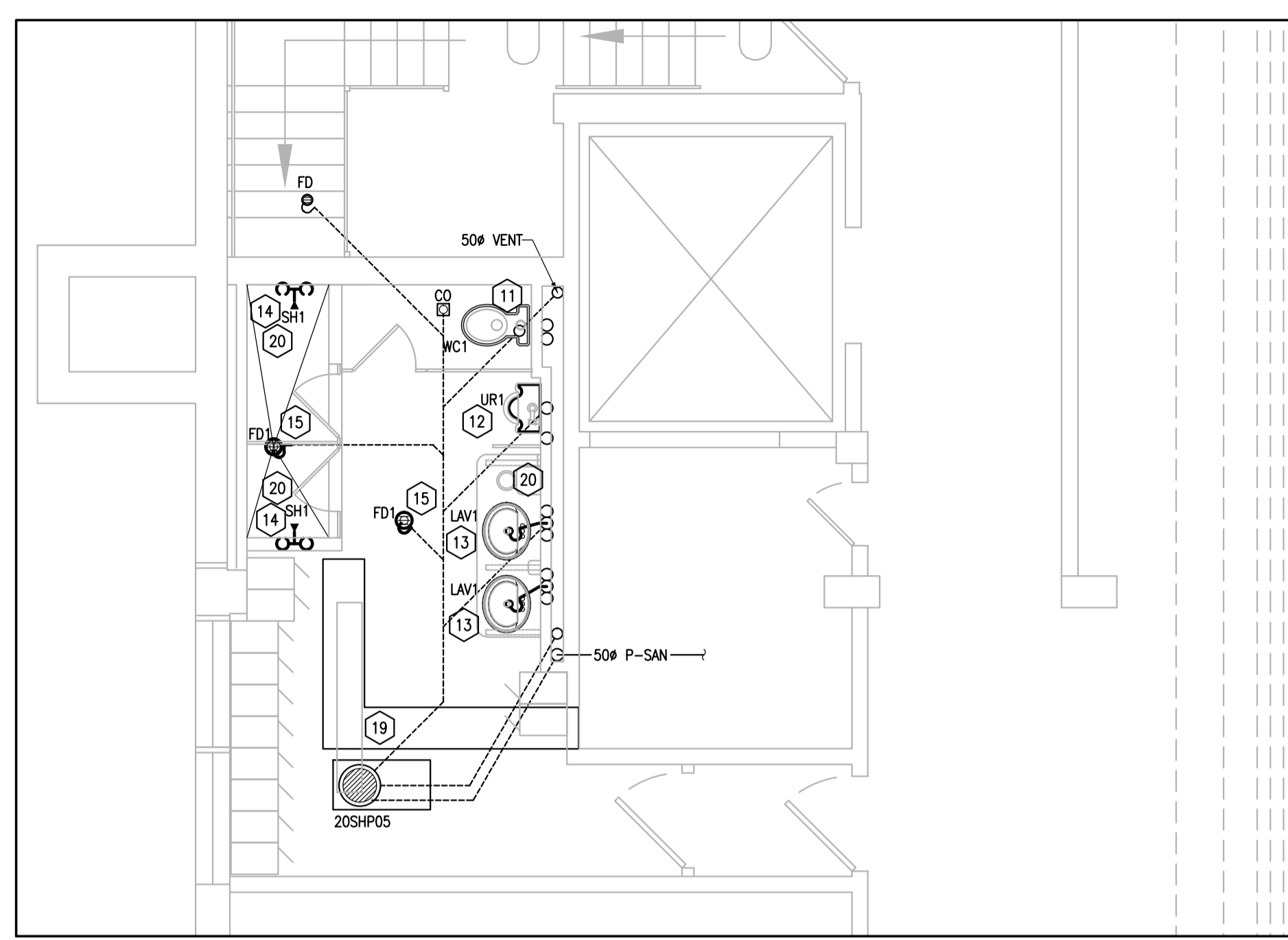
5 MECHANICAL SERVICES TO BE ABATED AND RE-INSULATED
 SCALE- NTS

FIXTURE SCHEDULE							
TAG	FIXTURE TYPE	DCW	DHW	DHWR	SAN	VENT	REMARKS
LV	LAVATORY	13#	13#	N/A	38#	38#	LAVATORY- TO BE REMOVED
LV1	LAVATORY	13#	13#	N/A	38#	38#	LAVATORY- NEW
WC	WATER CLOSET	38#	N/A	N/A	75#	-	FLOOR MOUNT- FLUSH VALVE- TO BE REMOVED
WC1	WATER CLOSET	38#	N/A	N/A	75#	-	FLOOR MOUNT- FLUSH VALVE- NEW
UR	URINAL	20#	N/A	N/A	50#	-	WALL MOUNTED- TO BE REMOVED
UR1	URINAL	20#	N/A	N/A	50#	-	WALL MOUNT- NEW
SH	SHOWER	13#	13#	N/A	N/A	-	EXISTING- TO BE REMOVED
SH1	SHOWER	13#	13#	N/A	N/A	-	NEW- SHOWER HEAD AND MIXING VALVE

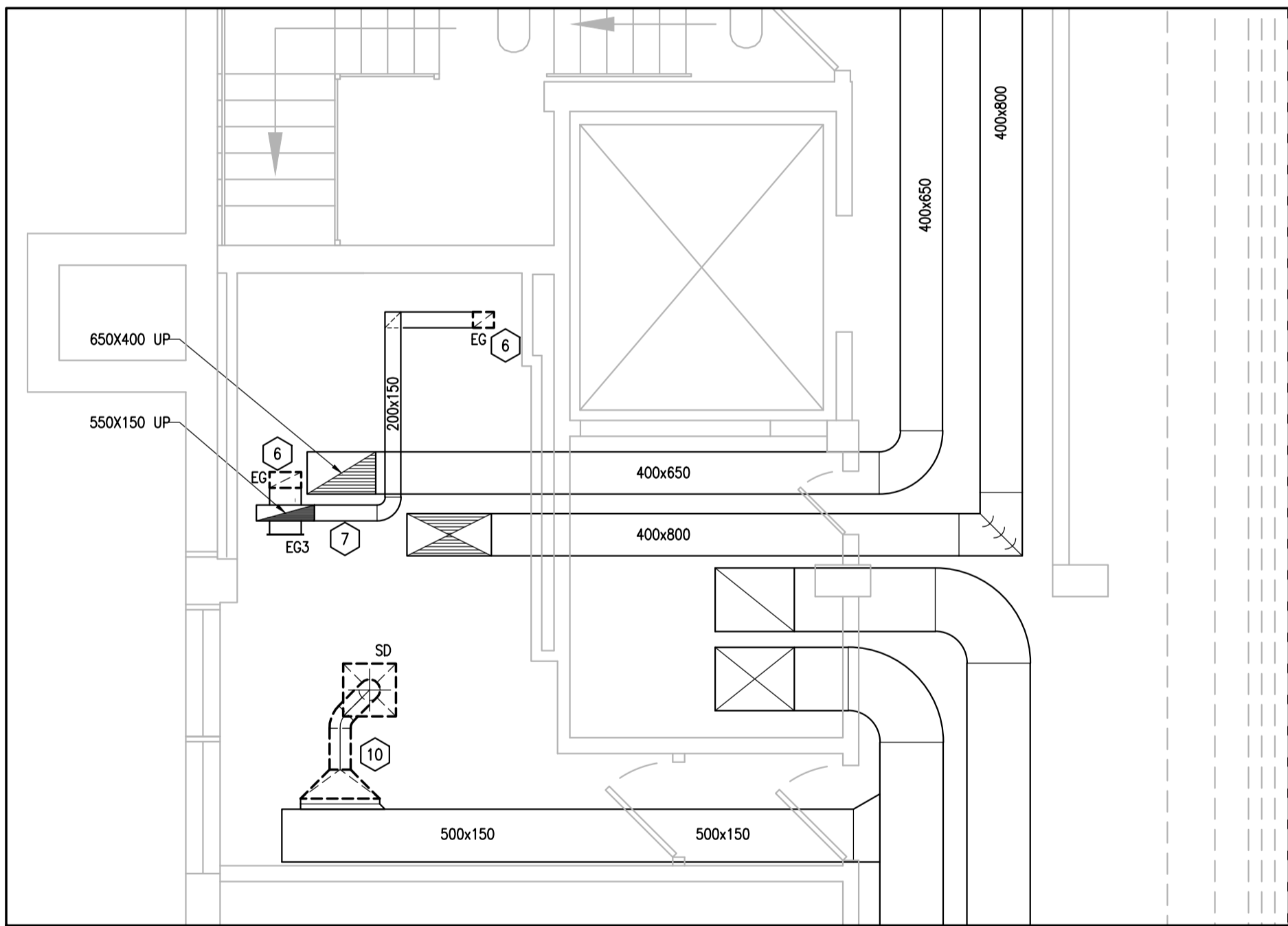
