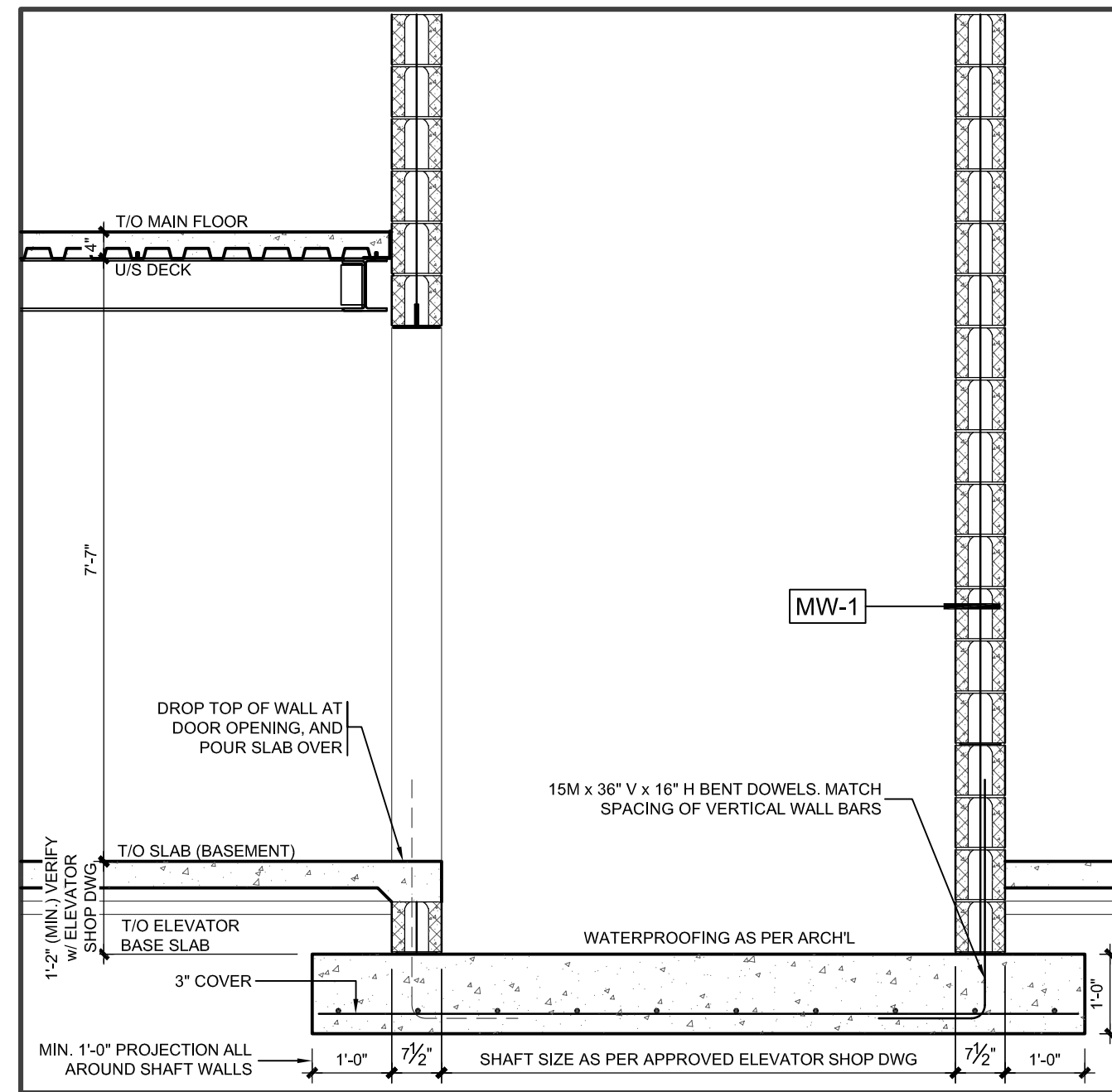
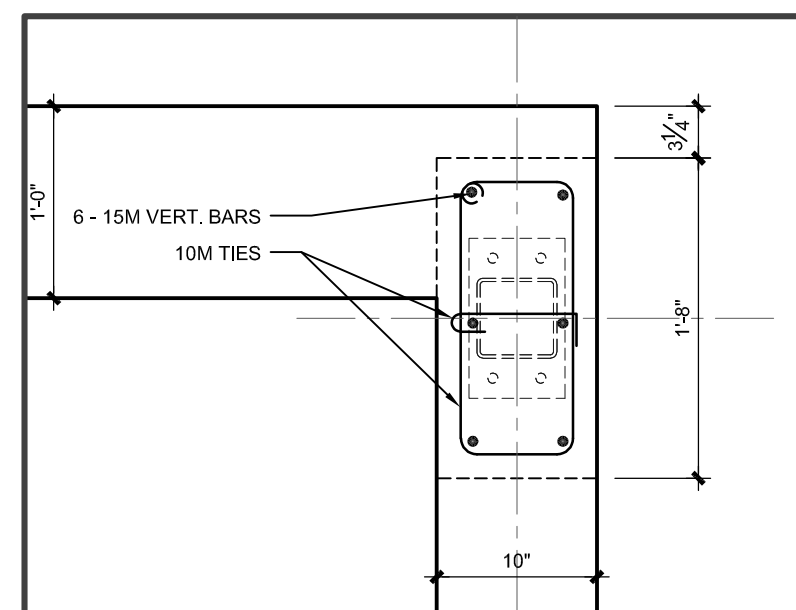


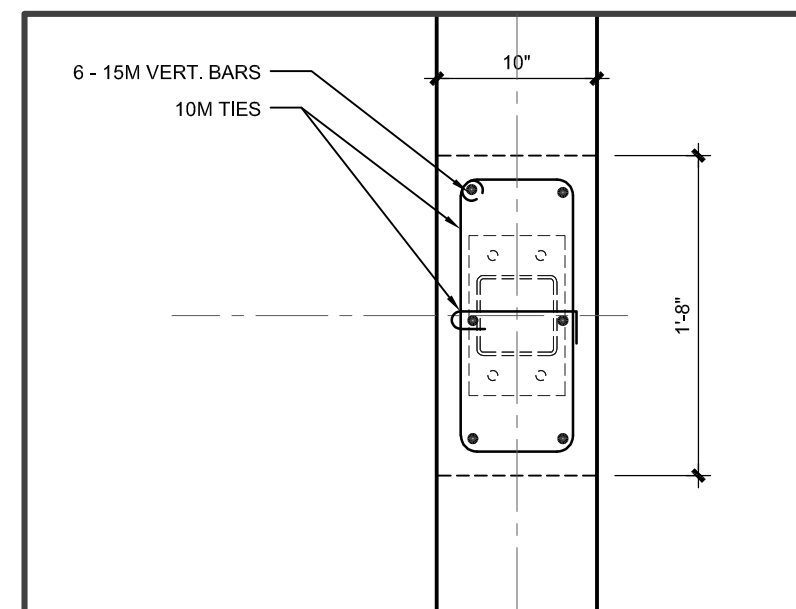
SECTION - FOUNDATION WALL AT STAIR OPENING (GRID 5)
SCALE: 1/2" = 1'-0"



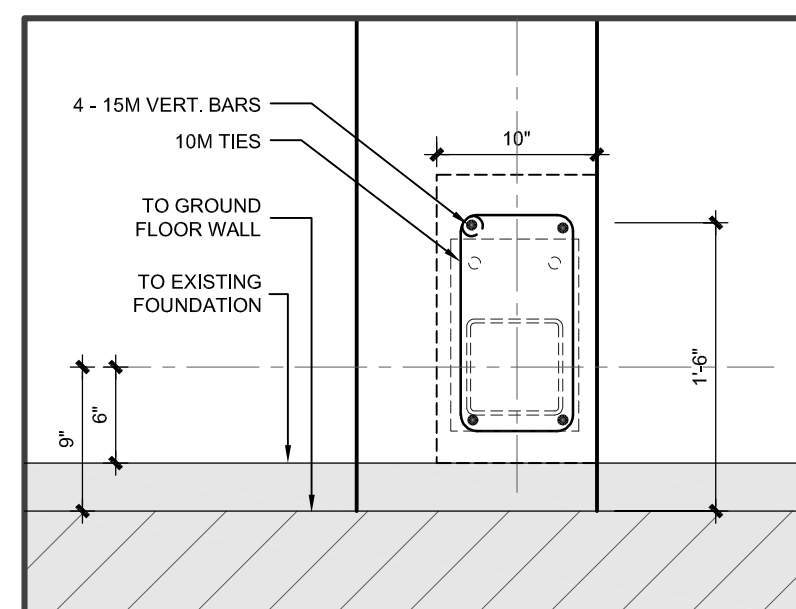
SECTION - THROUGH LIFT PIT
SCALE: 1/2" = 1'-0"



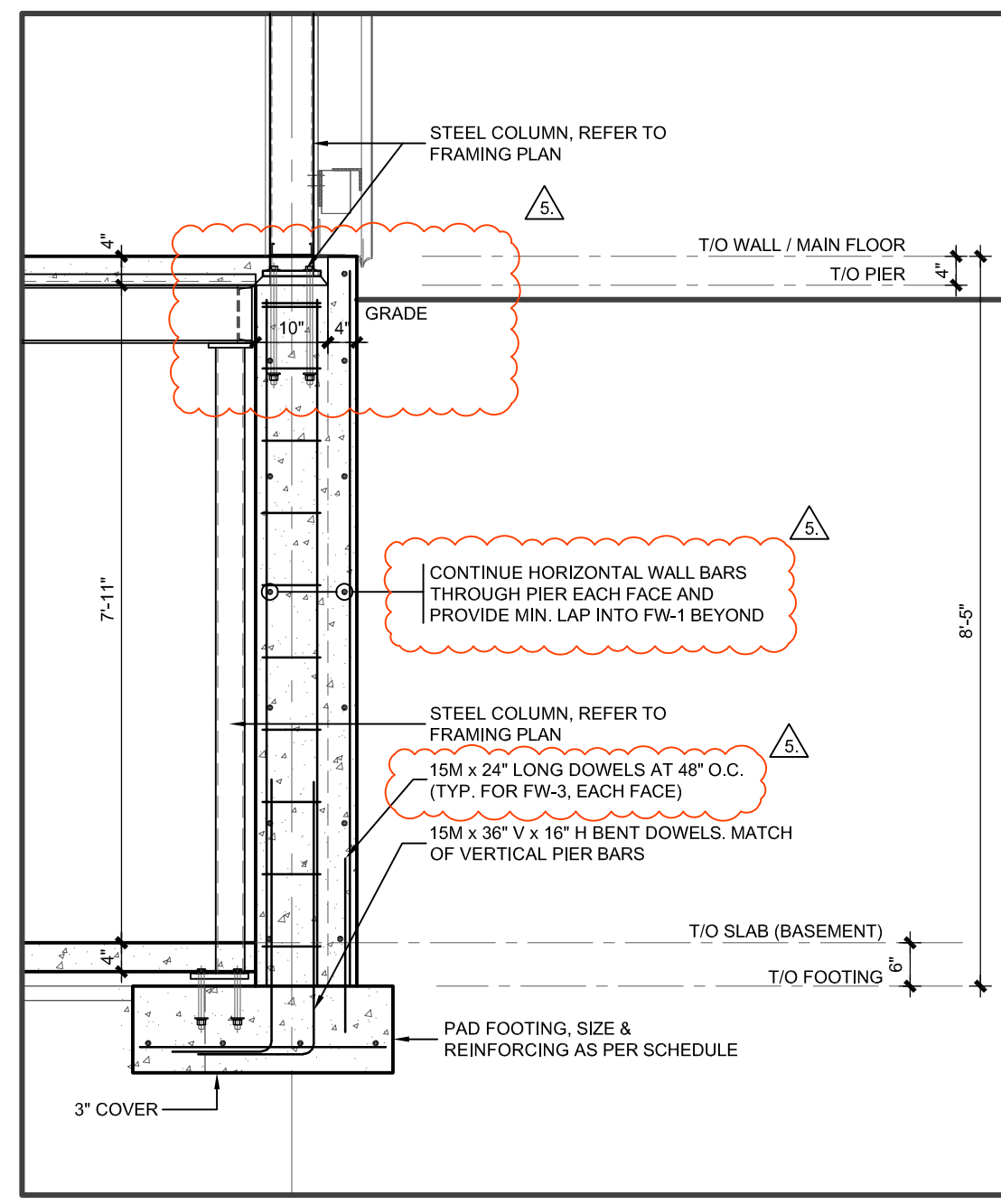
P1 PIER AT CORNER
SCALE: 1" = 1'-0"



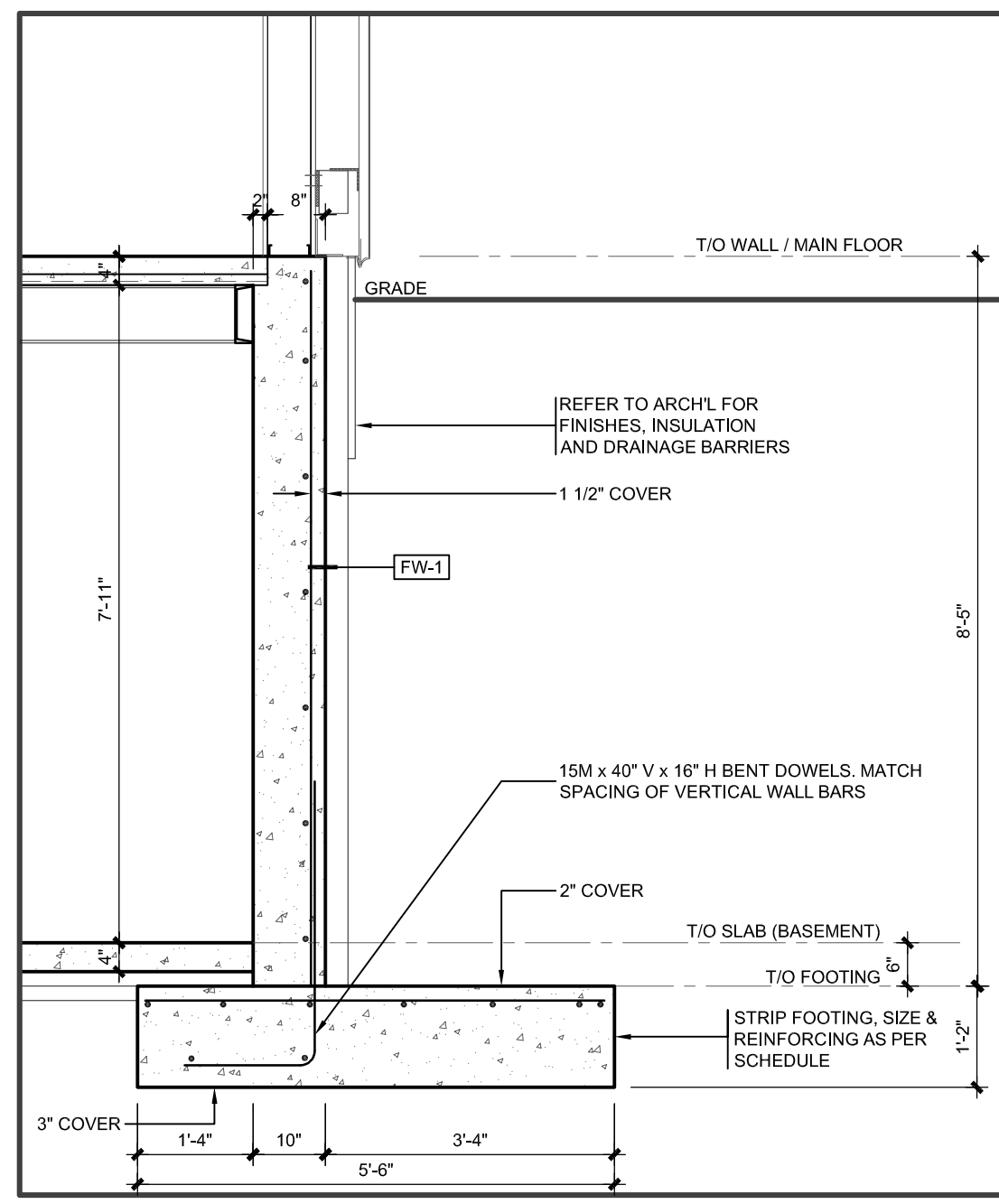
P1 PIER ALONG WALL
SCALE: 1" = 1'-0"



P2 PIER AT EXISTING
SCALE: 1" = 1'-0"



SECTION - PIER AT COLUMN
SCALE: 1/2" = 1'-0"



SECTION - TYPICAL FOUNDATION WALL
SCALE: 1/2" = 1'-0"

STRUCTURAL WALL SCHEDULE		
MARK	SIZE	REINFORCING
MW-1	8\" CONCRETE BLOCK	15M VERTICAL AT 8\" O.C. 9 GA. LADDER TYPE JOINT REINFORCING AT 24\" O.C. (EVERY THIRD COURSE)
		GROUT ALL CORES SOLID

NOTES:
1. TIE BASE OF WALL TO FOOTING / FOUNDATION WALL CAST-IN DOWELS AS PER DETAIL 3S1.1

PIER SCHEDULE		
MARK	SIZE	REINFORCING
P1	10\" x 20\" IN WALL	6 - 15M VERTICAL BARS 10M TIES @ 10\" O.C. DOUBLE TOP TIE
P2	10\" x 12\" IN WALL	6 - 15M x 16\"H x 30\"V DOWELS 10M TIES @ 10\" O.C. DOUBLE TOP TIE

NOTES:
1. PROVIDE 1 1/2\" CONCRETE COVER TO REINFORCING STEEL.

PAD FOOTING SCHEDULE		
MARK	SIZE	REINFORCING
F1	2'-0\" x 3'-0\" x 12\" THICK	UNREINFORCED
F2	3'-0\" x 3'-0\" x 12\" THICK	4 - 10M EACH WAY

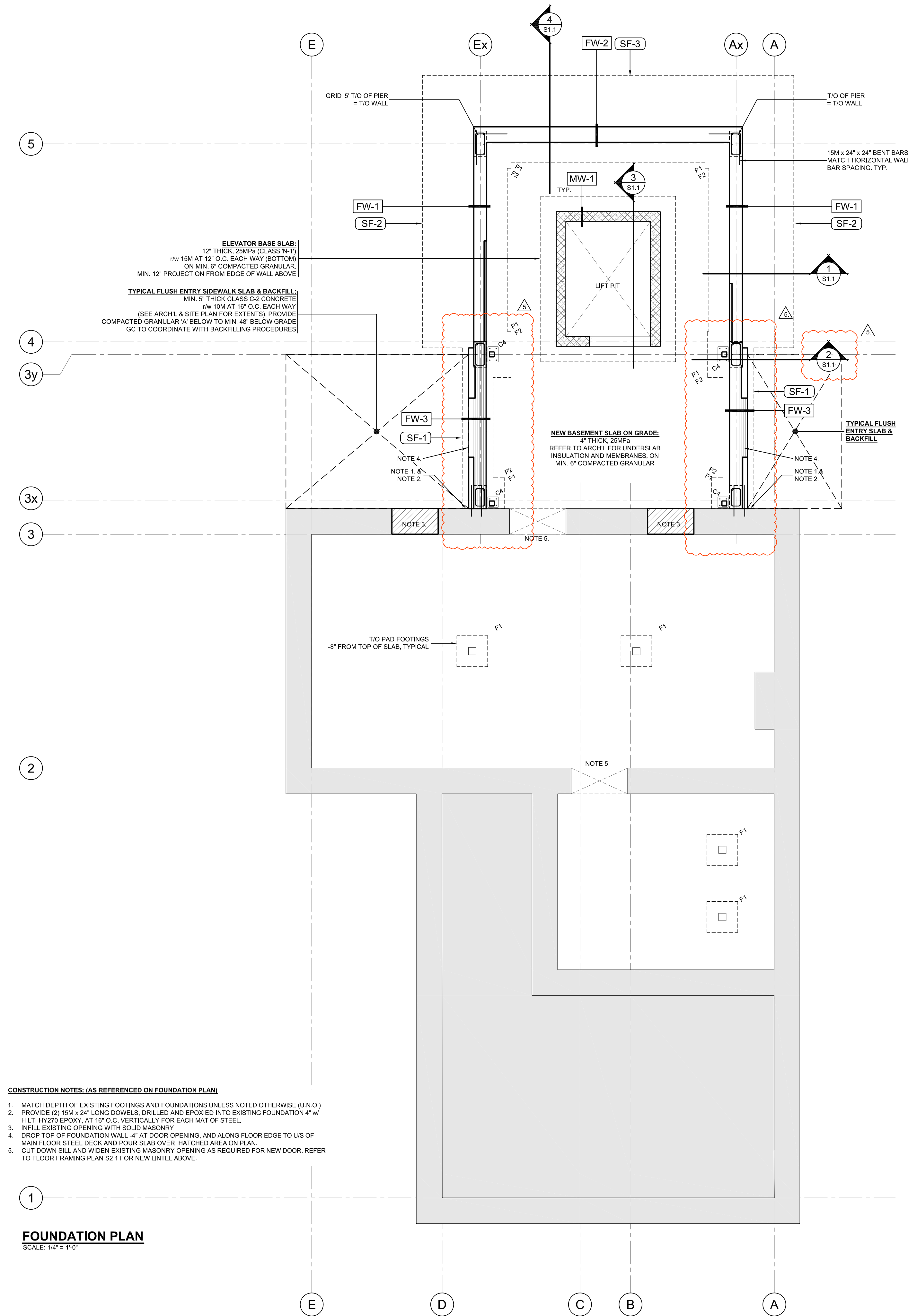
NOTES:
1. PROVIDE 3\" CONCRETE COVER TO U/S OF REINFORCING STEEL PLACED AGAINST SOIL, U.N.O.
2. REFER TO PIER SCHEDULE FOR DOWEL REQUIREMENTS FROM PIER ABOVE.
3. FOOTINGS TO BE FOUNDED ON SOILS WITH A MIN. 144 kPa (3000 psf) BEARING CAPACITY, TO BE VERIFIED BY A GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION.