- NOTE:**
- NEW FIXTURES ARE TO BE CONNECTED TO EXISTING DOMESTIC COLD WATER, DOMESTIC HOT WATER, DOMESTIC HOT WATER, SANITARY DRAIN AND VENT SERVICES. ALL NEW DOMESTIC COLD, DOMESTIC HOT TO BE INSULATED AS PER SPECIFICATIONS.
 - NOTE THAT ALL URINALS SHALL BE HANDS FREE OPERATION.
 - ALL SANITARY PIPING TO BE SLOPED AS PER NATIONAL BUILDING CODE STANDARDS (NBC).
 - PROVIDE NEW BALL TYPE ISOLATION VALVES ON ALL INCOMING DOMESTIC HOT AND COLD WATER SERVICES TO LAV1'S.
 - NEW WATER CLOSET (WC1) IS BASED ON AN AMERICAN STANDARD "MADERA" C/W MANUAL AMERICAN STANDARD FLUSHOMETER.
 - NEW URINAL (UR1) IS BASED ON AMERICAN STANDARD MODEL "WASHBROOK" C/W AUTOMATIC FLUSH VALVES, AMERICAN STANDARD MODEL 50S3101.
 - NEW LAVATORIES (LV1'S) ARE BASED ON AMERICAN STANDARD MODEL "CADET" AND FAUCETS ARE BASED ON EITHER AMERICAN STANDARD MODEL "INNSBROOK" ELECTRONIC SENSING (TYPICAL OF 1) OR AMERICAN STANDARD MODEL "HERITAGE" MANUAL OPERATION (TYPICAL OF 1).
 - SH1'S- NEW SHOWER HEADS ARE BASED ON DELTA MODEL 52635-PK, TRIMS BASED ON DELTA MODEL 132900 (H79 HANDLE) AND MIXING VALVES ARE BASED ON DELTA MONITOR 13 SERIES C/W MODEL R10000 VALVE BODY.
 - ALL NEW ISOLATION VALVES ARE TO BE PROVIDED WITH ACCESS DOORS WHERE REQUIRED.
 - NEW FLOOR DRAINS BASED ON WATTS FD-100 C/W TRAP SEAL PRIMERS. TRAP SEAL PRIMERS TO BE CONNECTED TO NEAREST DCW CONNECTION.