STRIP FOOTING SCHEDULE		
MARK	SIZE	REINFORCING
SF-1	24\" WIDE x 12\" THICK	2 - 15M CONTINUOUS
SF-2	66\" WIDE x 14\" THICK (66\" WIDE AT GRID 5)	10 - 15M CONTINUOUS (7 TOP x 3 BOT) 15M TRANSVERSE AT 12\" O.C.

NOTES:
1. PROVIDE 3\" CONCRETE COVER TO U/S OF REINFORCING STEEL PLACED AGAINST SOIL, U.N.O.
2. REFER TO WALL SCHEDULE FOR DOWEL REQUIREMENTS FROM WALL ABOVE.
3. FOOTINGS TO BE FOUNDED ON SOILS WITH A MIN. 144 kPa (3000 psf) BEARING CAPACITY, TO BE VERIFIED BY A GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION.

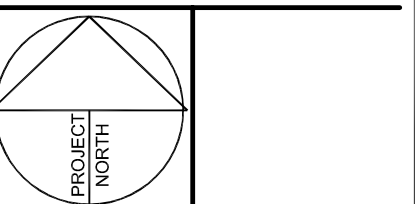
FOUNDATION WALL SCHEDULE		
MARK	WALL TYPE	REINFORCING
FW-1	10\" CONCRETE RETAINING WALL	15M AT 12\" O.C. VERTICAL 15M AT 16\" O.C. HORIZ. 15M x 40\" V x 16\" H BENT DOWELS AT 12\" O.C.
FW-2	12\" CONCRETE RETAINING WALL	15M AT 12\" O.C. VERTICAL 15M AT 16\" O.C. HORIZ. TYP. EACH FACE, (2 MATS) 3\" COVER TO O/S FACE STEEL 15M x 40\" V x 16\" H BENT DOWELS AT 12\" O.C. (O/S FACE, SEE SECTION)
FW-3	14\" CONCRETE	15M AT 16\" O.C. EACH WAY EACH FACE

NOTES:
1. TIE ALL STRIP FOOTINGS TO WALL W/ 15M x 24\" LONG DOWELS AT 4'-0\" O.C., U.N.O.



FOUNDATION PLAN
SCALE: 1/4\" = 1'-0"

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No.	Date	Issued for / Revision
1.	APRIL 26 2023	100% DD REVIEW
2.	MAY 26 2023	50% CONTRACT DOCUMENTS
3.	JULY 11 2023	REVIEW SET
4.	AUG 8 2023	PERMIT & TENDER
5.	OCT 3 2023	STRUCTURAL TENDER ADDENDUM No. 1

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Stevens Burgess Architects Ltd.

204 - 120 CARLTON ST. TORONTO, ON

**SPADINA MUSEUM
GARAGE
REHABILITATION**
285 SPADINA ROAD TORONTO, ON

**FOUNDATION
PLAN**

Project No: TE-41243-22
Drawn By: J.D.H.

S1.1



MAT 4SITE ENGINEERS LTD.

620 WILSON AVENUE, SUITE 320, TORONTO, ON M3K 1Z3
Phone: 416-229-6574 Fax: 416-229-4105

MECHANICAL TENDER ADDENDUM M-01

October 3, 2023

PROJECT: Spadina Museum Garage Rehabilitation and Site Accessibility
LOCATION: 285 Spadina Road, Toronto, ON M5R 2V5
Client Project #: A22048
M4S Project #: 22626

Regarding the above project Issued for Tender on August 4, 2023, please make the following changes:

MECHANICAL:

- Revise the following drawings as indicated. Refer to the respective drawing for more details.

M-101: SCHEDULES

- Plumbing fixture pipe sizes schedule removed.
- Plumbing fixture schedule added as shown.

M-202: GROUND FLOOR PLUMBING – DEMOLITION AND MODIFICATION

- Relocation of eye wash station (EW-1).
- Revision of sanitary piping layout above grade.

M-203: SECOND FLOOR PLUMBING – DEMOLITION AND MODIFICATION

- Reconfiguration of 2nd floor washroom layout and domestic water piping.

M-300: BASEMENT – HVAC – DEMOLITION AND MODIFICATION

- Revision to the ERV and dryer duct layout.
- Revision to the condensate piping routing.
- Revision to the baseboard heater and thermostat locations.

M-301: GROUND FLOOR – HVAC – DEMOLITION AND MODIFICATION

- Reconfiguration of the ERV and fan coil unit duct layout.
- Revision to the baseboard heater and thermostat locations.

M-302: SECOND FLOOR – HVAC – DEMOLITION AND MODIFICATION

- Revision to the baseboard heater and thermostat locations.

M-303: ATTIC – HVAC – MODIFICATION & BASEMENT MECHANICAL ROOM

- Revision of mechanical room layout.

M-800: SCHEMATICS

- Revision of the boiler schematic.

M-1000: DETAILS

- Revision of the cast iron radiator detail.

Sincerely,

A handwritten signature in black ink, appearing to read 'Samir Naik', is written over a light blue horizontal line.

Samir Naik
MAT 4Site Engineers Ltd.

EXHAUST FAN SCHEDULE												
TAG	LOCATION	MANUFACTURER	MODEL	QTY	WEIGHT (lbs)	FAN PERFORMANCE		DIMENSION W X H X D (in)	MOTOR			REMARKS
						FLOW (CFM)	ESP (in.W.C.)		RPM	WATTS	VOLTAGE (V/ø/Hz)	
DB-1	BASEMENT	CONTINENTAL FAN	DVK100B	1	8	140	0.2	9.5"Ø"8.3"	2620	83.4	115/1/60	TO BE INTERLOCKED WITH DRYER OPERATION VIA CURRENT SENSOR (120 VAC) AND LINT TRAP UPSTREAM OF THE BOOSTER FAN.

ELECTRIC DUCT HEATER SCHEDULE								
TAG	LOCATION	EQUIPMENT PAIRING	MODEL	CAPACITY (kW)	DIMENSION W X H X D (in)	ELECTRICAL (V/ø/Hz)	NOTES	
EDH-1	ATTIC SPACE	ERV-1	IDHE	0.5	-	208/1/60	- 1,2,3	
EDH-2	ATTIC SPACE	ERV-1	IDHE	2.3	-	208/1/60	- 1,2,4	
EDH-3	BASEMENT	ERV-2	IDHE	1.2	-	208/1/60	- 1,2,4	
EDH-4	BASEMENT	ERV-2	IDHE	0.4	-	208/1/60	- 1,2,4	
EDH-5	GROUND FLOOR	ERV-3	IDHE	0.35	-	208/1/60	- 1,2,4	
EDH-6	GROUND FLOOR	ERV-3	IDHE	2.1	-	208/1/60	- 1,2,4	
REFERENCE NOTES: 1. COMPLETE WITH CONTROL WIRING AND INTERLOCK WITH THERMOSTAT. 2. SLIP IN HEATER C/W AIRFLOW SWITCH WIRED TO DISABLE ON NO AIR FLOW. 3. PRE-HEAT COIL, TO HAVE SEPARATE ELECTRICAL CONNECTION								

BASEBOARD HEATER SCHEDULE							
TAG	LOCATION	MODEL	CAPACITY (kW)	DIMENSION L X W X H (in)	VOLTAGE (V)	WEIGHT (lbs)	NOTES
BBH-1	SEE LAYOUT	ALUX309078	1	47-1/4 X 2-1/32 X 4-17/32	120	14	-1,2,3,4
BBH-2	SEE LAYOUT	ALUX306058	0.5	23-5/8 X 2-1/32 X 4-17/32	120	9	-1,2,3,4
BBH-3	SEE LAYOUT	ALUX312108	0.75	35-7/16 X 2-1/32 X 4-17/32	120	17	-1,2,3,4
BBH-4	ATTIC	STELPRO BRAVA 1508	1.5	66-1/4 X 2-9/16 X 5-7/8	208	16	-1,3,4,5
REFERENCE NOTES: 1. SELECTION BASED ON MANUFACTURER; 2. COMPLETE WITH WALL-MOUNT THERMOSTAT; 3. POWER REQUIREMENTS TO BE CONFIRMED WITH ELECTRICAL TRADE; 4. REFER TO ARCHITECTURAL DRAWINGS FOR COLOUR. 5. COMPLETE WITH EQUIPMENT MOUNTED THERMOSTAT							

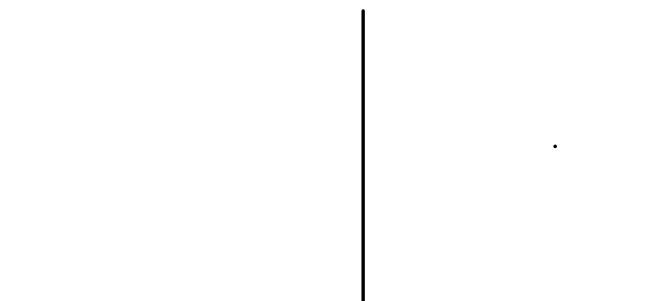
DIFFUSER, GRILLE, REGISTER AND LOUVRE SCHEDULE							
TAG	MANUFACTURER	MODEL	SERVICE	MOUNTING	COLOUR	NOTES	
S1	E.H. PRICE	520	S/A	SEE LAYOUT	MATCH PAINTED WALL COLOUR	LOUVERED S/A GRILLE, DOUBLE DEFLECTION, 0° DEFLECTION, STEEL CONST. CORE BARS PARALLEL TO LONG DIM. POWDER COAT FIN.	
S2	E.H. PRICE	SPD	S/A	DRYWALL	MATCH PAINTED WALL COLOUR	12"x12" SQUARE PLAQUE DIFFUSER.	
S3	E.H. PRICE	520	S/A	SEE LAYOUT	MATCH PAINTED WALL COLOUR	LOUVERED S/A GRILLE, DOUBLE DEFLECTION, 45° DEFLECTION, STEEL CONST. CORE BARS PARALLEL TO LONG DIM. POWDER COAT FIN.	
R1	E.H. PRICE	530	R/A	DRYWALL	MATCH PAINTED WALL COLOUR	LOUVERED R/A GRILLE, DOUBLE DEFLECTION, 45° DEFLECTION, 3/4" SPACING, STEEL CONST. CORE BARS PARALLEL TO LONG DIM. POWDER COAT FIN.	
L1	REFER TO ARCH. DRAWINGS	-	-	EXTERIOR WALL	REFER TO ARCH. DRAWINGS	TO BE COMPATIBLE WITH ARCHITECTURAL WALL SYSTEM.	

TAG	FIXTURE	SPECIFICATION	PIPE CONNECTION		
			DCW	DHW	DRAIN
WC-1, WC-2, WC-3	AMERICAN STANDARD - CADET PRO FLOOR MOUNTED WATER CLOSET: 215AA154.020 SEAT: CENTOCO: 820STSFE-001	TANK TYPE TOILET, FLOOR MOUNTED WITH FLOOR OUTLET, HIGH EFFICIENCY HET 4.8 LPF (1.28 GPF), WHITE FINISH VITREOUS CHINA, EVERCLEAN® ANTIMICROBIAL SURFACE, ELONGATED BOWL, RIGHT HEIGHT® RIM AT 419 MM (16-1/2"), MINIMUM 305 MM (12") ROUGH-IN FROM WALL TO THE CENTER OF WASTE OUTLET, SIPHON JET FLUSH ACTION, MANUAL, POLISHED CHROME LEFT-HAND TRIP LEVER (7381231-200.0020A), TANK WITH AQUAGUARD LINER, WITHOUT TANK COVER LOCKING DEVICE, GRAVITY-ASSISTED FLUSH, CADET® FLUSHING SYSTEM, 76 MM (3") FLUSH VALVE, METAL SHANK FILL VALVE, TANK COUPLING COMPONENTS, FULLY-GLAZED 54 MM (2-1/8") TRAPWAY, POWERWASH™ RIM SCRUBS BOWL WITH PRESSURIZED WATER EVERY FLUSH, INCLUDES EZ-INSTALL TOOLS, TRADE EXCLUSIVE TANK, TOILET SEAT NOT INCLUDED, COLOUR-MATCHED BOLT CAPS, CONSISTING OF: 3517A101 BOWL, 4188A154 TANK COMPLETE WITH AQUAGUARD LINER TANK, OVERALL DIMENSIONS: 441 MM (17-3/8") WIDE, 765 MM (30-1/8") FROM FINISHED WALL, 772 MM (30-3/8") HIGH, WATER SURFACE: 229 X 203 MM (9" X 8") WATER SURFACE AREA,MAP SCORE: >=1000 MAP® FLUSH SCORE COMPLIANCES: ASME A112.19.2 COMPLIANT, CSA B45.1 COMPLIANT, EPA WATERSENSE® COMPLIANT.	Ø1 1/2"	-	Ø3"
LAV-1, LAV-3	BASIN: AMERICAN STANDARD - MURRO UNIVERSAL DESIGN WALL HUNG LAVATORY: 0059.02DEC NO FAUCET HOLES FAUCET: SLOAN EFX-300 HARD WIRED BASYS	WALL-HUNG LAVATORY, VITREOUS CHINA, WHITE FINISH, ADA COMPLIANT, SINGLE HOLE CENTERSET, REAR OVERFLOW, WITH FAUCET LEDGE, MOUNTING KIT SUPPLIED, OVERALL DIMENSIONS: 622 MM (24-1/2") LONG, 508 MM (20") WIDE, 203 MM (8") HIGHBOWL DIMENSIONS: 508 MM (20") LONG, 305 MM (12") WIDE, 152 MM (6") DEEP. SLOAN BASYS MODEL NO. EFX-300-4-PLG-BDT-CP-0.5GPM-MLMCAP-BAA-FCT CAPACITANCE SENSOR ACTIVATED ELECTRONIC HANDWASHING FAUCET FOR PRE-TEMPERED OR HOT/COLD WATER SUPPLIES. SOLENOID VALVE HOUSED IN REMOVABLE CARRIER THAT CLOSSES WATER SUPPLY UPON REMOVAL, ELIMINATING NEED TO ACCESS CONTROL STOPS. SOLENOID CARRIER INCLUDES MESH FILTER FOR EASY ACCESS AND SERVICE WITHOUT DISCONNECTING THE SUPPLY LINES. THERMOSTATIC MIXER ORDERED SEPARATELY TO COMPLY WITH ASSE 1070 REQUIREMENTS. THE PRODUCT SHALL BE TESTED AND CERTIFIED TO INDUSTRY STANDARDS: ASME A112.18.1M, CSAB125.1, CALIFORNIA HEALTH AND SAFETY CODE 116875 (AB1953-2006), AND VERMONT BILL S.152. THIS PRODUCT MEETS ADA ANSI/ICC A117.1REQUIREMENTS.	Ø1/2"	Ø1/2"	Ø1 1/2"
LAV-2	EXISTING LAVATORY AND FAUCET.	THE EXISTING LAVATORY AND FAUCET ARE TO BE REUSED AS SHOWN.	Ø1/2"	Ø1/2"	Ø1 1/2"
KS-1	SINK: DOUBLE COMPARTMENT, COUNTER MOUNTED, BLANCO KIN 33 1 3/4 LOW DIVIDE SILGRANT FAUCET: AMERICAN STANDARD BEALE 4931.380	COLOUR TO BE COORDINATED WITH ARCHITECT. MIN CABINET SIZE: 36", SINK BOWL 1 LENGTH (LEFT-TO-RIGHT): 16.31", SINK BOWL 1 WIDTH (FRONT-TO-BACK): 15.31", BOWL DEPTH: 9.25", SINK BOWL 2 LENGTH (LEFT-TO-RIGHT): 12", SINK BOWL 2 WIDTH (FRONT-TO-BACK): 15.31". SINK BOWL 2 DEPTH: 9.25", APRON FRONT HEIGHT: 10" RIM THICKNESS: 1.5", 3 1/2" (90 MM) STAINLESS STEEL STRAINER(S), CABINET TEMPLATE, CUSTOM CABINET INSTALLATION REQUIRED. BEALE PULL-DOWN KITCHEN FAUCET WITH SELECTRONIC HANDS-FREE TECHNOLOGY WITH SLIDING DOORS, A HIGH ARC BRASS SWIVEL SPOUT WITH PULL-DOWN TWO-FUNCTION SPRAY, AND METAL LEVER HANDLE. SHALL ALSO FEATURE 35 MM WASHERLESS CERAMIC DISC VALVE CARTRIDGE AND FLEXIBLE STAINLESS STEEL SUPPLY HOSES. SHIPS WITH 4X AA ALKALINE BATTERIES WITH OPTIONAL AC ADAPTER AVAILABLE FOR SEPARATE PURCHASE.	Ø1/2"	Ø1/2"	Ø1 1/2"
KS-2	EXISTING GROUND FLOOR KITCHEN AND FAUCET RELOCATED.	EXISTING GROUND FLOOR KITCHEN SINK AND FAUCET RELOCATED AS SHOWN. TO BE COMPLETE WITH EYE WASH STATION-2.	Ø1/2"	Ø1/2"	Ø1 1/2"
SK-1	EXISTING SINK AND FAUCET RELOCATED.	EXISTING LAUNDRY SINK AND FAUCET TO BE RELOCATED AS SHOWN. TO BE COMPLETE WITH NEW EYEWASH STATION-3.	Ø1/2"	Ø1/2"	Ø1 1/2"
SK-2	SINK: SINGLE COMPARTMENT, STAINLESS STEEL BACK SPLASH, KINDRED COMMERCIAL- WSS6713 FAUCET: CHICAGO FAUCETS 631-GNFC-KKABCP	MADE OF 304 (CNS18/10) STAINLESS STEEL, EXPOSED SURFACES ARE #4 SATIN FINISHED RADIUS COVED BOWL CORNERS, MATERIAL CODE OF 1.4301 CHROME NICKEL STEEL V2A, WALL MOUNT FAUCET WITH INSIGHT TECHNOLOGY, VANDAL RESISTANT FAUCETOR, 9" SPOUT REACH, LESS DRAIN, BRASS, VALVE KIT FACTORY SET TO 30 SECOND MAXIMUM CONTINUAL RUN CYCLE, SINGLE HOLE SPOUT MOUNTING, REQUIRED TO HAVE EITHER K-11830, OR K-11843 WALL MOUNT VALVE OR TOUCHLESS FAUCETS, FLOW RATE TO BE 0.5 GAL/MIN AND PRESSURE AT 60 PSI.	Ø1/2"	Ø1/2"	Ø1 1/2"
DW-1	STERO SUH-1: HOT WATER SANITIZING UNDER COUNTER DISHWASHER	FINAL SELECTION TO BE COORDINATED WITH ENGINEER AND OWNER. DISHWASHER TO USE 0.78 GALLONS OF WATER PER RACK AND CAN CLEAN UP TO 31 RACKS IN AN HOUR, CYCLE TIME IS 116 SECONDS. THIS UNIT FEATURES CLEAR CONTROLS AND A DIGITAL DISPLAY THAT MAKE IT EASY TO SET AND MONITOR THE DISHWASHING PROGRESS.	-	Ø3/4"	Ø1 1/2"
EW-1, EW-2	DECK MOUNTED EYE WASH STATION: GUARDIAN G1805LH-G6020-DC-T-VB-TP MIXING VALVE: LAWLER 911E UNIT 84908	EYE WASH, DECK MOUNTED, POLISHED CHROME-PLATED BRASS, 111 MM (4-3/8") HIGH, TWO SPRAY HEADS WITH A FLIP-TOP DUST COVER, INTERNAL FLOW CONTROL AND FILTER ON EACH SPRAY HEAD, 13 MM (1/2") NPT FEMALE INLET, 13 MM (1/2") IPS PLUG-TYPE VALVE WITH PTFE COATED O-RING SEALS. COMPLETE WITH EMERGENCY MIXING VALVE, THERMOSTATIC HIGH-LOW MASTER WATER MIXING VALVE, ROUGH BRONZE FINISH, 229 X 205 X 127 MM (9" X 8" X 5"), TEMPERATURE ADJUSTMENT SHALL BE VANDAL-RESISTANT, 229 X 205 X 127 MM (9" X 8" X 5"), 7.5 LPM (2 GPM) TEMPERED FLOWRATE @ 5 PSI PRESSURE DROP, 11 LPM (3 GPM) TEMPERED FLOWRATE @10 PSI PRESSURE DROP, 18 LPM (5 GPM) TEMPERED FLOWRATE @ 20 PSI PRESSURE DROP, 26 LPM (7 GPM) TEMPERED FLOWRATE @ 20 PSI PRESSURE DROP, IN THE EVENT THAT THE LIQUID MOTOR FAILS, THE CONTROL MECHANISM CLOSSES OFF THE HOT WATER PORT WITH THE REVERSE SEAT AND FULLY OPENS THE INTERNAL VARIABLE BYPASS TO ALLOW COLD WATER FLOW, THE CONTROL MECHANISM SHALL EMPLOY A LIQUID-FILLED THERMOSTATIC MOTOR TO DRIVE THE VALVE WITHOUT ADDITIONAL POWER REQUIREMENTS. THE CONTROL MECHANISM SHALL EMPLOY A STAINLESS STEEL SLIDING PISTON CONTROL DEVICE WITH REVERSE SEAT CLOSURE AND BOTH FIXED AND VARIABLE COLD WATER BYPASS, THE CONTROL MECHANISM SHALL EMPLOY A LIQUID-FILLED THERMOSTATIC MOTOR TO DRIVE THE VALVE WITHOUT ADDITIONAL POWER REQUIREMENTS. THE CONTROL MECHANISM SHALL EMPLOY A STAINLESS STEEL SLIDING PISTON CONTROL DEVICE WITH REVERSE SEAT CLOSURE AND BOTH FIXED AND VARIABLE COLD WATER BYPASS, 32 MM (1-1/4") NPT INLET, 32 MM (1-1/4") NPT INLET, 32 MM (1-1/4") NPT OUTLET, 32 MM (1-1/4") NPT OUTLET, THERMOSTATIC HIGH-LOW MASTER WATER MIXING VALVE, ROUGH BRONZE FINISH, EMERGENCY MIXING VALVE, IN THE EVENT OF INTERRUPTION OF THE COLD WATER SUPPLY, THE CONTROL MECHANISM CLOSSES OFF THE HOT WATER PORT, STOPPING ALL FLOW. POSITIVE HOT WATER SHUT-OFF, LISTED TO ASSE 1071, OUTLET THERMOMETER, OUTLET THERMOMETER, 85 F, 70-90 F, 125 PSI MAX INLET PRESSURE, 125 PSI MAX INLET PRESSURE, 120 F RECOMMENDED INLET TEMPERATURE, 65 PSI RECOMMENDED OPERATING PRESSURE, 65 PSI RECOMMENDED OPERATING PRESSURE, 85 F, 7.5 LPM (2 GPM) TEMPERED FLOWRATE @ 5 PSI PRESSURE DROP, TEMPERATUREADJUSTMENT SHALL BE VANDAL-RESISTANT, 11 LPM (3 GPM) TEMPERED FLOWRATE @10 PSI PRESSURE DROP, 18 LPM (5 GPM) TEMPERED FLOWRATE @ 20 PSI PRESSURE DROP, 26 LPM (7 GPM) TEMPERED FLOWRATE @ 20 PSI PRESSURE DROP, 38 LPM (10 GPM) TEMPERED FLOWRATE @ 40 PSI PRESSURE DROP, 70-90 F.	Ø1/2"	Ø1/2"	-
EW-3	FAUCET MOUNTED EYE WASH STATION: GUARDIAN G1100	OUTLET HEADS: OUTLET HEADS ARE MOUNTED 3" APART AND DELIVER A SOFT, AERATED FLOW OF WATER. HEADS ANGLE FORWARD TOWARD USER. ANGLE OF HEADS IS ADJUSTABLE TO PERMIT FULL COVERAGE AND AVOID SPLASHING. FURNISHED WITH FLOAT-OFF DUST COVERS TO PROTECT OUTLET HEADS. VALVE: FORGED BRASS DIVERTER VALVE. PULL KNOB TO ACTIVATE EYEWASH; WATER PRESSURE HOLDS EYEWASH IN OPERATION, LEAVING USER'S HANDS FREE. PUSH KNOB OR TURN OFF FAUCET TO RETURN TO NORMAL FAUCET OPERATION. INLET: BODY HAS 55/64"-27 FEMALE THREAD. FURNISHED WITH THREE ADAPTORS (15/16"-27, 13/16"-27 AND 3/8" IPS) FOR INSTALLING ON MOST COMMONLY USED FAUCETS, INCLUDING LABORATORY-TYPE FAUCETS.	-	-	-
WSH-1	RESIDENTIAL GRADE	TO BE COORDINATED WITH OWNER AND ARCHITECT.	Ø1/2"	Ø1/2"	Ø2"
FD-1	FLOOR DRAIN	EPOXY COATED CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, REVERSIBLE MEMBRANE CLAMP WITH PRIMARY AND SECONDARY WEEPHOLES, 1/4 IN. (6) THICK 4"Ø ADJUSTABLE NICKEL BRONZE STRAINER, AND NO HUB (STANDARD) OUTLET.	-	-	Ø3"
FFD-1	FUNNEL FLOOR DRAIN	FLOOR DRAIN, TRAP PRIMER TAPPING, OVAL FUNNEL, NO HUB (M) OUTLET, WITH ANCHOR FLANGE, REVERSIBLE CLAMPING COLLAR WITH PRIMARY & SECONDARY WEEPHOLES	-	-	Ø3"
TMV-1	MIXING VALVE, LAWLER, 66-50-83006	BRONZE BODY CONSTRUCTION WITH REPLACEABLE CORROSION-RESISTANT COMPONENTS, THERMOSTATIC MASTER WATER MIXING CONTROL VALVE, 20 MM (3/4") INLET X 25 MM (1") OUTLET, 95 LPM (25 GPM) TEMPERED FLOW RATE @10 PSI PRESSURE DROP, 128 LPM (34 GPM) TEMPERED FLOW RATE @ 20 PSI PRESSURE DROP	-	-	-

DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS. NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF MAT 4SITE ENGINEERS LTD.

6	2023/10/03	ISSUED FOR ADDENDUM #1
5	2023/08/04	ISSUED FOR PERMIT/TENDER
4	2023/07/12	ISSUED FOR 95% REVIEW
3	2023/06/02	ISSUED FOR 50% CD REVIEW
2	2023/04/26	ISSUED FOR 100% DD REVIEW
1	2023/04/10	ISSUED FOR 50% REVIEW

No. Date Action



Orientation Stamp

Project Name and Address:
**SPADINA MUSEUM
GARAGE REHABILITATION AND
SITE ACCESSIBILITY**
285 SPADINA RD,
TORONTO, ON M5R2V5

Drawing title
SCHEDULES

Scale: N.T.S.	Project No. 22626
Designer: S.N.	Date: 2023/01/25
Drawn by: S.N.	Checked by: R.S.
Drawing file: 22626-M	Client Approval

Revision No. 0	Drawing No. M-101
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DEMOLITION GENERAL NOTES:

- THESE GENERAL NOTES APPLY TO ALL DEMOLITION DRAWINGS.
- DISCONNECT EXISTING UNUSED EQUIPMENT FROM POWER SUPPLY AND MAKE SAFE.
- PRIOR TO COMMENCING THE DEMOLITION WORK, EXAMINE SITE CAREFULLY INCLUDING ALL THE ELEMENTS THAT NEED TO BE REMOVED.
- REMOVE ALL ABANDONED PIPES, HANGERS, INSERTS, CONDUITS, DUCTS, AND SERVICES.
- SEAL AND FIRESTOP (IF NECESSARY) ALL AFFECTED AREAS TO MATCH EXISTING.
- CONTRACTOR TO CLEAN ALL DEBRIS AND RUBBISH GENERATED FROM THIS WORK.
- CONTRACTOR TO REPAIR ANY DAMAGE CAUSED BY THIS WORK AND MAKE GOOD TO MATCH EXISTING.
- CONTRACTOR SHALL REPAIR UNUSED FLOOR AND WALL OPENINGS AT ALL PENETRATIONS OF DEMOLISHED WORK. REPAIRS SHALL MATCH EXISTING CONDITION AND FINISHES.
- DRAIN ALL AFFECTED SYSTEMS AS REQUIRED AND REFILL AFTER WORK IS COMPLETE. REFER TO SPECIFICATIONS FOR SPECIFIC PIPE FLUSHING MATERIALS AND PROCEDURES.

DEMOLITION GENERAL NOTES: (CONTINUED)

- ALL EXISTING SYSTEM ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR IS RESPONSIBLE TO SITE VERIFY EXACT LOCATION OF EQUIPMENT AND POINT OF CONNECTION TO EXISTING AS REQUIRED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DISASSEMBLY AND CUTTING OF ALL EQUIPMENT/MATERIAL TO ALLOW FOR REMOVAL FROM SITE.

REFERENCE NOTES:

- EXISTING PLUMBING VENT TO REMAIN AND BE RELOCATED HIGHER AS REQUIRED.
- DEMOLISH AND REMOVED EXISTING PLUMBING FIXTURES AND ASSOCIATED PIPING BACK TO SOURCE. PIPING TO BE CAPPED AT SOURCE AND SANITARY TO BE DEMOLISHED TO GRADE AND CLEAN-OUT IS TO BE PROVIDED.
- EXISTING SINK AND FAUCET TO BE REMOVED AND RELOCATED TO THE 2ND FLOOR KITCHENETTE AS SHOWN.
- EXISTING LAVATORY AND FAUCET TO BE REMOVED AND RE-INSTALLED AS SHOWN.

PLUMBING GENERAL NOTES:

- THESE GENERAL NOTES APPLY TO ALL PLUMBING DRAWINGS.
- CONTRACTOR TO VERIFY ALL LOCATIONS AND PIPE SLOPES ON SITE.
- COORDINATE WITH ALL TRADES FOR NEW PLUMBING FIXTURE AND PIPING INSTALLATION.
- PROVIDE ALL NEW FIXTURES AS INDICATED.
- PROVIDE NEW ISOLATION VALVE AND FLEXIBLE HOSE CONNECTIONS FOR EACH FIXTURE. SIZE TO MATCH FIXTURE.
- ALL DCW, DHW & DRAINAGE PIPING SHALL BE INSULATED AS PER SPECIFICATION.
- ALL PLUMBING VENT PIPING SHALL BE INSIDE WALLS AND INSTALLED IN ACCORDANCE WITH THE OBC PART 7. CONTRACTOR TO VERIFY VENT PIPING ON SITE. PROVIDE ALL MODIFICATION TO EXISTING TO MEET OBC REQUIREMENTS.
- CONTRACTOR SHALL SEAL UNUSED OPENINGS AND REPAIR FLOOR/CEILING TO MATCH EXISTING.

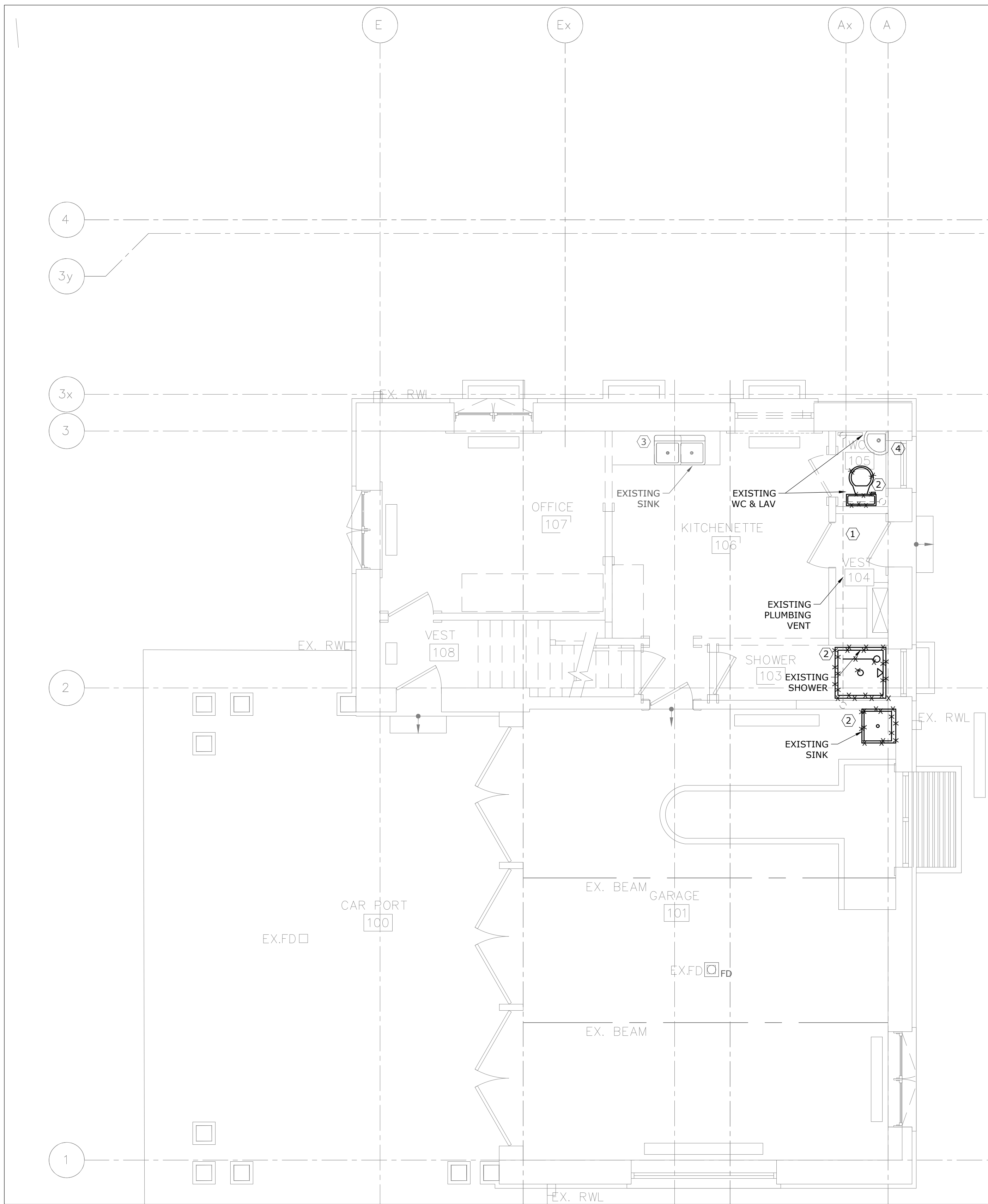
PLUMBING GENERAL NOTES (CONTINUED):

- ALL BELOW GRADE SANITARY PIPING TO BE 4"Ø @ 1% SLOPE, UNLESS INDICATED OTHERWISE.
- ALL PIPES TO BE ENCLOSED IN WALLS OR CEILINGS UNLESS OTHERWISE NOTED.

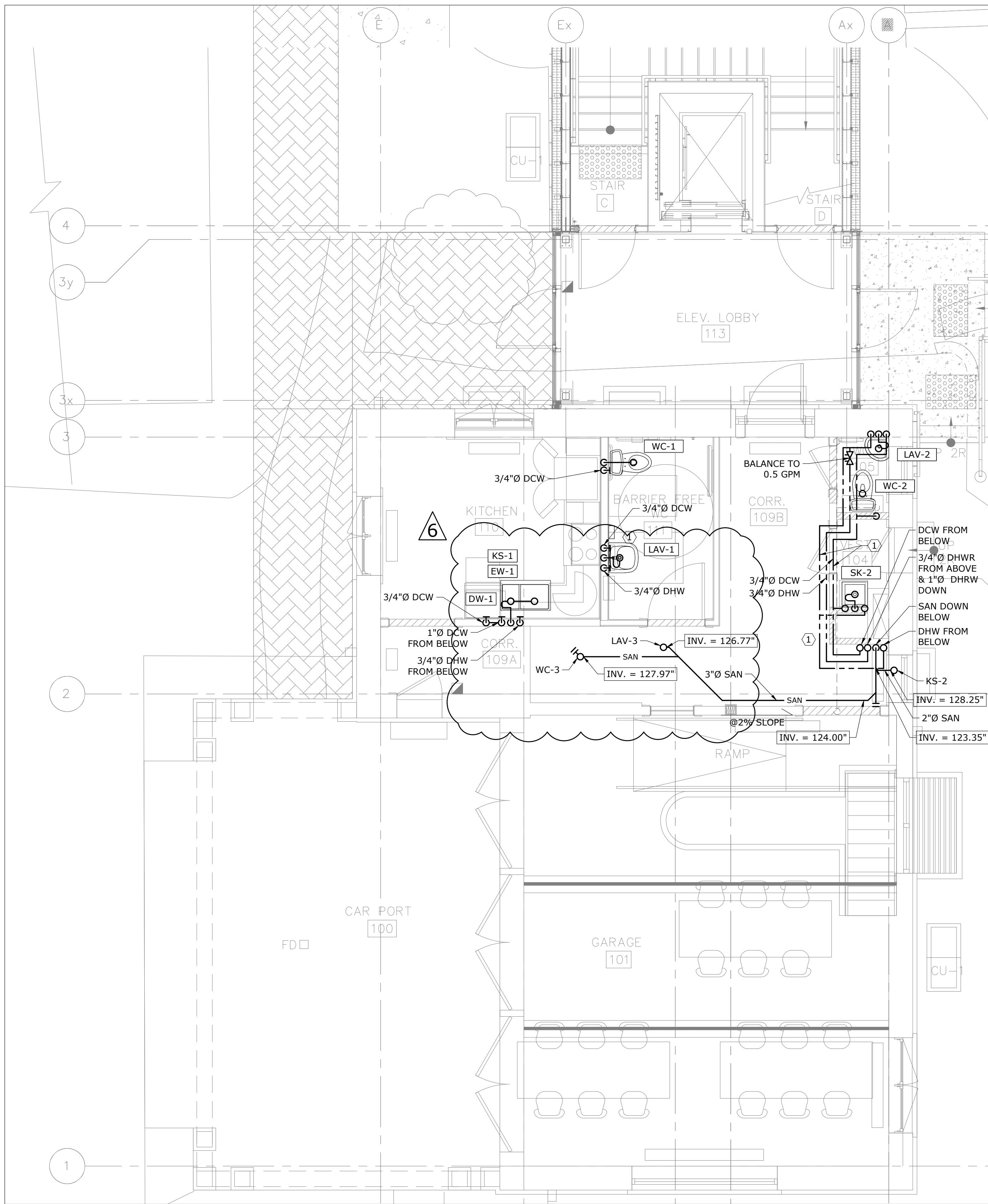
REFERENCE NOTES:

- RUN ALL PLUMBING PIPING WITHIN THE WALL CAVITIES. PIPING SHOWN OUTSIDE FOR CLARITY PURPOSES.

DO NOT SCALE DRAWINGS.
CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS.
NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL.
ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION.
ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF MAT 4SITE ENGINEERS LTD.



1 GROUND FLOOR - PLUMBING - DEMOLITION
SCALE: 1/4" = 1'-0"

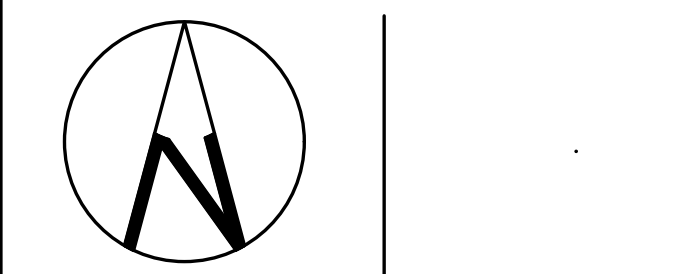


2 GROUND FLOOR - PLUMBING - MODIFICATION
SCALE: 1/4" = 1'-0"

6	2023/10/03	ISSUED FOR ADDENDUM #1
5	2023/08/04	ISSUED FOR PERMIT/TENDER
4	2023/07/12	ISSUED FOR 95% REVIEW
3	2023/06/02	ISSUED FOR 50% CD REVIEW
2	2023/04/26	ISSUED FOR 100% DD REVIEW
1	2023/04/10	ISSUED FOR 50% REVIEW

No.	Date	Action
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MAT 4SITE ENGINEERS LTD.
620 WILSON AVE., SUITE 300, TORONTO, ON M6K 1Z3
PHONE: 416-229-6574 FAX: 416-229-4105



Orientation Stamp

Project Name and Address:
**SPADINA MUSEUM
GARAGE REHABILITATION AND
SITE ACCESSIBILITY**
285 SPADINA RD,
TORONTO, ON M5R2V5

Drawing title
**GROUND FLOOR –
PLUMBING – DEMOLITION
AND MODIFICATION**

Scale: 1/4" = 1'-0"	Project No. 22626
Designer: S.N.	Date: 2023/01/25
Drawn by: S.N.	Checked by: R.S.
Drawing file: 22626-M	Client Approval

Revision No.	Drawing No.
0	M-202

DEMOLITION GENERAL NOTES:

1. THESE GENERAL NOTES APPLY TO ALL DEMOLITION DRAWINGS.
2. DISCONNECT EXISTING UNUSED EQUIPMENT FROM POWER SUPPLY AND MAKE SAFE.
3. PRIOR TO COMMENCING THE DEMOLITION WORK, EXAMINE SITE CAREFULLY INCLUDING ALL THE ELEMENTS THAT NEED TO BE REMOVED.
4. REMOVE ALL ABANDONED PIPES, HANGERS, INSERTS, CONDUITS, DUCTS, AND SERVICES.
5. SEAL AND FIRESTOP (IF NECESSARY) ALL AFFECTED AREAS TO MATCH EXISTING.
6. CONTRACTOR TO CLEAN ALL DEBRIS AND RUBBISH GENERATED FROM THIS WORK.
7. CONTRACTOR TO REPAIR ANY DAMAGE CAUSED BY THIS WORK AND MAKE GOOD TO MATCH EXISTING.
8. CONTRACTOR SHALL REPAIR UNUSED FLOOR AND WALL OPENINGS AT ALL PENETRATIONS OF DEMOLISHED WORK. REPAIRS SHALL MATCH EXISTING CONDITION AND FINISHES.

DEMOLITION GENERAL NOTES: (CONTINUED)

9. DRAIN ALL AFFECTED SYSTEMS AS REQUIRED AND REFILL AFTER WORK IS COMPLETE. REFER TO SPECIFICATIONS FOR SPECIFIC PIPE FLUSHING MATERIALS AND PROCEDURES.
 10. ALL EXISTING SYSTEM ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR IS RESPONSIBLE TO SITE VERIFY EXACT LOCATION OF EQUIPMENT AND POINT OF CONNECTION TO EXISTING AS REQUIRED.
 11. CONTRACTOR SHALL BE RESPONSIBLE FOR DISASSEMBLY AND CUTTING OF ALL EQUIPMENT/MATERIAL TO ALLOW FOR REMOVAL FROM SITE.
- REFERENCE NOTES:
- ① EXISTING KITCHEN SINK TO BE DEMOLISHED AND REMOVED. DCW AND DHW PIPING TO BE DEMOLISHED BACK TO SOURCE AND CAPPED. SANITARY PIPING TO BE DEMOLISHED BACK TO STACK, CLEAN-OUT TO BE PROVIDED.
 - ② EXISTING BATHROOM GROUP TO BE DEMOLISHED AND REMOVED. DCW AND DHW PIPING TO BE DEMOLISHED BACK TO SOURCE AND CAPPED. SANITARY PIPING TO BE DEMOLISHED BACK TO STACK, CLEAN-OUT TO BE PROVIDED.