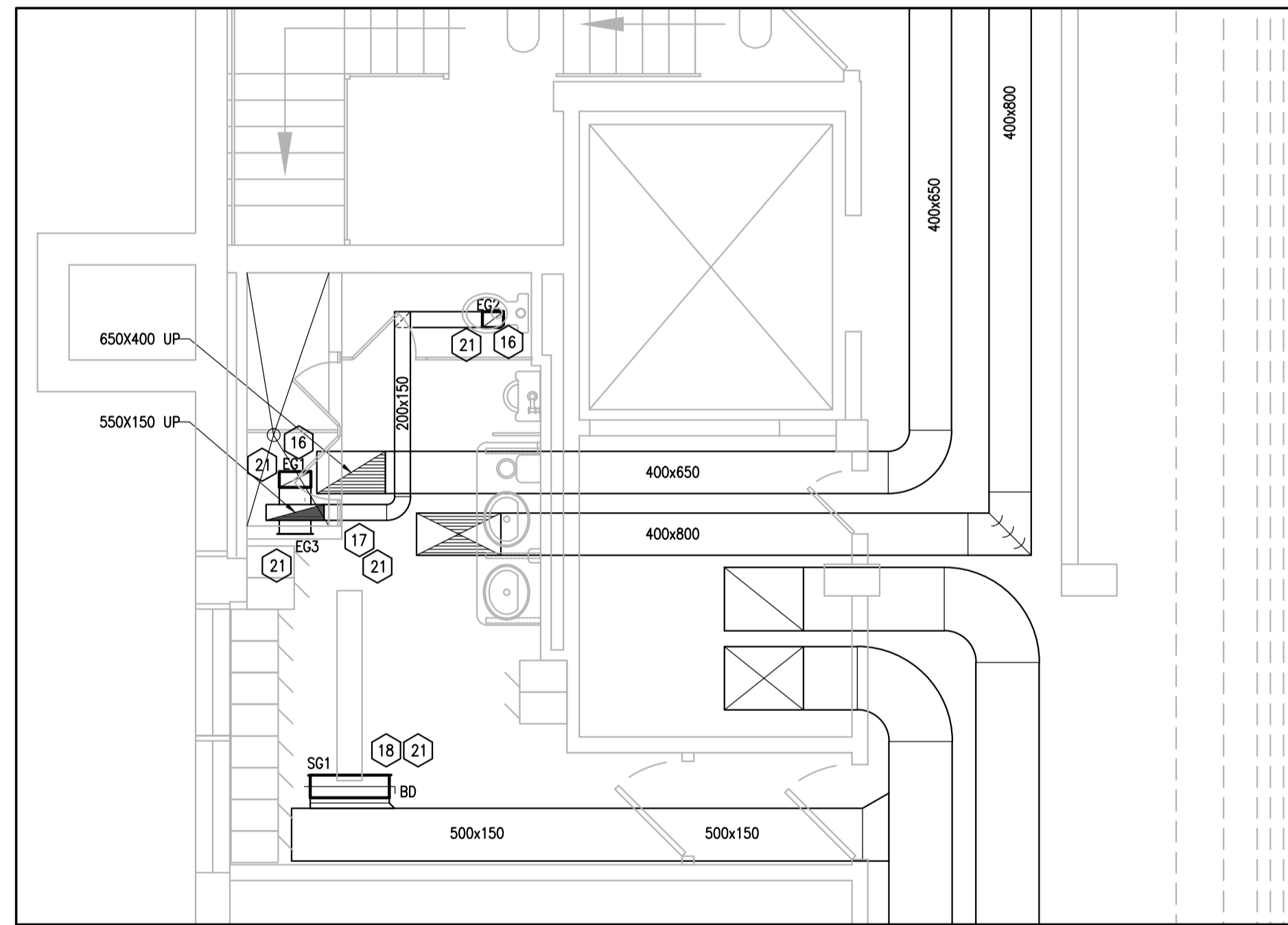
1 PARTIAL BASEMENT PLAN- ROOM 058 PLUMBING- DEMOLITION
 SCALE- 1:50



2 PARTIAL BASEMENT PLAN- ROOM 058 PLUMBING- NEW WORK
 SCALE- 1:50



3 PARTIAL BASEMENT PLAN- ROOM 058 HVAC- DEMOLITION
 SCALE- 1:50



4 PARTIAL BASEMENT PLAN- ROOM 058 HVAC- NEW WORK
 SCALE- 1:50

DIFFUSER AND GRILLE SCHEDULE					
TAG	TYPE	SIZE (MM X MM)	INLET	AIR FLOW	REMARKS
EG1	EGG-CRATE	300X150	300X150	112 L/S	NEW
EG2	EGG-CRATE	200X150	200X150	56 L/S	NEW
EG3	SINGLE DEFLECT.	N/A	N/A	112 L/S	EXISTING
SG1	DOUBLE DEFLECT.	750X150	750X150	235 L/S	NEW

NOTES:

- ALL NEW SUPPLY AND RETURN GRILLES SHALL BE CONSTRUCTED OF ALUMINUM C/W BRUSHED ALUMINUM FINISH.
- EG1 AND EG2 ARE BASED ON EH PRICE MODEL 800 C/W BALANCING DAMPER.
- SG1 BASED ON EH PRICE MODEL 820 C/W BALANCING DAMPER.
- LOCATIONS TO BE CONFIRMED ON SITE WITH NRC REPRESENTATIVE.

EXHAUST FAN SCHEDULE											
No.	LOCATION	DRIVE TYPE	FAN TYPE	L/S	S.P. (Pa.)	FAN RPM	SONES	VOLTAGE	AMPS	HORSE POWER	REMARKS
20XAF04	ROOM 302	BELT	CENTRIFUGAL	2162	374	1308	---	575/3/60	---	3	EXISTING WASHROOM FAN

NOTE:

- FAN 20XAF04 IS A CANADIAN BLOWER MODEL BL 400 SERIES WITH A 3HP MOTOR- CONTRACTOR TO CLEAN AND SERVICE FAN BELT AND BEARINGS AFTER COMPLETION OF WASHROOM RENOVATION.