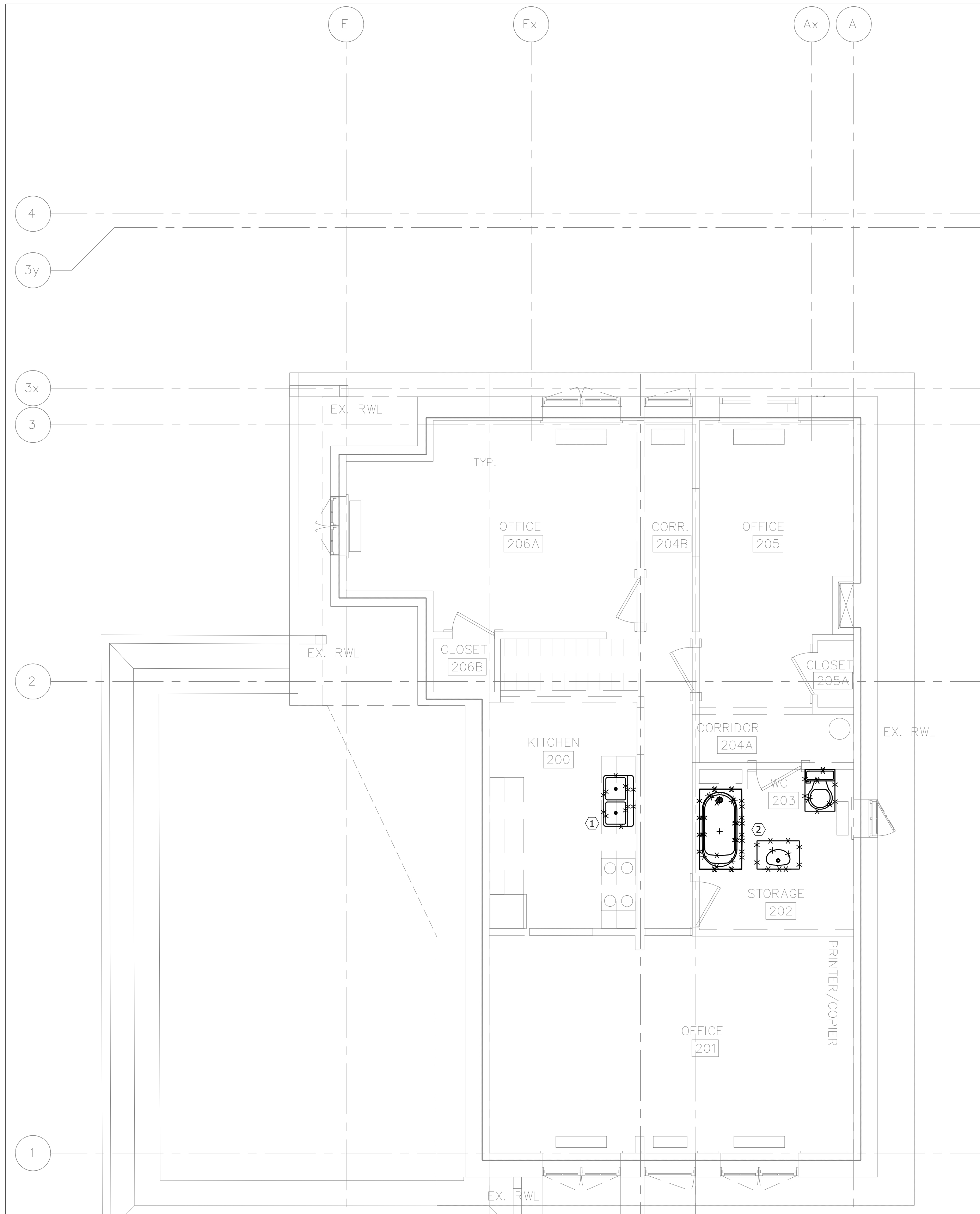
PLUMBING GENERAL NOTES:

1. THESE GENERAL NOTES APPLY TO ALL PLUMBING DRAWINGS.
2. CONTRACTOR TO VERIFY ALL LOCATIONS AND PIPE SLOPES ON SITE.
3. COORDINATE WITH ALL TRADES FOR NEW PLUMBING FIXTURE AND PIPING INSTALLATION.
4. PROVIDE ALL NEW FIXTURES AS INDICATED.
5. PROVIDE NEW ISOLATION VALVE AND FLEXIBLE HOSE CONNECTIONS FOR EACH FIXTURE. SIZE TO MATCH FIXTURE.
6. ALL DCW, DHW & DRAINAGE PIPING SHALL BE INSULATED AS PER SPECIFICATION.
7. ALL PLUMBING VENT PIPING SHALL BE INSIDE WALLS AND INSTALLED IN ACCORDANCE WITH THE OBC PART 7. CONTRACTOR TO VERIFY VENT PIPING ON SITE. PROVIDE ALL MODIFICATION TO EXISTING TO MEET OBC REQUIREMENTS.

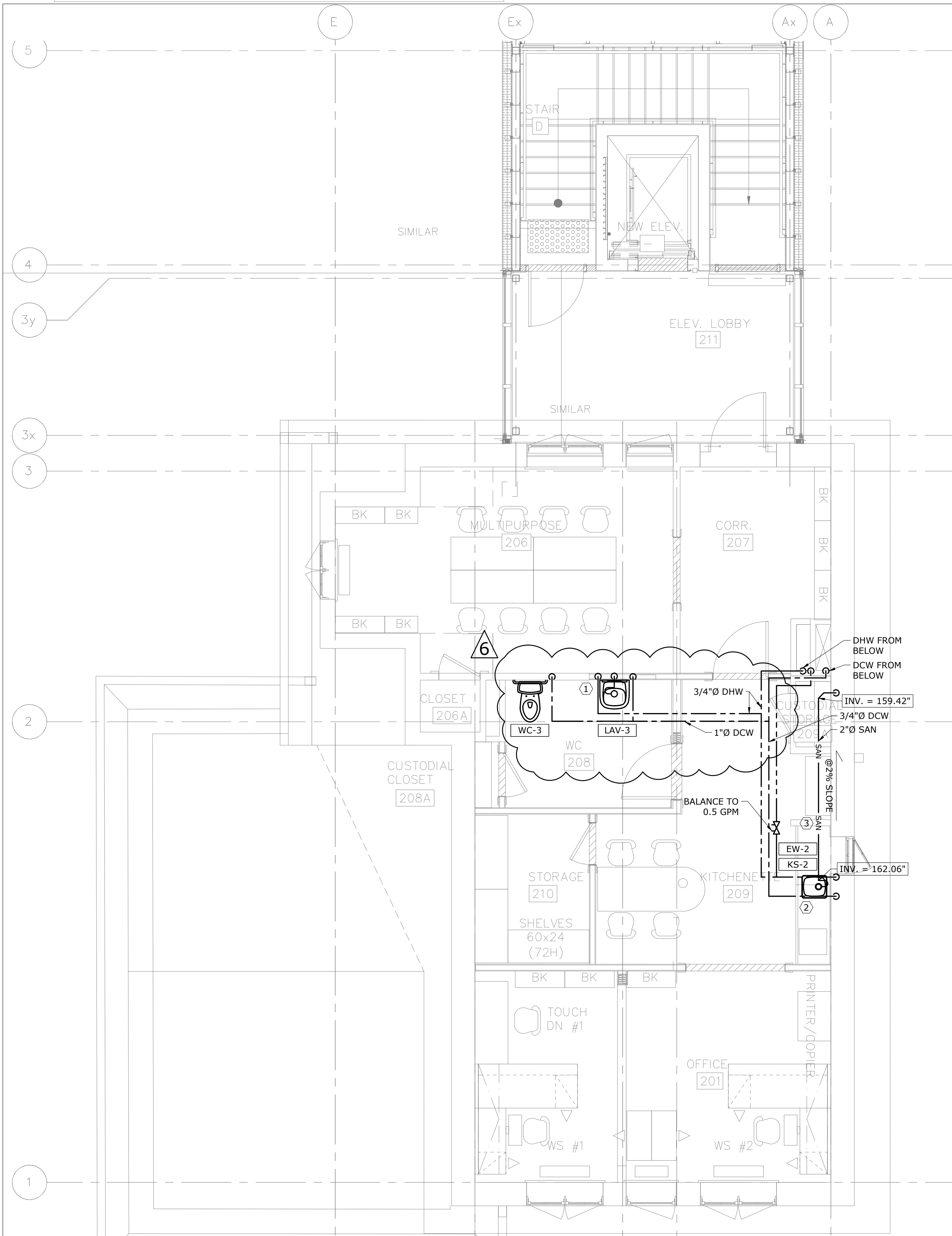
PLUMBING GENERAL NOTES (CONTINUED):

8. CONTRACTOR SHALL SEAL UNUSED OPENINGS AND REPAIR FLOOR/CEILING TO MATCH EXISTING.
- REFERENCE NOTES:
- ① PROVIDE NEW PLUMBING FIXTURES AND ASSOCIATED PIPING AS SHOWN.
 - ② EXISTING KITCHEN SINK AND FAUCET FROM GROUND FLOOR RELOCATED AS SHOWN.
 - ③ RUN SANITARY WITHIN HORIZONTAL SHAFT WITHIN THE MILLWORK. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.

DO NOT SCALE DRAWINGS.
CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS.
NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL.
ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION.
ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF MAT 4SITE ENGINEERS LTD.



1 SECOND FLOOR - PLUMBING - DEMOLITION
SCALE: 1/4" = 1'-0"

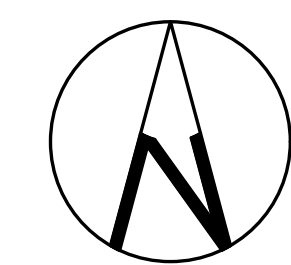


2 SECOND FLOOR - PLUMBING - MODIFICATION
SCALE: 1/4" = 1'-0"

6	2023/10/03	ISSUED FOR ADDENDUM #1
5	2023/08/04	ISSUED FOR PERMIT/TENDER
4	2023/07/12	ISSUED FOR 95% REVIEW
3	2023/06/02	ISSUED FOR 50% CD REVIEW
2	2023/04/26	ISSUED FOR 100% DD REVIEW
1	2023/04/10	ISSUED FOR 50% REVIEW

No. Date Action

MAT 4SITE ENGINEERS LTD.
620 WILSON AVE., SUITE 300, TORONTO, ON M6K 1Z3
PHONE: 416-229-6574 FAX: 416-229-4105



Orientation Stamp

Project Name and Address:

**SPADINA MUSEUM
GARAGE REHABILITATION AND
SITE ACCESSIBILITY**
285 SPADINA RD,
TORONTO, ON M5R2V5

Drawing title
**SECOND FLOOR –
PLUMBING – DEMOLITION
AND MODIFICATION**

Scale:
1/4" = 1'-0"

Project No.
22626

Designer:

Date:

S.N.

2023/01/25

Drawn by:

Checked by:

S.N.

R.S.

Drawing file:

Client Approval

22626-M

Revision No.

Drawing No.

0

M-203

[illegible]

1 BASEMENT
M-300 SCALE: 1/4" = 1'-0"

2 BASEMENT
M-300 SCALE: 1/4" = 1'-0"

Revision No.	Drawing No.
0	M-300

DEMOLITION GENERAL NOTES:

1. THESE GENERAL NOTES APPLY TO ALL DEMOLITION DRAWINGS.
2. DISCONNECT EXISTING UNUSED EQUIPMENT FROM POWER SUPPLY AND MAKE SAFE.
3. PRIOR TO COMMENCING THE DEMOLITION WORK, EXAMINE SITE CAREFULLY INCLUDING ALL THE ELEMENTS THAT NEED TO BE REMOVED.
4. REMOVE ALL ABANDONED PIPES, HANGERS, INSERTS, CONDUITS, DUCTS, AND SERVICES.
5. SEAL AND FIRESTOP (IF NECESSARY) ALL AFFECTED AREAS TO MATCH EXISTING.
6. CONTRACTOR TO CLEAN ALL DEBRIS AND RUBBISH GENERATED FROM THIS WORK.
7. CONTRACTOR TO REPAIR ANY DAMAGE CAUSED BY THIS WORK AND MAKE GOOD TO MATCH EXISTING.
8. CONTRACTOR SHALL REPAIR UNUSED FLOOR AND WALL OPENINGS AT ALL PENETRATIONS OF DEMOLISHED WORK. REPAIRS SHALL MATCH EXISTING CONDITION AND FINISHES.
9. DRAIN ALL AFFECTED SYSTEMS AS REQUIRED AND REFILL AFTER WORK IS COMPLETE. REFER TO SPECIFICATIONS FOR SPECIFIC PIPE FLUSHING MATERIALS AND PROCEDURES.

DEMOLITION GENERAL NOTES: (CONTINUED)

10. ALL EXISTING SYSTEM ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR IS RESPONSIBLE TO SITE VERIFY EXACT LOCATION OF EQUIPMENT AND POINT OF CONNECTION TO EXISTING AS REQUIRED.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR DISASSEMBLY AND CUTTING OF ALL EQUIPMENT/MATERIAL TO ALLOW FOR REMOVAL FROM SITE.

REFERENCE NOTES:

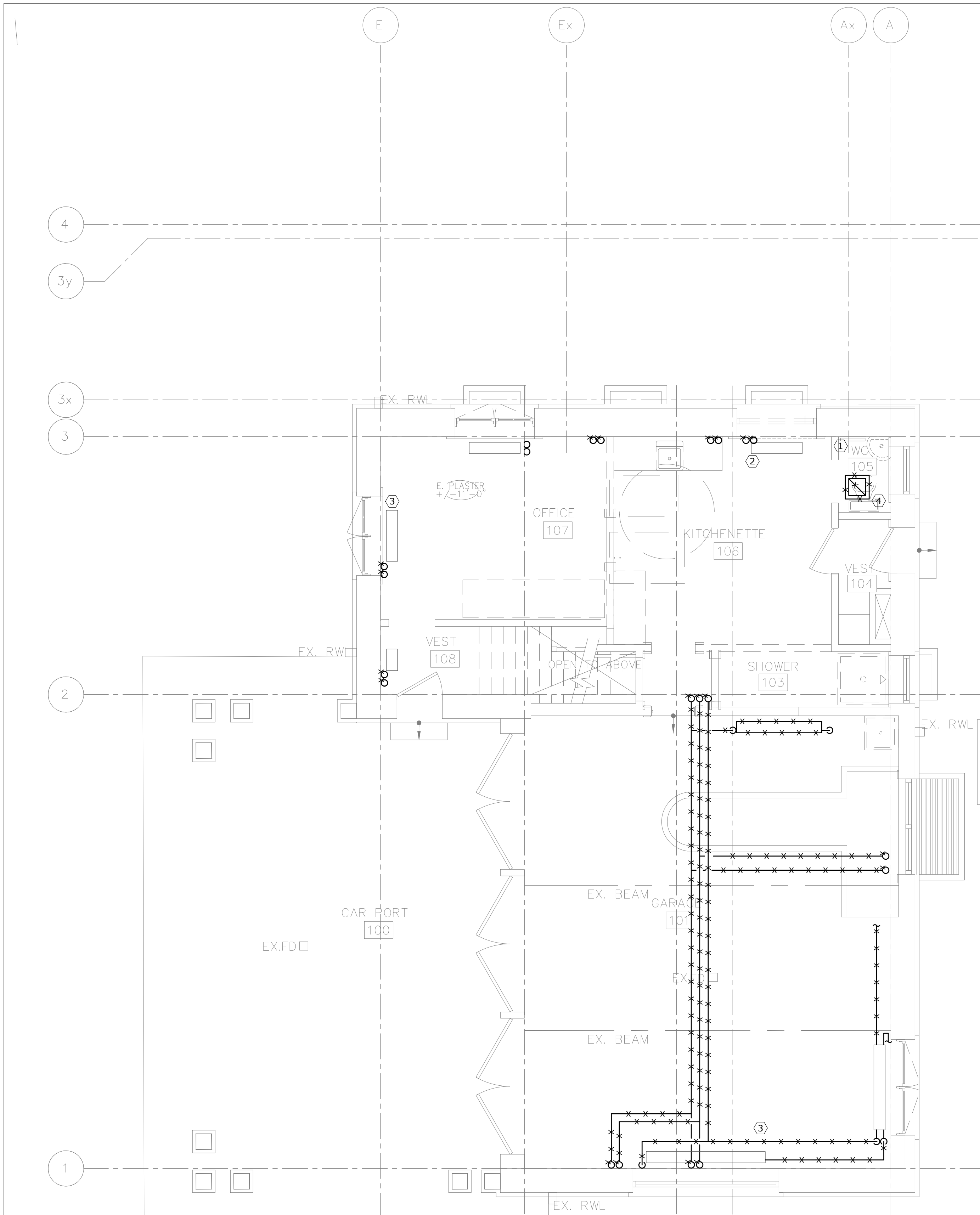
- ① ALL EXISTING DUCTWORK, GRILLES, REGISTERS, DIFFUSERS AND, HWS AND HWR PIPING AND ACCESSORIES TO BE DEMOLISHED AND REMOVED AS SHOWN.
- ② EXISTING RADIATOR (TYP. OF 1) TO BE RELOCATED AND ASSOCIATED HWS AND HWR PIPING TO BE DEMOLISHED AS SHOWN.
- ③ ALL EXISTING HWS AND HWR PIPING AND ASSOCIATED ACCESSORIES TO BE DEMOLISHED AND REMOVED. EXISTING CAST IRON RADIATORS TO REMAIN AS INDICATED, SEE DETAILS ON M-1000.
- ④ EXISTING WASHROOM EXHAUST FAN AND ASSOCIATED DUCTWORK TO BE DEMOLISHED AND REMOVED AS SHOWN.

HVAC GENERAL NOTES:

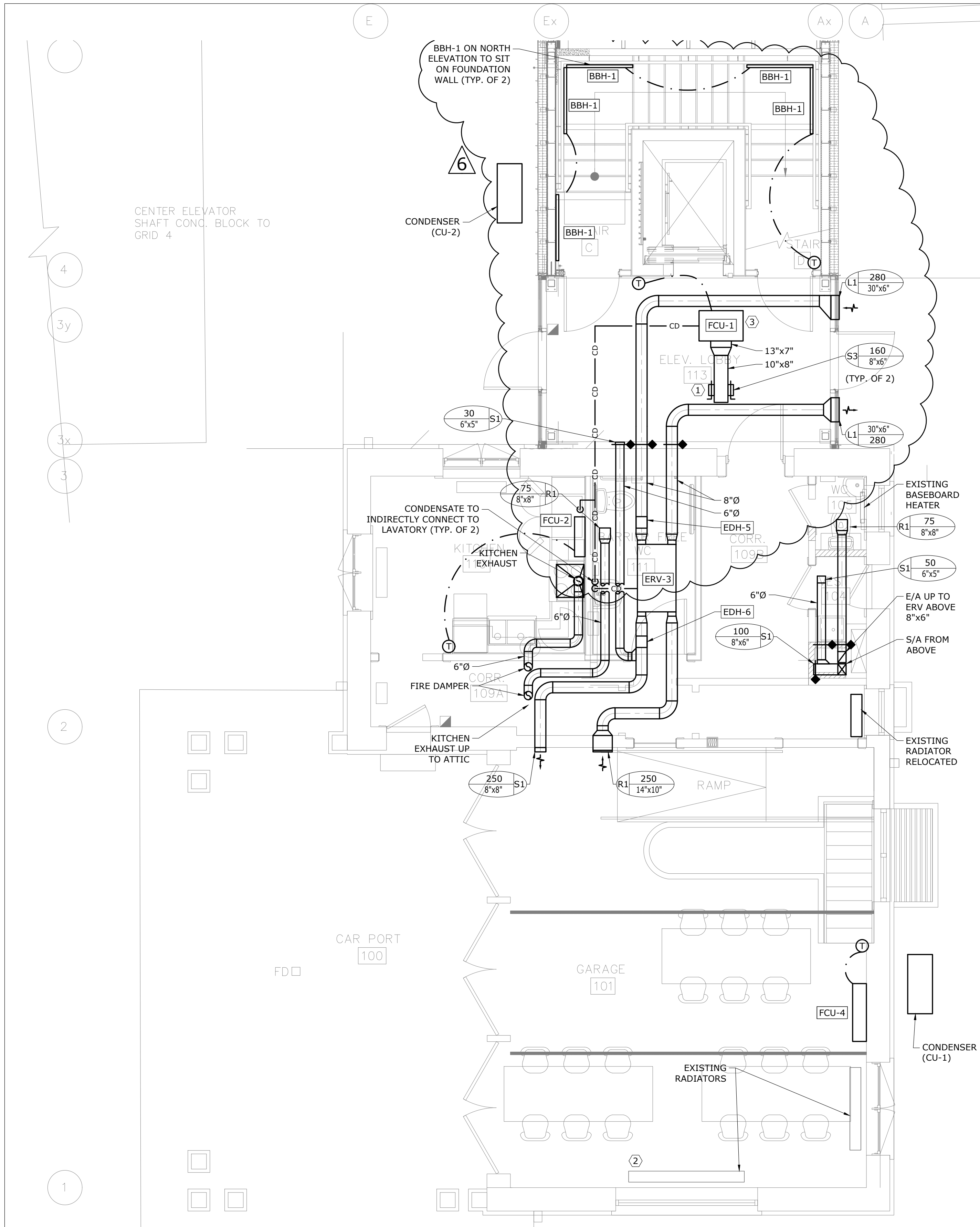
1. THESE GENERAL NOTES APPLY TO ALL HVAC DRAWINGS.
2. ALL CONTROLS WORK TO BE COMPLETED BY CONTROLS CONTRACTOR.
3. EXISTING GRILLES AND DIFFUSERS TO REMAIN UNLESS OTHERWISE INDICATED.
4. PROVIDE NEW DUCTWORK, DIFFUSERS AND GRILLES AS REQUIRED AND/OR INDICATED.
5. PROVIDE NEW EQUIPMENT AND ALL ASSOCIATED ACCESSORIES AS REQUIRED TO COMPLETE A FULLY FUNCTIONING SYSTEM.
6. ALL GRILLE AND DIFFUSER LOCATIONS ARE TO BE COORDINATED WITH FINAL ARCHITECTURAL REFLECTED CEILING PLAN.
7. BALANCE ALL DIFFUSERS, GRILLES, AND OPEN ENDED DUCTS TO THE AIRFLOW INDICATED ON THE DRAWINGS.

REFERENCE NOTES:

- ① BLADES FOR SUPPLY AIR GRILLES TO BE ADJUSTED ON SITE TO COVER ENTIRE SPAN VERTICAL AND HORIZONTAL SPAN OF WINDOW.
- ② ALL RADIATORS TO BE REMOVED AND RE-INSTALLED AS REQUIRED TO ACCOMMODATE ABATEMENT. RADIATORS ARE ALSO TO BE BRUSHED DOWN, RE-PAINTED AND FINISH TO BE COORDINATED WITH THE ARCHITECT.
- ③ ALL EQUIPMENT AND DUCTWORK IN THE ELEVATOR LOBBY TO BE PAINTED, COLOUR TO COORDINATED WITH ARCHITECT.



1 GROUND FLOOR - HVAC - DEMOLITION
M-301 SCALE: 1/4" = 1'-0"



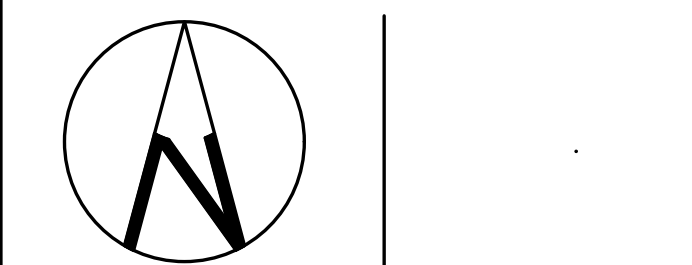
2 GROUND FLOOR - HVAC - MODIFICATION
M-301 SCALE: 1/4" = 1'-0"

DO NOT SCALE DRAWINGS.
CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS.
NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL.
ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION.
ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF MAT 4SITE ENGINEERS LTD.

6	2023/10/03	ISSUED FOR ADDENDUM #1
5	2023/08/04	ISSUED FOR PERMIT/TENDER
4	2023/07/12	ISSUED FOR 95% REVIEW
3	2023/06/02	ISSUED FOR 50% CD REVIEW
2	2023/04/26	ISSUED FOR 100% DD REVIEW
1	2023/04/10	ISSUED FOR 50% REVIEW

No.	Date	Action
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MAT 4SITE ENGINEERS LTD.
620 WILSON AVE., SUITE 300, TORONTO, ON M5K 1Z3
PHONE: 416-229-6574 FAX: 416-229-4105



Orientation Stamp

Project Name and Address:
**SPADINA MUSEUM
GARAGE REHABILITATION AND
SITE ACCESSIBILITY**
285 SPADINA RD,
TORONTO, ON M5R2V5

Drawing title
**GROUND FLOOR - HVAC -
DEMOLITION AND
MODIFICATION**

Scale: 1/4" = 1'-0"	Project No. 22626
Designer: S.N.	Date: 2023/01/25
Drawn by: S.N.	Checked by: R.S.
Drawing file: 22626-M	Client Approval

Revision No. 0	Drawing No. M-301
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DEMOLITION GENERAL NOTES:

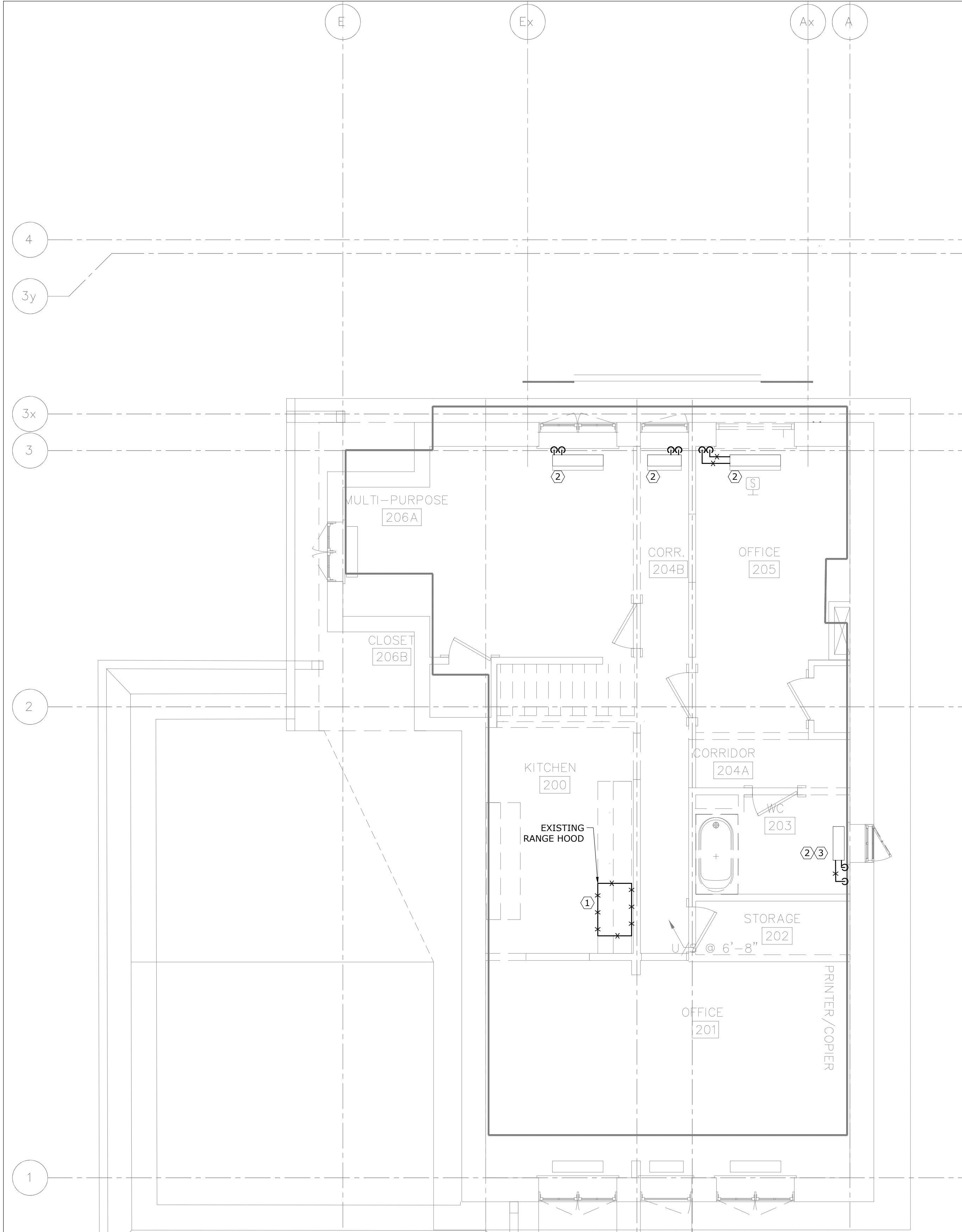
1. THESE GENERAL NOTES APPLY TO ALL DEMOLITION DRAWINGS.
2. DISCONNECT EXISTING UNUSED EQUIPMENT FROM POWER SUPPLY AND MAKE SAFE.
3. PRIOR TO COMMENCING THE DEMOLITION WORK, EXAMINE SITE CAREFULLY INCLUDING ALL THE ELEMENTS THAT NEED TO BE REMOVED.
4. REMOVE ALL ABANDONED PIPES, HANGERS, INSERTS, CONDUITS, DUCTS, AND SERVICES.
5. SEAL AND FIRESTOP (IF NECESSARY) ALL AFFECTED AREAS TO MATCH EXISTING.
6. CONTRACTOR TO CLEAN ALL DEBRIS AND RUBBISH GENERATED FROM THIS WORK.
7. CONTRACTOR TO REPAIR ANY DAMAGE CAUSED BY THIS WORK AND MAKE GOOD TO MATCH EXISTING.
8. CONTRACTOR SHALL REPAIR UNUSED FLOOR AND WALL OPENINGS AT ALL PENETRATIONS OF DEMOLISHED WORK. REPAIRS SHALL MATCH EXISTING CONDITION AND FINISHES.

DEMOLITION GENERAL NOTES: (CONTINUED)

9. DRAIN ALL AFFECTED SYSTEMS AS REQUIRED AND REFILL AFTER WORK IS COMPLETE. REFER TO SPECIFICATIONS FOR SPECIFIC PIPE FLUSHING MATERIALS AND PROCEDURES.
10. ALL EXISTING SYSTEM ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR IS RESPONSIBLE TO SITE VERIFY EXACT LOCATION OF EQUIPMENT AND POINT OF CONNECTION TO EXISTING AS REQUIRED.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR DISASSEMBLY AND CUTTING OF ALL EQUIPMENT/MATERIAL TO ALLOW FOR REMOVAL FROM SITE.

REFERENCE NOTES:

- ① EXISTING RANGE HOOD, DUCTWORK AND ASSOCIATED ACCESSORIES TO BE DEMOLISHED AND REMOVED AS SHOWN. EXISTING VENT TO REMAIN.
- ② EXISTING RADIATOR (TYP. OF 4) TO BE RELOCATED AND ASSOCIATED HWS AND HWR PIPING TO BE DEMOLISHED AS SHOWN.
- ③ ALL EXISTING HWS AND HWR PIPING AND ASSOCIATED ACCESSORIES TO BE DEMOLISHED AND REMOVED. EXISTING CAST IRON RADIATORS TO REMAIN AS INDICATED, SEE DETAILS ON M-1000.



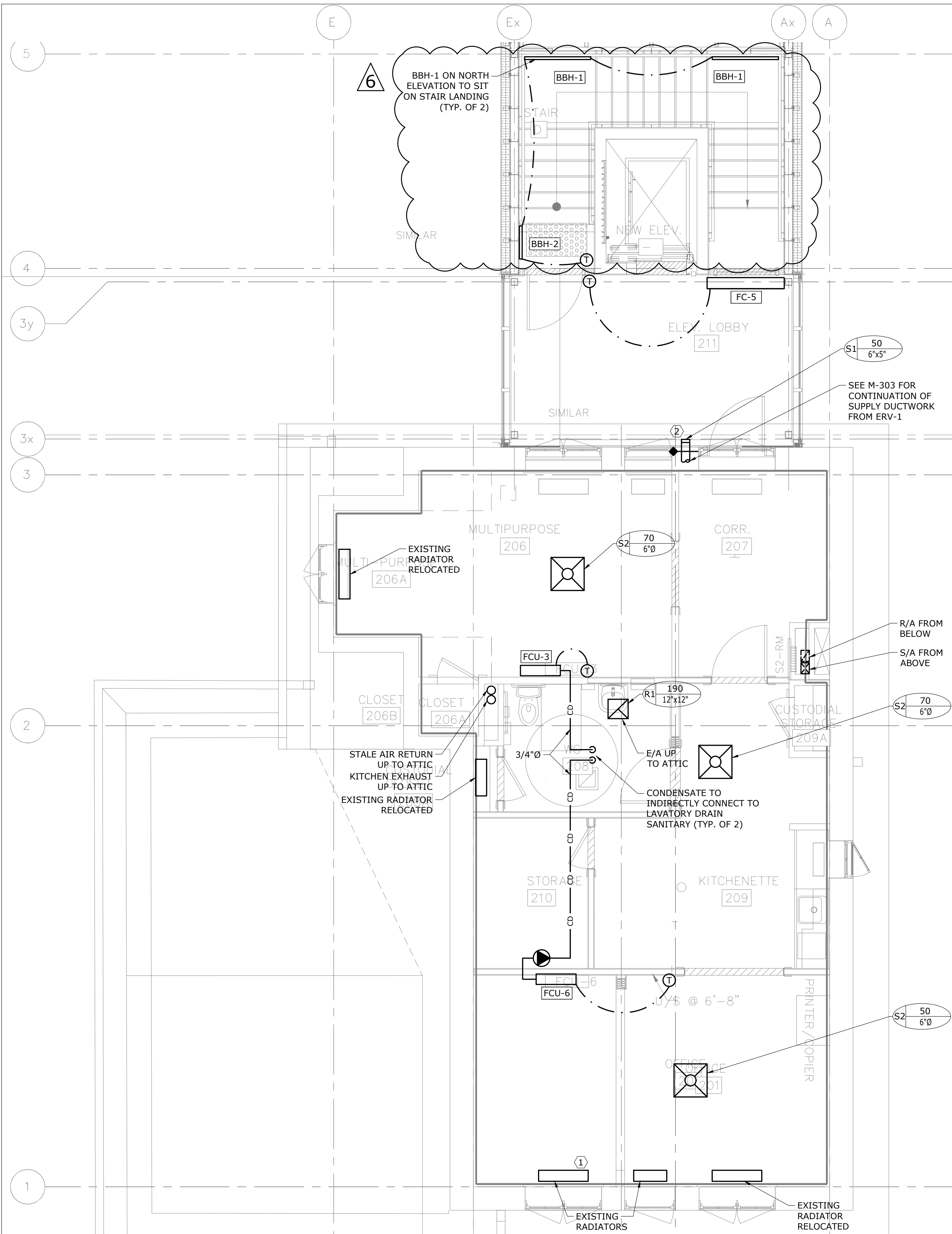
1 SECOND FLOOR - HVAC - DEMOLITION
M-302 SCALE: 1/4" = 1'-0"

HVAC GENERAL NOTES:

1. THESE GENERAL NOTES APPLY TO ALL HVAC DRAWINGS.
2. ALL CONTROLS WORK TO BE COMPLETED BY CONTROLS CONTRACTOR.
3. EXISTING GRILLES AND DIFFUSERS TO REMAIN UNLESS OTHERWISE INDICATED.
4. PROVIDE NEW DUCTWORK, DIFFUSERS AND GRILLES AS REQUIRED AND/OR INDICATED.
5. PROVIDE NEW EQUIPMENT AND ALL ASSOCIATED ACCESSORIES AS REQUIRED TO COMPLETE A FULLY FUNCTIONING SYSTEM.
6. ALL GRILLE AND DIFFUSER LOCATIONS ARE TO BE COORDINATED WITH FINAL ARCHITECTURAL REFLECTED CEILING PLAN.
7. BALANCE ALL DIFFUSERS, GRILLES, AND OPEN ENDED DUCTS TO THE AIRFLOW INDICATED ON THE DRAWINGS.

REFERENCE NOTES:

- ① ALL RADIATORS TO BE REMOVED AND RE-INSTALLED AS REQUIRED TO ACCOMMODATE ABATEMENT. RADIATORS ARE ALSO TO BE BRUSHED DOWN, RE-PAINTED AND FINISH TO BE COORDINATED WITH THE ARCHITECT.
- ② SUPPLY DUCTWORK TO BE INSULATED AND RUN IN THE CEILING SPACE. SUPPLY GRILLE TO BE AT HIGH LEVEL AND REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION. REFER TO 1/M-303 FOR FULL DUCT RUN.



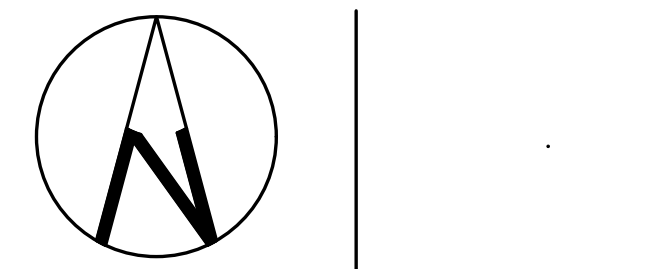
2 SECOND FLOOR - HVAC - MODIFICATION
M-302 SCALE: 1/4" = 1'-0"

DO NOT SCALE DRAWINGS.
CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS
OF ANY ERRORS OR OMISSIONS.
NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE
IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL.
ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE
LATEST REVISION.
ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF
MAT 4SITE ENGINEERS LTD.

6	2023/10/03	ISSUED FOR ADDENDUM #1
5	2023/08/04	ISSUED FOR PERMIT/TENDER
4	2023/07/12	ISSUED FOR 95% REVIEW
3	2023/06/02	ISSUED FOR 50% CD REVIEW
2	2023/04/26	ISSUED FOR 100% DD REVIEW
1	2023/04/10	ISSUED FOR 50% REVIEW

No.	Date	Action
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MAT 4SITE ENGINEERS LTD.
620 WILSON AVE., SUITE 300, TORONTO, ON M5K 1Z3
PHONE: 416-229-6574 FAX: 416-229-4105



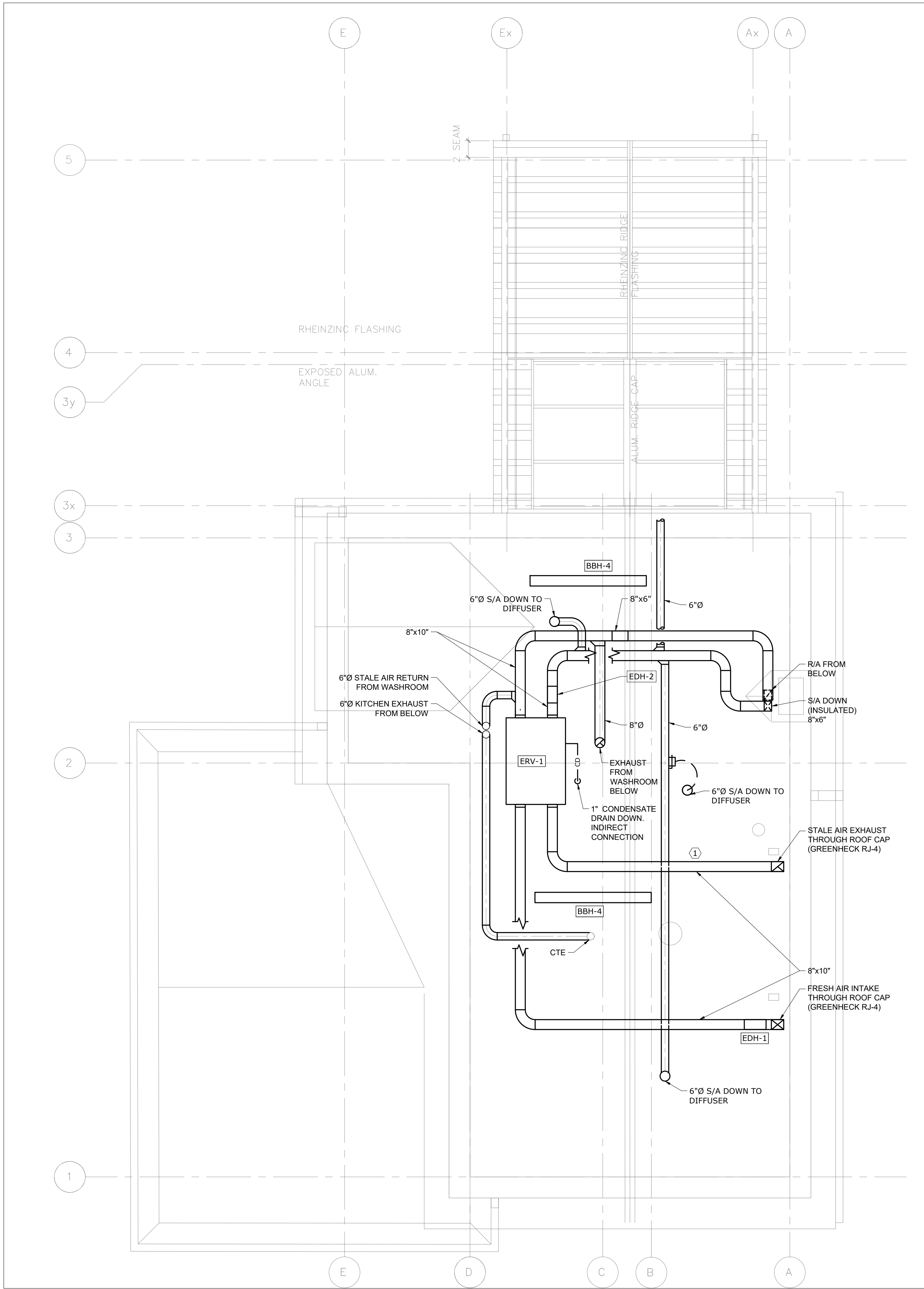
Orientation Stamp

Project Name and Address:
**SPADINA MUSEUM
GARAGE REHABILITATION AND
SITE ACCESSIBILITY**
285 SPADINA RD,
TORONTO, ON M5R2V5

Drawing title
**SECOND FLOOR - HVAC -
DEMOLITION AND
MODIFICATION**

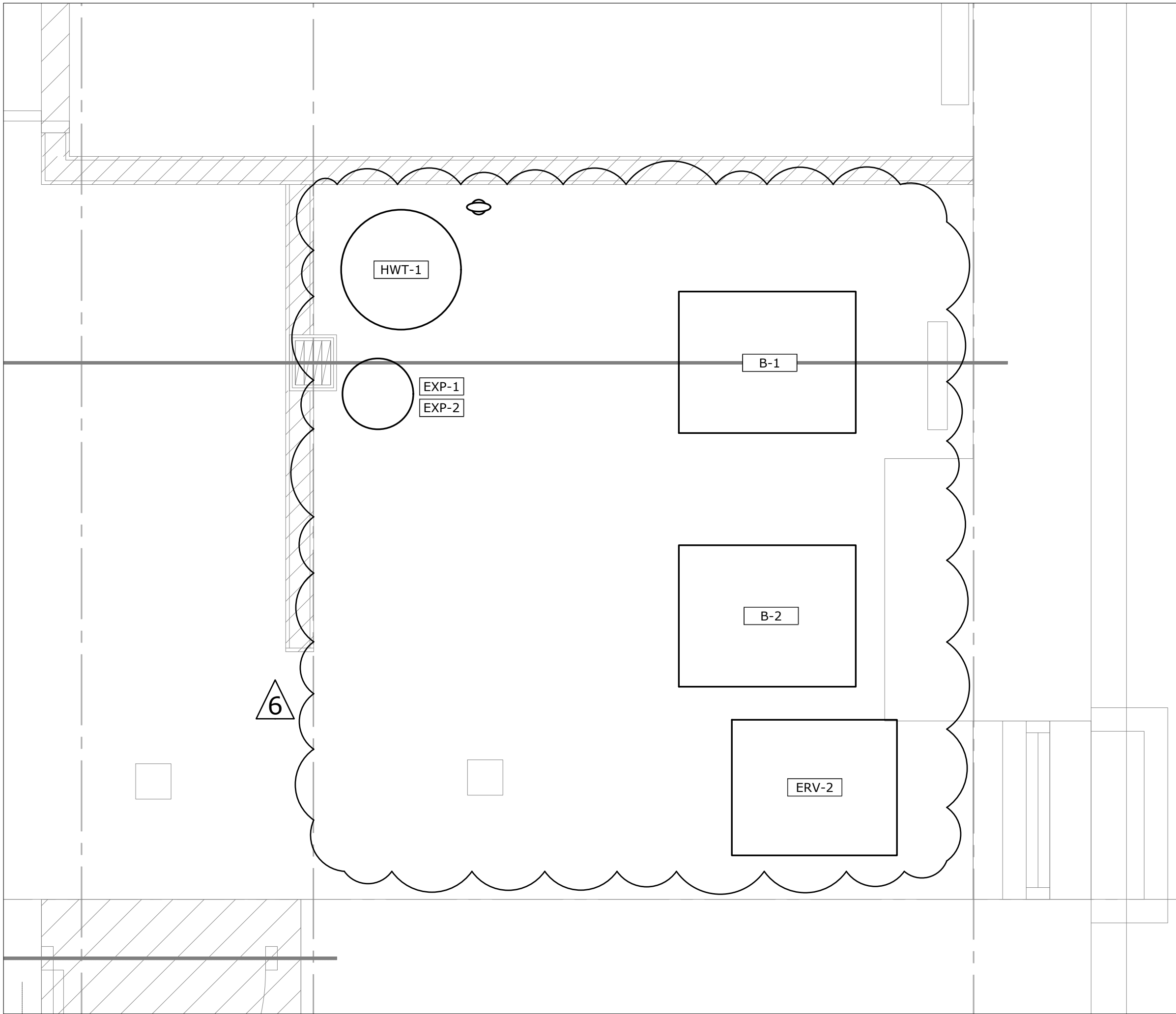
Scale: 1/4" = 1'-0"	Project No. 22626
Designer: S.N.	Date: 2023/01/25
Drawn by: S.N.	Checked by: R.S.
Drawing file: 22626-M	Client Approval

Revision No.	Drawing No.
0	M-302



- HVAC GENERAL NOTES:**
1. THESE GENERAL NOTES APPLY TO ALL HVAC DRAWINGS.
 2. ALL CONTROLS WORK TO BE COMPLETED BY CONTROLS CONTRACTOR.
 3. EXISTING GRILLES AND DIFFUSERS TO REMAIN UNLESS OTHERWISE INDICATED.
 4. PROVIDE NEW DUCTWORK, DIFFUSERS AND GRILLES AS REQUIRED AND/OR INDICATED.
 5. PROVIDE NEW EQUIPMENT AND ALL ASSOCIATED ACCESSORIES AS REQUIRED TO COMPLETE A FULLY FUNCTIONING SYSTEM.
 6. ALL GRILLE AND DIFFUSER LOCATIONS ARE TO BE COORDINATED WITH FINAL ARCHITECTURAL REFLECTED CEILING PLAN.
 7. BALANCE ALL DIFFUSERS, GRILLES, AND OPEN ENDED DUCTS TO THE AIRFLOW INDICATED ON THE DRAWINGS.

- REFERENCE NOTES:**
- ① ALL DUCTWORK TO BE ACOUSTICALLY LINED AND THERMALLY INSULATED IN THE ATTIC.



DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS. NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF MAT 4SITE ENGINEERS LTD.

6	2023/10/03	ISSUED FOR ADDENDUM #1
5	2023/08/04	ISSUED FOR PERMIT/TENDER
4	2023/07/12	ISSUED FOR 95% REVIEW
3	2023/06/02	ISSUED FOR 50% CD REVIEW
2	2023/04/26	ISSUED FOR 100% DD REVIEW
1	2023/04/10	ISSUED FOR 50% REVIEW
No.	Date	Action



Orientation Stamp

Project Name and Address:
**SPADINA MUSEUM
GARAGE REHABILITATION AND
SITE ACCESSIBILITY**
285 SPADINA RD,
TORONTO, ON M5R2V5

Drawing title
**ATTIC – HVAC –
MODIFICATION & BASEMENT
MECHANICAL ROOM**

Scale: N.T.S.	Project No. 22626
Designer: S.N.	Date: 2023/01/25
Drawn by: S.N.	Checked by: R.S.
Drawing file: 22626-M	Client Approval

Revision No. 0	Drawing No. M-303
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TYPICAL CONTROLS SEQUENCES – BOILER PLANT

1. HEATING FLAG

1.1. THE BOILER PLANT SHALL BE MANUALLY ENABLED FROM OCTOBER TO MAY.

2. BOILER CONTROL

2.1. MODULATION SHALL BE CONTROLLED BY A P-I-D ALGORITHM TO MAINTAIN THE SUPPLY WATER TEMPERATURE SETPOINT. IF AT ANY TIME THE SUPPLY WATER TEMPERATURE EXCEEDS SETPOINT BY MORE THAN 10 °C OR EXCEEDS 92 °C, THE BOILER SHALL BE DISABLED.

2.2. THE LEAD BOILER SHALL BE ALTERNATED ON THE 1ST AND 16TH DAY OF EACH MONTH. IF THREE BOILERS ARE PRESENT, THE LEAD BOILER SHALL BE ALTERNATED ON THE 1ST, 11TH AND 21ST DAY OF EACH MONTH.

2.3. IF THE LEAD BOILER IS STARTED AND OPERATING STATUS IS NOT DETECTED WITHIN 20 MINUTES (ADJUSTABLE), THEN THE LEAD BOILER SHALL BE REGARDED AS "FAILED" AND SHALL BE REMOVED FROM THE SEQUENCE. THE LAG BOILER SHALL AUTOMATICALLY BE THE LEAD BOILER. THE START COMMAND SHALL BE MAINTAINED CONTINUOUSLY ON THE FAILED BOILER UNTIL A CORRECT BOILER STATUS IS RECEIVED. IF THIS OCCURS, THE BOILER SHALL NO LONGER BE REGARDED AS BEING FAILED AND SHALL BE RETURNED TO OPERATING AS THE LEAD BOILER.

2.4. IF THE LEAD BOILER HAS BEEN OPERATING CONTINUOUSLY FOR 20 MINUTES (ADJUSTABLE) OR MORE AND THE SUPPLY WATER TEMPERATURE IS STILL BELOW SETPOINT, THEN THE LAG BOILER SHALL BE STARTED.

2.5. DURING OCCUPIED HOURS, THE SUPPLY WATER TEMPERATURE SHALL BE 88°C (ADJUSTABLE).

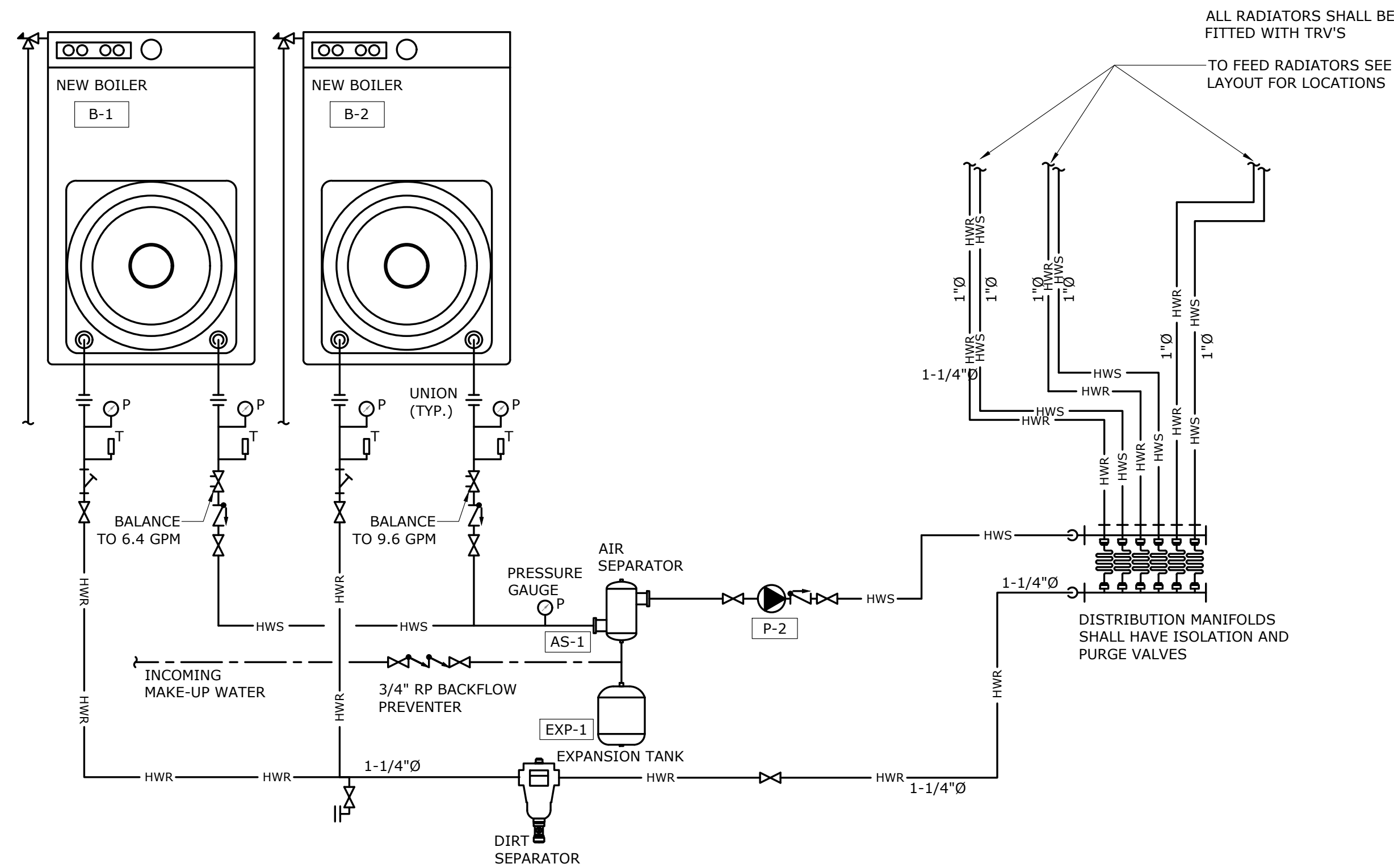
2.6. DURING UNOCCUPIED HOURS, THE SUPPLY WATER TEMPERATURE SHALL BE 72°C (ADJUSTABLE).

2.7. HYDRONIC HEATING PUMPS

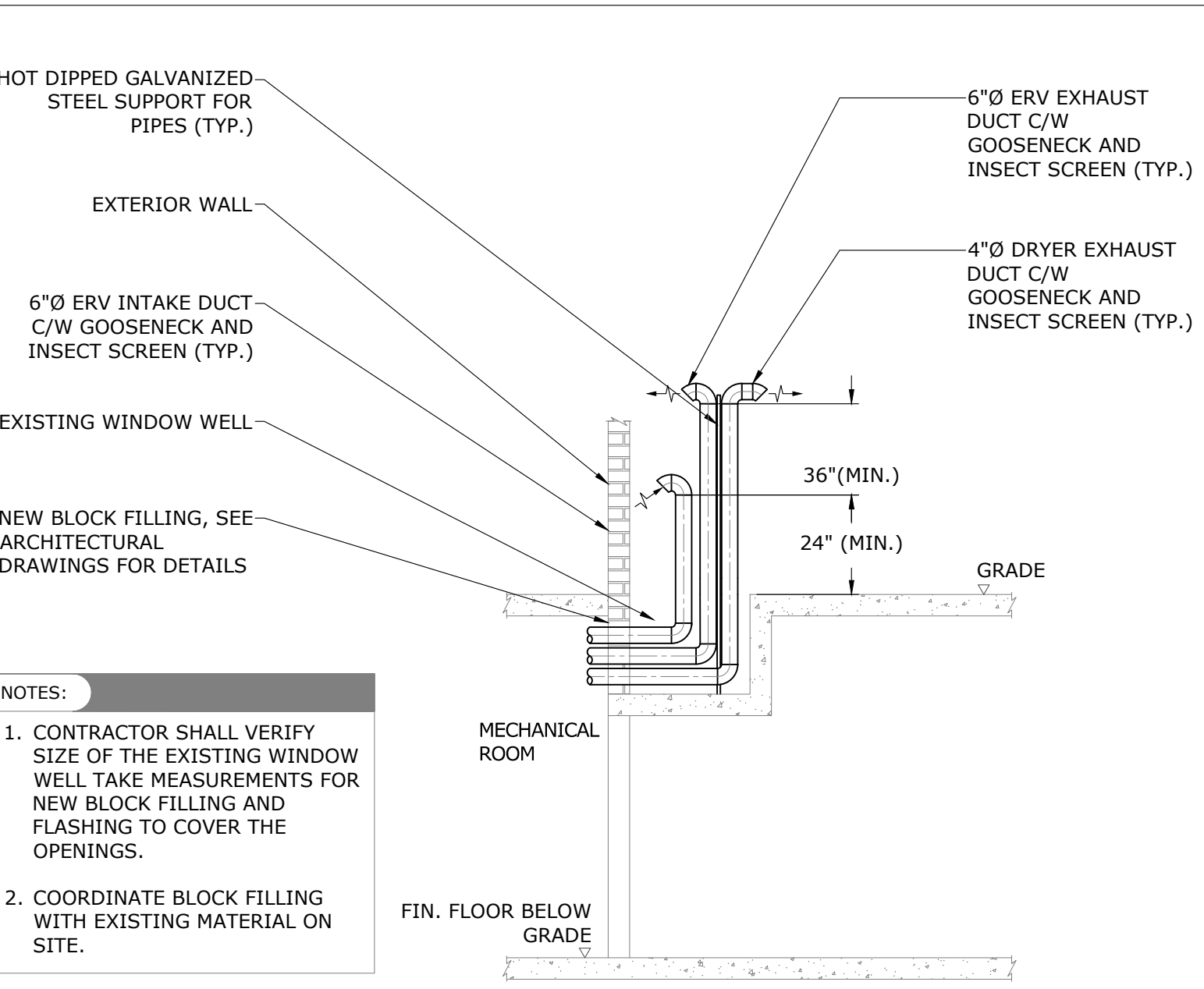
.1 SHALL BE MANUALLY TURNED ON CONTINUOUSLY FROM OCTOBER TO MAY.

BOILER SHALL HAVE AN ELECTRICAL DISCONNECT SWITCH INSTALLED. BOILER SHALL HAVE OUTDOOR TEMPERATURE SENSOR INSTALLED ON NORTH SIDE OF BUILDING AWAY FROM POTENTIAL HEAT SOURCES.

ALL RADIATORS TO BE COMPLETE WITH DIVERTER PANEL RADIATORS VALVE WITH ADJUSTABLE BYPASS.



1 BOILER SCHEMATIC
SCALE: N.T.S.



2 ERV INTAKE, ERV AND DRYER EXHAUST SCHEMATIC
SCALE: N.T.S.

DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS. NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF MAT 4SITE ENGINEERS LTD.

6	2023/10/03	ISSUED FOR ADDENDUM #1
5	2023/08/04	ISSUED FOR PERMIT/TENDER
4	2023/07/12	ISSUED FOR 95% REVIEW
3	2023/06/02	ISSUED FOR 50% CD REVIEW
2	2023/04/26	ISSUED FOR 100% DD REVIEW
1	2023/04/10	ISSUED FOR 50% REVIEW
No.	Date	Action

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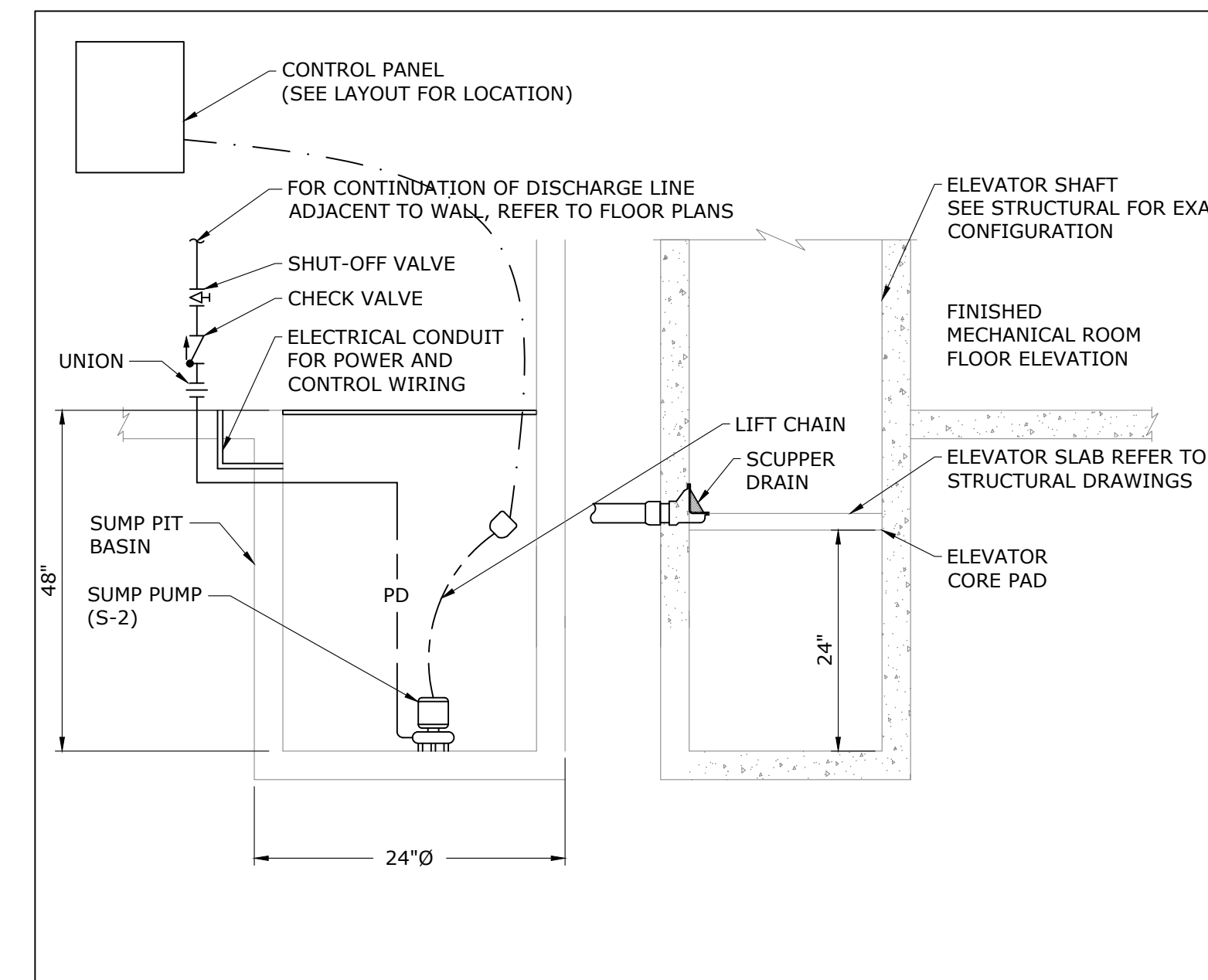
Orientation Stamp

Project Name and Address:
**SPADINA MUSEUM
GARAGE REHABILITATION AND
SITE ACCESSIBILITY**
285 SPADINA RD,
TORONTO, ON M5R2V5

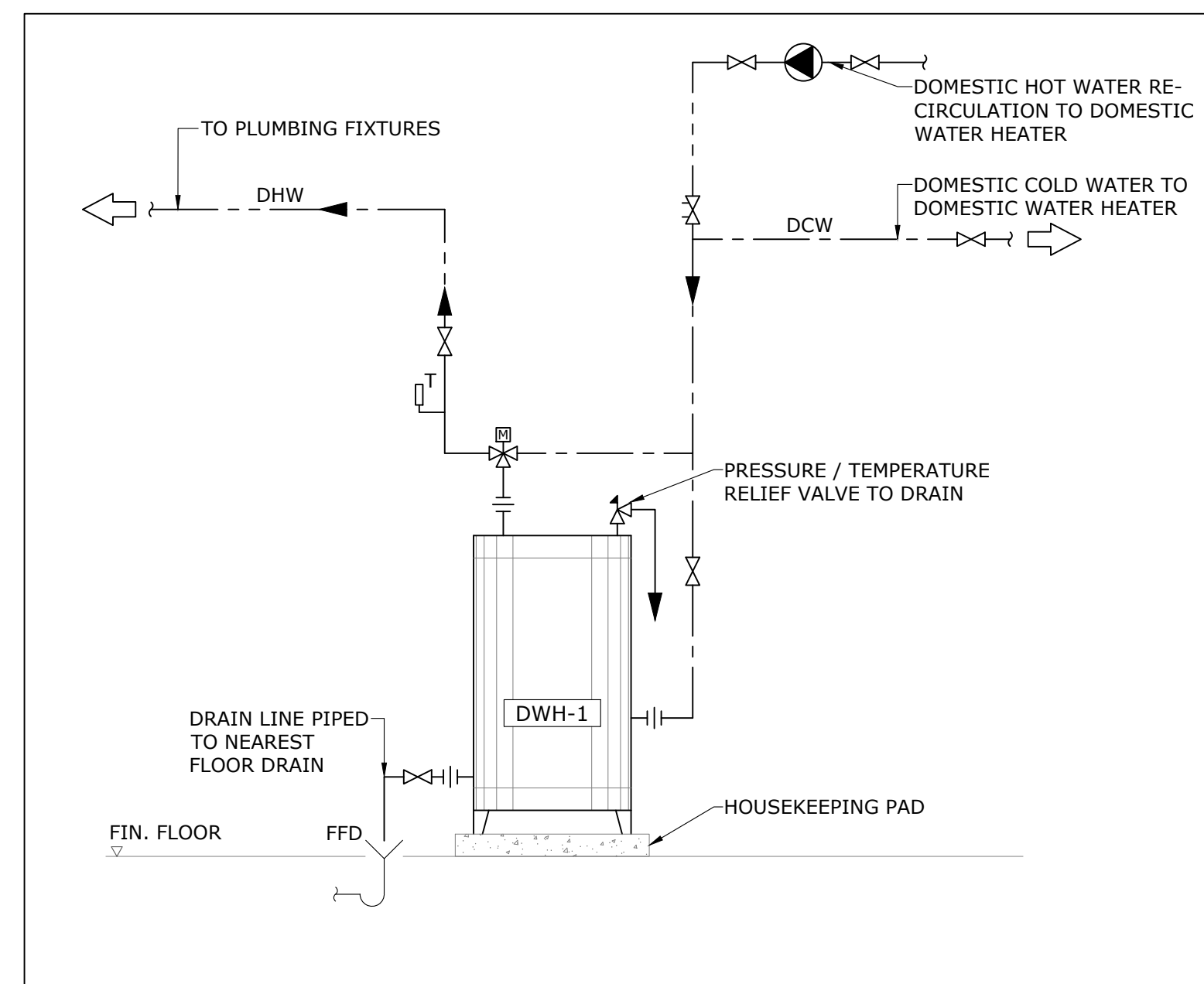
Drawing title
SCHEMATICS

Scale: N.T.S.	Project No. 22626
Designer: S.N.	Date: 2023/01/25
Drawn by: S.N.	Checked by: R.S.
Drawing file: 22626-M	Client Approval

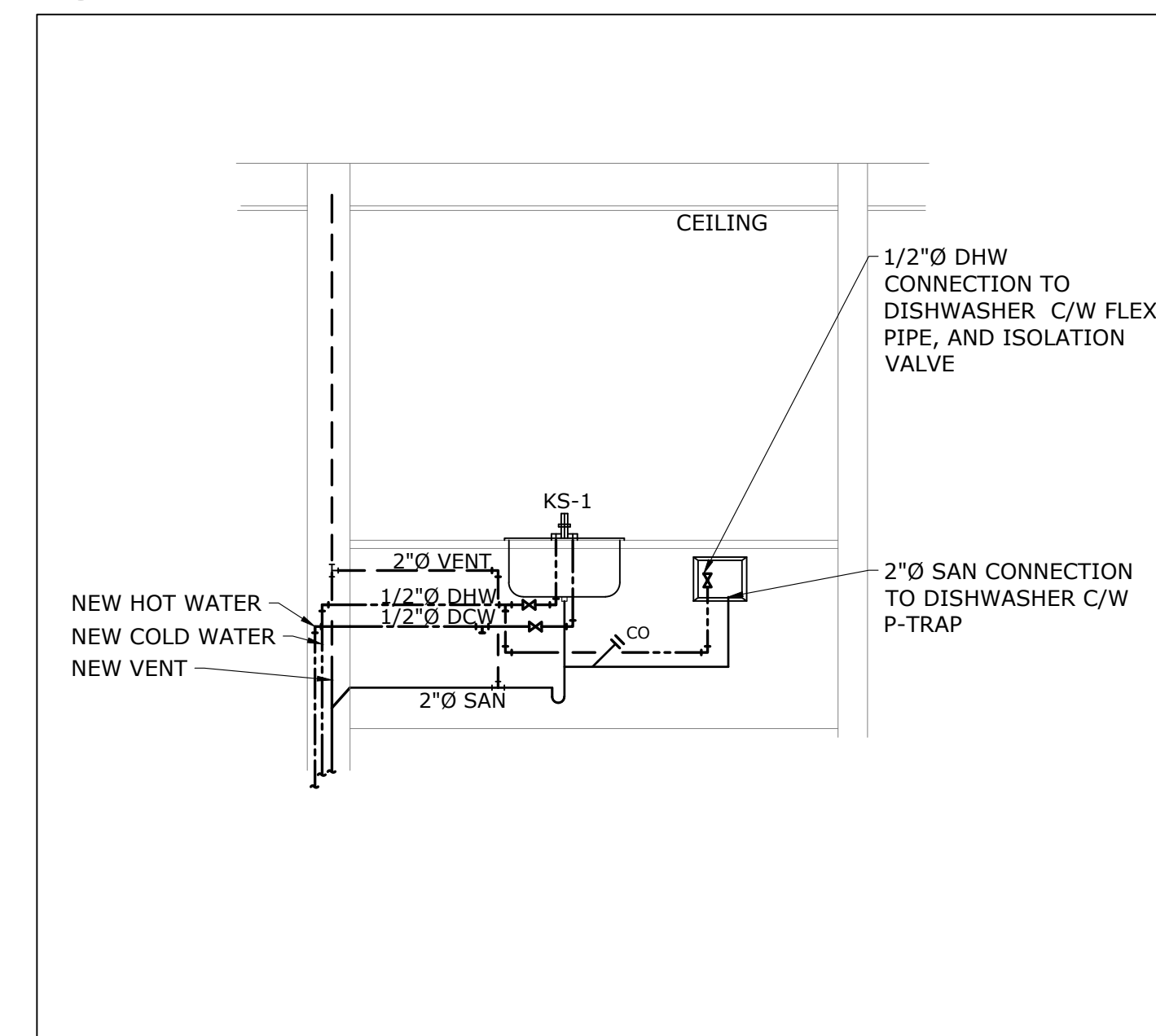
Revision No.	Drawing No.
0	M-800



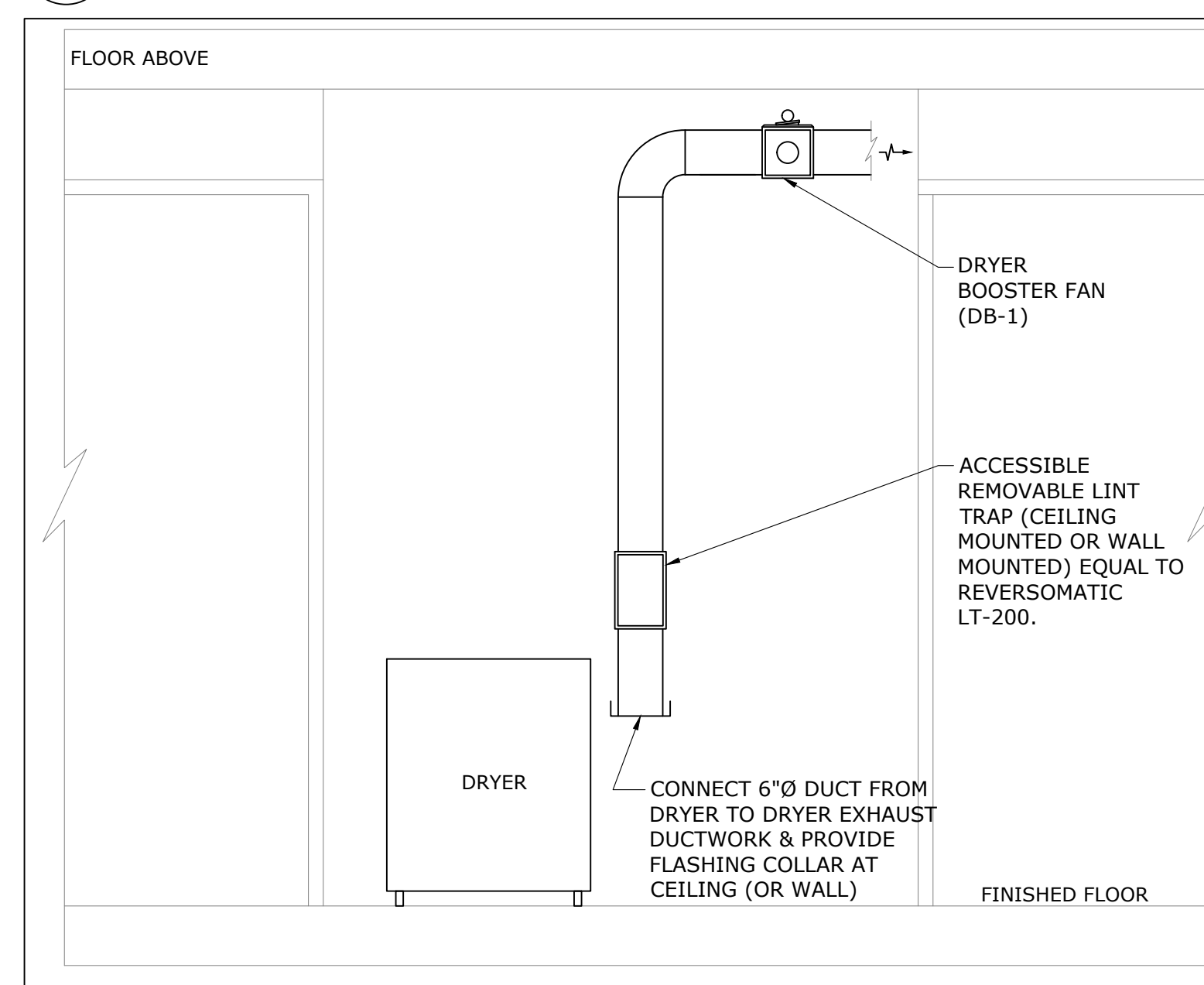
2 ELEVATOR SUMP PIT DETAIL
M-1000 SCALE: N.T.S.



4 ELECTRIC DOMESTIC WATER HEATER DETAIL
M-1000 SCALE: N.T.S.



5 SINK INSTALLATION DETAIL
M-1000 SCALE: N.T.S.



7 DRYER CLOSET DETAIL
M-1000 SCALE: N.T.S.



8 SUSPENDED FAN COIL UNIT INSTALLATION DETAIL
M-1000 SCALE: N.T.S.

6	2023/10/03	ISSUED FOR ADDENDUM #1
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1	2023/04/10	ISSUED FOR 50% REVIEW
No.	Date	Action

Orientation	Stamp
Project Name and Address: SPADINA MUSEUM GARAGE REHABILITATION AND SITE ACCESSIBILITY 285 SPADINA RD, TORONTO, ON M5R2V5	

Drawing title
DETAILS

Scale: N.T.S.	Project No. 22626
Designer: S.N.	Date: 2023/01/25
Drawn by: S.N.	Checked by: R.S.
Drawing file: 22626-M	Client Approval

Revision No.	Drawing No.
0	M-1000



MAT 4SITE ENGINEERS LTD.

620 WILSON AVENUE, SUITE 320, TORONTO, ON M3K 1Z3
Phone: 416-229-6574 Fax: 416-229-4105

TENDER ADDENDUM ELECTRICAL-01

October 2, 2023

PROJECT: Spadina Museum Garage Rehabilitation and Site Accessibility
LOCATION: 285 Spadina Road, Toronto, ON M5R 2V5
Client Project #: A22048
M4S Project #: 22626

Regarding the above project Issued for Tender on August 4, 2023, please make the following changes:

ELECTRICAL:

- 1.** Revise the following drawings as indicated. Refer to the respective drawing for more details.
 - **Dwg. E-100**
 - General notes #11 and #12 added.
 - **Dwg. E-101**
 - New Hydro padmount transformer, primary and secondary ductbanks shown.
 - Primary ductbank, pad for padmount transformer, padmount transformer and bollards to be supplied and installed by this contractor as per Hydro specifications and as per detail on Dwg. E-1001.
 - Secondary ductbank specified and to be installed as per CSA 22.1-21.
 - **Dwg. E-200**
 - Detail 1/E-200
 - Reference note #1 added.
 - Detail 2/E-200
 - Reference note #1 added.
 - **Dwg. E-201**
 - Detail 1/E-201
 - Reference note #1 added.
 - Detail 2/E-201
 - Reference note #1 added.
 - **Dwg. E-202**
 - Detail 1/E-202
 - Reference note #1 added.
 - Detail 2/E-202
 - Reference note #1 added.
 - Lighting c/w occupancy sensor added in Janitor room.
 - **Dwg. E-300**
 - Detail 1/E-300
 - Demolition for existing electrical room revised.

October 2, 2023

- Detail 2/E-300
 - Layout of electrical room revised; panel locations modified.
- **Dwg. E-301**
 - Detail 2/E-301
 - Reference note #10 added.
- **Dwg. E-302**
 - Detail 2/E-302
 - Reference note #1 added.
 - Heat detector added in Janitor room.
- **Dwg. E-900**
 - Detail 2/E-900
 - Secondary conductor specified, c/w switchboard and Hydro metering.

Sincerely,



Samir Naik
MAT 4Site Engineers Ltd.

GENERAL NOTES:	
1.	THESE GENERAL NOTES APPLY TO ALL DRAWINGS.
2.	CONTRACTOR SHALL CONDUCT A SITE REVIEW PRIOR TO PRICING TO BECOME FAMILIAR WITH THE SITE CONDITIONS. VERIFY ALL LOCATIONS, SIZES, AND CONNECTIONS ON SITE AND REPORT ANY DISCREPANCIES TO THE CONSULTANT WITH PROPOSED RESOLUTION AND OBTAIN CONSULTANT'S APPROVAL.
3.	ALL EXISTING SERVICES THAT ARE NOT SHOWN ON THE DRAWINGS AND ARE EXPOSED DURING DEMOLITION/CONSTRUCTION SHALL BE VERIFIED BY THE CONTRACTOR AS TO THE SOURCE AND ROUTING AND SHALL BE REPORTED TO THE CONSULTANT WITH PROPOSED RESOLUTIONS.
4.	ALL BASE BUILDING SERVICES NOT IN SCOPE ARE TO REMAIN ON AND INTACT DURING THE DURATION OF WORK. WIRING, CONDUIT, AND EQUIPMENT REQUIRED TO MAINTAIN SERVICE SHALL BE TEMPORARILY SUPPORTED, RE-ROUTED, SERVICED, OR RELOCATED AS REQUIRED. ANY LOSS OF SERVICES TO EXISTING BASE BUILDING OUTSIDE OF SCOPE OF WORK SHALL BE COORDINATED WITH LANDLORD, FACILITY MANAGEMENT.
5.	ALL EQUIPMENT AND DEVICES SHOWN ARE APPROXIMATE LOCATIONS. EXACT LOCATIONS AND MOUNTING HEIGHTS SHALL BE COORDINATED ON SITE WITH OTHER TRADES AND CONSULTANT.
6.	SEAL AND FIRESTOP ALL WALL, FLOOR, AND ROOF PENETRATIONS THROUGH FIRE RATED ASSEMBLIES.
7.	COORDINATE ALL ELECTRICAL WORK AND SHUTDOWNS WITH LANDLORD, FACILITY MANAGEMENT AND OTHER TRADES.
8.	MAKE GOOD ALL SURFACES, INCLUDING CORE HOLES FROM DEMOLISHED OR RELOCATED EQUIPMENT/DEVICES, AFTER COMPLETION OF WORK.
9.	ALL MATERIALS SHALL BE DISPOSED IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
10.	COORDINATE ALL WORK TO SUIT PROJECT PHASE SCHEDULE. COORDINATE PHASING WITH ARCHITECT/INTERIOR DESIGNER/GC'S DRAWINGS.
11.	PROVIDE CONDUIT/WIRE OR BX CABLE FOR ALL NEW ELECTRICAL INSTALLATION. INCLUDE ALL ASSOCIATED COSTS.
12.	REMOVE ALL EXISTING ROWMEX CABLE AND REPLACE WITH CONDUIT/WIRE OR BX CABLE. INCLUDE ALL ASSOCIATED COSTS.

SECURITY NOTES:	
1.	THESE SECURITY NOTES APPLY TO ALL DRAWINGS.
2.	ALL SECURITY DEVICES SHOWN ON DRAWINGS ARE BY CITY SECURITY CONTRACTOR. ELECTRICAL CONTRACTOR TO PROVIDE ROUGH-IN ONLY.

FIRE ALARM NOTES:	
1.	THESE FIRE ALARM NOTES APPLY TO ALL DRAWINGS.
2.	ALL FIRE ALARM DEVICES SHOWN ON DRAWINGS ARE BY OTHERS. ELECTRICAL CONTRACTOR TO PROVIDE ROUGH-IN ONLY.
3.	ALL MODIFICATIONS TO THE FIRE ALARM SYSTEM SHALL BE COMPLETED BY THE CITY FIRE ALARM CONTRACTOR/VENDOR/MANUFACTURER. NEW FIRE ALARM DEVICES SHALL MATCH EXISTING. CONNECT NEW FIRE ALARM DEVICES TO EXISTING CIRCUITS WITH SPARE CAPACITY. PROVIDE NEW FIRE ALARM CIRCUITS AS REQUIRED. ALLOW FOR ALL ASSOCIATED COSTS AND ADDITIONAL COMPONENTS INCLUDING, BUT NOT LIMITED TO: ASSOCIATED EQUIPMENT, DEVICES, PROGRAMMING, TESTING, AND VERIFICATION TO MAKE SYSTEM OPERATIONAL AND CODE COMPLIANT. FIRE ALARM SYSTEM SHALL BE INSTALLED AS PER LATEST EDITION OF CAN/ULC-S524. FIRE ALARM VERIFICATION SHALL BE COMPLETED AS PER LATEST EDITION OF CAN/ULC-S537.
4.	ALL FIRE ALARM DEVICES/EQUIPMENT TO BE CONNECTED TO FIRE ALARM PANEL IN MAIN HOUSE. TYPICAL FOR ALL.

RESPONSIBILITY MATRIX

SYSTEM	SECURITY	COMMUNICATIONS	FIRE ALARM	ELECTRICAL
WORK				
ROUGH-IN & CONDUIT	ELEC	ELEC	ELEC	ELEC
CABLING & TERMINATION	SEC	ELEC	FA	ELEC
FIELD DEVICE INSTALLATION & TERMINATION	SEC	ELEC	FA	ELEC
PROGRAMMING	SEC	ELEC	FA	N/A
COMMISSIONING & TESTING	SEC	ELEC	FA	ELEC
ELEC = ELECTRICAL CONTRACTOR SEC = SECURITY CONTRACTOR FA = FIRE ALARM CONTRACTOR N/A = NOT APPLICABLE				
NOTE: FINAL WIRING OF FIRE ALARM AND SECURITY WORK ARE TO BE DONE BY CITY'S VENDOR, HOWEVER IT IS THE CONTRACTOR RESPONSIBILITY TO CARRY CITY'S VENDOR TO COMPLETE THE WORK IN BASE BID.				

DATA/ COMMUNICATION NOTES:
1. RUN 2 CAT 6 CABLES TO PATCH PANEL. TERMINATE CABLES IN RJ45 KEYSTONE JACKS. PROVIDE PROPER LABELING AND TESTING.

POWER AND SYSTEMS LEGEND	
SYMBOL	DESCRIPTION
	NEW WORK
	EXISTING TO REMAIN
	EXISTING TO BE DEMOLISHED
	DATA OUTLET
	COMMUNICATIONS RACK
	TELEPHONE OUTLET
	COMBINATION TELEPHONE & DATA OUTLET
	COMBINATION TELEPHONE & DATA OUTLET - FLOOR MOUNTED
	COMBINATION TELEPHONE & DATA OUTLET - CEILING MOUNTED
	COMBINATION POWER & COMMUNICATION FLOOR OUTLET BOX - SURFACE MOUNTED
	COMBINATION POWER & COMMUNICATION FLOOR OUTLET BOX - FLUSH MOUNTED
	COMBINATION POWER & COMMUNICATION POKE-THRU TYPE FLOOR OUTLET BOX - FLUSH MOUNTED
	TELEVISION OUTLET
	DISHWASHER OUTLET
	WATER HEATER OUTLET
	GENERAL OUTLET X = TYPE
	GENERAL OUTLET - FLOOR MOUNTED X = TYPE
	GENERAL OUTLET - CEILING MOUNTED X = TYPE
	SINGLE RECEPTACLE
	SINGLE RECEPTACLE - FLOOR MOUNTED
	SINGLE RECEPTACLE - CEILING MOUNTED
	DUPLEX RECEPTACLE
	DUPLEX RECEPTACLE - FLOOR MOUNTED
	DUPLEX RECEPTACLE - CEILING MOUNTED
	DUPLEX RECEPTACLE - C/W ISOLATED GROUND
	DUPLEX RECEPTACLE - 5-20R (T-SLOT)
	SPLIT WIRED DUPLEX RECEPTACLE
	GFI DUPLEX RECEPTACLE
	GFI DUPLEX RECEPTACLE - 5-20R (T-SLOT)
	QUADRUPLEX RECEPTACLE
	QUADRUPLEX RECEPTACLE - FLOOR MOUNTED
	QUADRUPLEX RECEPTACLE - CEILING MOUNTED
	QUADRUPLEX RECEPTACLE - C/W ISOLATED GROUND
	SYSTEMS FURNITURE BASE FEED - FLOOR
	SYSTEMS FURNITURE BASE FEED - WALL
	SYSTEMS FURNITURE BASE FEED - SERVICE POLE
	SYSTEMS FURNITURE BASE FEED - WIREMOLD
	CONNECTRAC RACEWAY
	WIREMOLD RACEWAY C/W POWER RECEPTACLE & COMBINATION OUTLET
	MOTOR CONNECTION
	DISCONNECT SWITCH - FUSED
	DISCONNECT SWITCH - NON-FUSED
	DIRECT CONNECTION TO EQUIPMENT AS NOTED
	ELECTRIC BASEBOARD HEATER
	PANEL - SURFACE MOUNTED
	PANEL - FLUSH MOUNTED
	PUSH BUTTON SWITCH
	JUNCTION BOX - WALL MOUNTED
	JUNCTION BOX - CEILING MOUNTED
	JUNCTION BOX - FLOOR MOUNTED

FIRE ALARM SYSTEMS LEGEND	
SYMBOL	DESCRIPTION
	NEW WORK
	EXISTING TO REMAIN
	EXISTING TO BE DEMOLISHED
	SMOKE DETECTOR - CEILING MOUNTED
	HEAT DETECTOR
	FIRE ALARM BELL
	FIRE ALARM HORN
	FIRE ALARM HORN AND STROBE DEVICE
	FIRE ALARM MANUAL PULL STATION
	FIRE ALARM EVACUATION SPEAKER - CEILING MOUNTED
	FIRE ALARM EVACUATION SPEAKER - WALL MOUNTED
	FIRE ALARM SPEAKER/STROBE COMBINATION - CEILING MOUNTED
	FIRE ALARM SPEAKER/STROBE COMBINATION - WALL MOUNTED
	FIRE ALARM STROBE - CEILING MOUNTED
	FIRE ALARM STROBE - WALL MOUNTED
	SMOKE ALARM/STROBE COMBINATION - CEILING MOUNTED
	SMOKE ALARM/STROBE COMBINATION - WALL MOUNTED
	DUCT MOUNTED SMOKE DETECTOR
	FLOW SWITCH
	SUPERVISED VALVE
	FIREMAN'S HANDSET

SINGLE LINE DIAGRAM LEGEND	
SYMBOL	DESCRIPTION
	NEW WORK
	EXISTING TO REMAIN
	EXISTING TO BE DEMOLISHED
	START SWITCH
	STOP SWITCH
	CIRCUIT BREAKER
	LIGHTING ARRESTOR
	SWITCH AND FUSE UNIT
	FUSIBLE HIGH VOLTAGE ISOLATION SWITCH
	TRANSFORMER
	TRANSFORMER - ELECTROSTATIC SHIELD

ABBREVIATIONS	
ABB.	DESCRIPTION
BAS	BUILDING AUTOMATION SYSTEM
CTE	CONNECT TO EXISTING
ER	EXISTING TO BE REMOVED
E	EXISTING TO REMAIN
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GND	BONDING CONDUCTOR CONNECTED TO BUILDING GROUND
N	NEW TO BE PROVIDED
RL	EXISTING DEVICE/EQUIPMENT IN RELOCATED POSITION
RR	REMOVE AND REINSTALL
TYP	TYPICAL
VFD	VARIABLE FREQUENCY DRIVE
WP	WEATHERPROOF
SLD	SINGLE LINE DIAGRAM
P.F.C.	POWER FACTOR CAPACITOR
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR

LIGHTING LEGEND	
SYMBOL	DESCRIPTION
	NEW WORK
	EXISTING TO REMAIN
	EXISTING TO BE DEMOLISHED
	EXISTING TO BE REMOVED OR RELOCATED
	LUMINAIRE FIXTURE
	LUMINAIRE FIXTURE TO BE REMOVED OR RELOCATED
	EMERGENCY LUMINAIRE FIXTURE
	TRACK LIGHTING (NUMBER OF FIXTURES SHOWN ON SYMBOL)
	TRACK LIGHTING TO BE REMOVED OR RELOCATED
	POT LIGHT
	RECESSED POT LIGHT CONNECTED TO NIGHT LIGHT CIRCUIT
	SUSPENDED LUMINAIRE
	WALL MOUNTED LUMINAIRE
	SWITCH - SINGLE POLE
	SWITCH - DOUBLE POLE
	SWITCH - THREE WAY
	SWITCH - FOUR WAY
	SWITCH - LOW VOLTAGE MASTER
	SWITCH - DIMMER
	DAY LIGHT PHOTO SENSOR
	OCCUPANCY SENSOR - CEILING MOUNTED
	OCCUPANCY SENSOR C/W SWITCH - WALL MOUNTED
	EXIT SIGN - PENDANT/CEILING MOUNTED (SHADING INDICATES LIGHTED FACES, ARROWS INDICATE DIRECTION OF EXIT)
	EXIT SIGN - WALL MOUNTED (SHADING INDICATES LIGHTED FACES, ARROWS INDICATE DIRECTION OF EXIT)
	OUTDOOR POLE ARM FIXTURE - ONE LIGHT
	OUTDOOR POLE ARM FIXTURE - TWO LIGHT
	OUTDOOR POLE ARM FIXTURE - THREE LIGHT
	WALL PACK
	EMERGENCY WALL PACK
	OUTDOOR FLOOD LIGHT
	RECESSED POT LIGHT
	RECESSED POT LIGHT C/W EMERGENCY BATTERY BACKUP
	WALL MOUNTED LUMINAIRE
	SUSPENDED LUMINAIRE
	EMERGENCY LIGHTS TWIN HEADS C/W BATTERY UNIT
	EMERGENCY LIGHTS TWIN HEADS, WALL MOUNTED

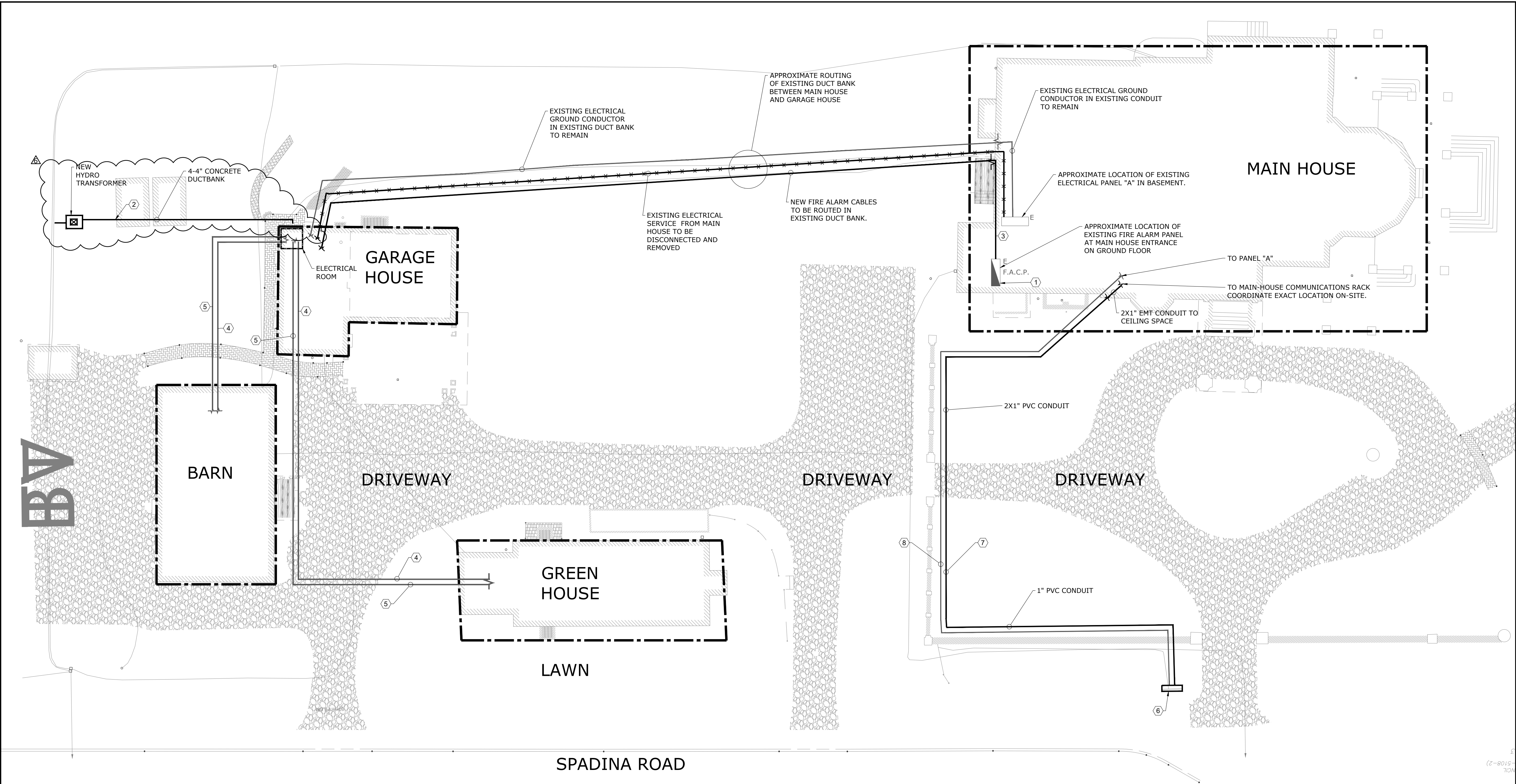
SECURITY LEGEND	
SYMBOL	DESCRIPTION
	NEW WORK
	EXISTING TO REMAIN
	EXISTING TO BE DEMOLISHED
	CCTV SECURITY CAMERA DOME
	INTRUSION PANEL
	CARD READER
	ELECTRIC STRIKE
	INTRUSION MOTION SENSOR
	DOOR CONTACT
	REQUEST FOR EXIT
	AUTOMATIC DOOR OPERATOR BY OTHERS
	HANDICAP PUSH PLATE BY OTHERS
	INTRUSION KEYPAD

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6	2023/09/29	ISSUED FOR ADDENDUM E-01
5	2023/08/04	ISSUED FOR PERMIT/TENDER
4	2023/07/12	ISSUED FOR 95% REVIEW
3	2023/05/31	ISSUED FOR 50% CD
2	2023/04/26	ISSUED FOR 100% DD
1	2023/04/10	ISSUED FOR 50% DD
No.	Date	Action



Orientation	Stamp
Project Name and Address: SPADINA MUSEUM GARAGE REHABILITATION AND SITE ACCESSIBILITY 285 SPADINA RD, TORONTO, ON M5R2V5	
Drawing title GENERAL NOTES, LEGENDS AND SCHEDULES	
Scale: N.T.S.	Project No. 22626
Designer: N.J.	Date: 2023/01/25
Drawn by: R.A.	Checked by: R.M.
Drawing file: 22626-E	Client Approval
Revision No. 0	Drawing No. E-100



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No.	Date	Action
<div><div></div><div>MAT 4SITE ENGINEERS LTD. 620 WILSON AVE., SUITE 300, TORONTO, ON M5K 1Z3 PHONE: 416-229-6574 FAX: 416-229-4105</div></div>		
<div><div>Orientation</div><div>Stamp</div></div>		
Project Name and Address: SPADINA MUSEUM GARAGE REHABILITATION AND SITE ACCESSIBILITY 285 SPADINA RD, TORONTO, ON M5R2V5		
Drawing title SITE PLAN – ELECTRICAL		
Scale: N.T.S.	Project No. 22626	
Designer: N.J.	Date: 2023/01/25	
Drawn by: R.A.	Checked by: R.M.	
Drawing file: 22626-E	Client Approval	
Revision No. 0	Drawing No. E-101	

1 SITE PLAN - POWER & SYSTEMS - MODIFICATION
E-101 NTS

- POWER - GENERAL NOTES:
- THESE GENERAL NOTES APPLY TO ALL POWER DRAWINGS.
 - ALL MODIFICATIONS TO THE FIRE ALARM SYSTEM SHALL BE COMPLETED BY THE BASE BUILDING FIRE ALARM CONTRACTOR/VENDOR/MANUFACTURER. NEW FIRE ALARM DEVICES SHALL MATCH EXISTING. CONNECT NEW FIRE ALARM DEVICES TO EXISTING CIRCUITS WITH SPARE CAPACITY. PROVIDE NEW FIRE ALARM CIRCUITS AS REQUIRED. ALLOW FOR ALL ASSOCIATED COSTS AND ADDITIONAL COMPONENTS INCLUDING, BUT NOT LIMITED TO; ASSOCIATED EQUIPMENT, DEVICES, PROGRAMMING, TESTING, AND VERIFICATION TO MAKE SYSTEM OPERATIONAL AND CODE COMPLIANT. FIRE ALARM SYSTEM SHALL BE INSTALLED AS PER LATEST EDITION OF CAN/ULC-S524. FIRE ALARM VERIFICATION SHALL BE COMPLETED AS PER LATEST EDITION OF CAN/ULC-S537.
 - REWORK AND EXTEND EXISTING FEEDERS, CONDUITS AND JUNCTION BOXES AS REQUIRED TO ACCOMMODATE NEW INSTALLATIONS.
 - REFER TO ARCHITECT'S/INTERIOR DESIGNER'S DRAWINGS FOR MOUNTING HEIGHTS AND COVERPLATE COLOURS.
 - ALLOW FOR SCANNING, X-RAY, AND CORING AS REQUIRED.
 - CONFIRM EXACT POWER REQUIREMENTS AND RECEPTACLE TYPES FOR SPECIAL EQUIPMENT WITH MANUFACTURER PRIOR TO INSTALL. PROVIDE HARDWIRE CONNECTION IN LIEU OF RECEPTACLES OR VICE VERSA, AS REQUIRED.
 - CONFIRM ELECTRICAL REQUIREMENTS AND EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR ROUGH-INS. REFER TO MECHANICAL SHOP DRAWINGS FOR MANUFACTURER'S ELECTRICAL DATA AND INSTALLATION REQUIREMENTS. ADVISE CONSULTANT OF ANY DISCREPANCIES.
 - ALL FINAL CONNECTIONS TO MECHANICAL EQUIPMENT SHALL BE IN LIQUID TIGHT FLEXIBLE CONDUIT.
 - ROUTE ALL CONDUIT SYSTEMS AROUND DUCT WORK, BEAMS, AND PIPING AS REQUIRED TO ACCOMMODATE LAYOUT SHOWN.
 - PROVIDE LABELS FOR ALL RECEPTACLES TO IDENTIFY THE CIRCUIT FEEDING THE RECEPTACLE.
 - PROVIDE UPDATED, TYPE-WRITTEN PANEL DIRECTORIES AFTER COMPLETION OF WORK.

- REFERENCE NOTES:
- EXISTING FIRE ALARM PANEL "MIRCOM FX-2000". CONTRACTOR IS RESPONSIBLE TO SUPPLY AND INSTALL ALL NECESSARY MODULES TO ACCOMMODATE NEW FIRE ALARM DEVICES FROM GARAGE HOUSE.
 - NEW 120/208V INCOMING SERVICE FROM NEW HYDRO TRANSFORMER TO NEW DISCONNECT SWITCH GROUND FLOOR.
 - NEW FIRE ALARM CABLING IN EXISTING CONDUITS IN CEILING SPACE TO MAIN HOUSE FIRE ALARM PANEL.
 - EXISTING SECURITY CABLING/CONDUITS FROM GARAGE HOUSE INTRUSION PANEL TO GREEN HOUSE AND BARN, ARE TO REMAIN.
 - EXISTING POWER CABLING/CONDUITS FROM GARAGE HOUSE MAIN ELECTRICAL PANEL TO GREEN HOUSE AND BARN TO SUIT NEW WORK.
 - NEW DIGITAL SIGNAGE PROVIDED BY OTHERS. KEEP EXISTING POWER CABLES AND CONDUITS, CONNECT NEW SIGNAGE TO THESE EXISTING CABLES, TERMINATE AS REQUIRED.
 - NEW UNDER GROUND COMMUNICATIONS CABLES AND CONDUITS FOR DIGITAL SIGNAGE. COORDINATE EXACT ROUTING OUTDOOR AND INSIDE MAIN-HOUSE ON SITE.
 - EXISTING POWER CABLES AND CONDUITS FOR DIGITAL SIGNAGE TO REMAIN

- FIRE ALARM NOTES:
- PROVIDE ADDITIONAL ANNUNCIATION ZONES FOR A GARAGE HOUSE:
- BASEMENT DEVICES ALARM
 - BASEMENT DEVICES TROUBLE
 - GROUND FLOOR DEVICES ALARM
 - GROUND FLOOR DEVICES TROUBLE
 - SECOND FLOOR DEVICES ALARM
 - SECOND FLOOR DEVICES TROUBLE
 - STAIR ALARM
 - STAIR TROUBLE
 - ELEVATOR SHAFT ALARM
 - ELEVATOR SHAFT TROUBLE

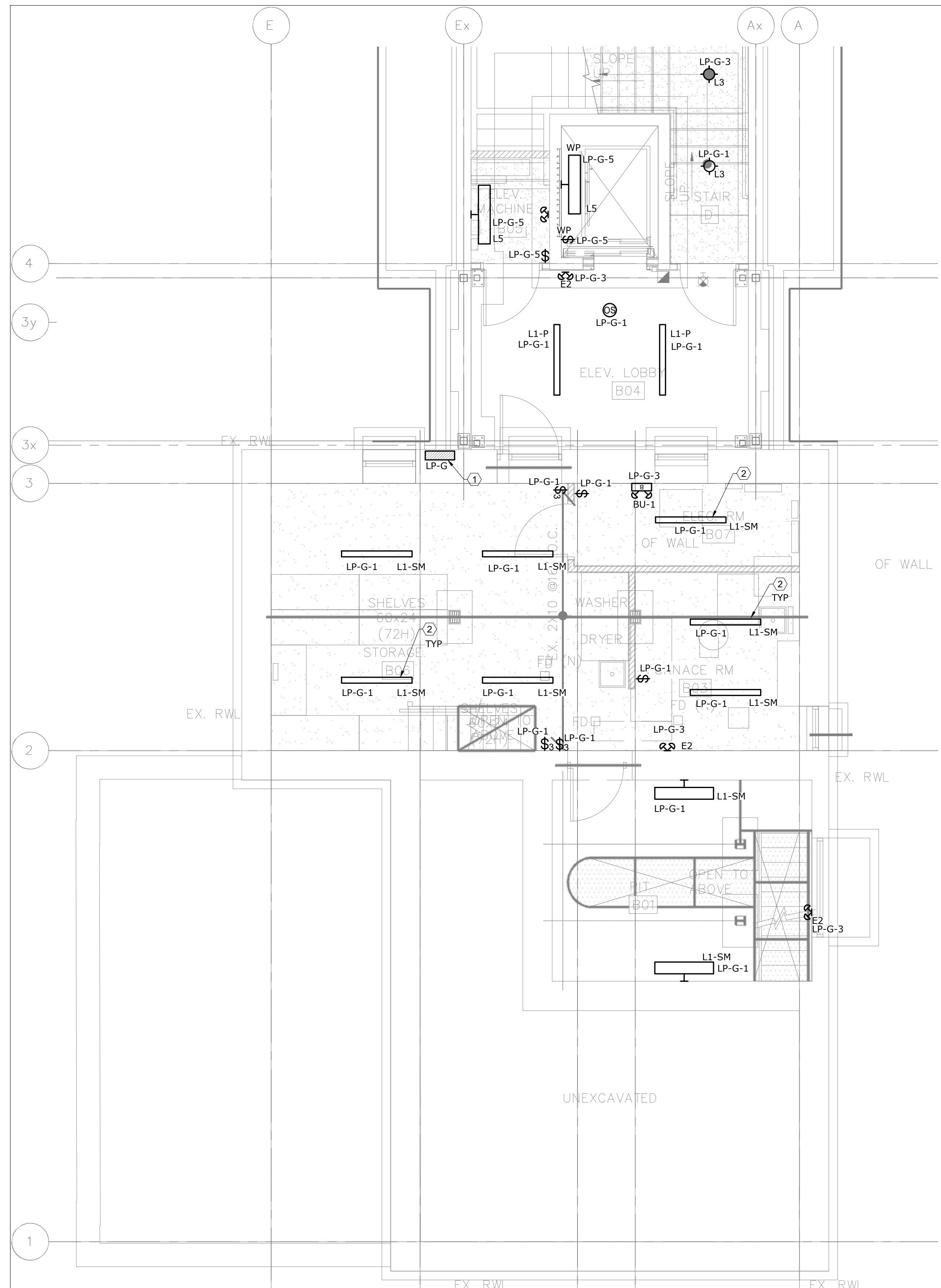
1. THESE GENERAL NOTES APPLY TO ALL DEMO DRAWINGS.
2. REMOVE ALL WIRING, CONDUITS, EQUIPMENT, AND DEVICES NOT REQUIRED, TO SUIT NEW LAYOUT AND MAKE SAFE.
3. REMOVE FLOOR MONUMENTS AND CUT BACK ALL ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE. MAKE GOOD ALL FLOOR PENETRATIONS.
4. ENSURE ALL EXISTING FIRE ALARM CIRCUITS REMAIN AND ARE MADE SAFE FOR USE DURING THE CONSTRUCTION PHASE.
5. ENSURE ALL EXISTING EMERGENCY LIGHTING CIRCUITS AND EXIT LIGHTING CIRCUITS REMAIN AND ARE MADE SAFE FOR USE DURING THE CONSTRUCTION PHASE.

① DISCONNECT AND REMOVE ALL ROMEX WIRING FOR EXISTING CIRCUIT.

1 BASEMENT - LIGHTING - DEMOLITION
E-200 SCALE: 1/4" = 1'-0"

1. THESE GENERAL NOTES APPLY TO ALL LIGHTING DRAWINGS

2. ALL NEW OR RELOCATED RECESSED LUMINAIRES SHALL BE CHAIN HUNG AND SUPPORTED FROM THE SLAB ABOVE. PROVIDE LETTER AS PART OF CLOSE-OUT.
3. EXISTING AND RELOCATED LUMINAIRES SHALL BE RE-LAMPED DUE TO BURNOUT CONDITIONS AND FAULTY BALLASTS SHALL BE REPLACED AS REQUIRED.
4. ENSURE ALL LUMINAIRES ARE CLEAN AND ILLUMINATED AT THE END OF THE PROJECT.
5. REWORK EMERGENCY LIGHTING TO ACHIEVE NEW LAYOUT SHOWN. MEASURE ILLUMINATION AT NIGHT WITH EMERGENCY LIGHTING ONLY, AND PROVIDE DRAWING SHOWING MAXIMUM AND MINIMUM LEVELS TO ENGINEER FOR REVIEW. PROVIDE WRITTEN CONFIRMATION THAT EMERGENCY LIGHTING HAS BEEN INSTALLED AS PER LATEST CONTRACT DOCUMENTS AND LATEST EDITION OF THE ONTARIO BUILDING CODE SECTIONS 3.2.7.3 AND 3.2.7.4. LETTER SHALL BE INCLUDED AS PART OF CLOSE-OUT.
6. EMERGENCY LIGHTING SHALL BE CONNECTED SUCH THAT UNDER NORMAL CONDITIONS, THEY WORK IN CONJUNCTION WITH THE SWITCHING SHOWN. IN THE EVENT OF AN EMERGENCY, THESE LIGHTS ARE TO BE FORCED ON WITH THE USE OF A UL-924 LISTED RELAY. UPON POWER FAILURE, THE RELAY IS TO



2 BASEMENT - LIGHTING - MODIFICATION
E-200 SCALE: 1/4" = 1'-0"

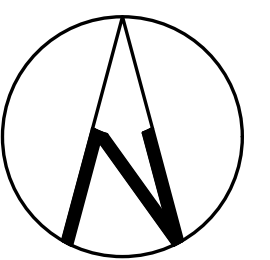
ACTIVATE THE LIGHTS TO FULL BRIGHTNESS.

7. CONNECT NEW EXIT SIGNS TO CLOSEST AVAILABLE EXIT LIGHTING CIRCUIT. CIRCUITS SHALL NOT BE OVERLOADED. ALLOW FOR THREE (3) ADDITIONAL EXIT SIGNS, COMPLETE WITH LABOUR AND MATERIAL! TO BE INSTALLED AS PER BUILDING INSPECTOR'S REQUIREMENTS UPON FINAL INSPECTION.
8. POSITION AND LOCATE EXIT SIGNS AS TO NOT INTERFERE WITH ADJACENT EXIT SIGNS AND EMERGENCY LIGHTING COVERAGE.

③ CONTRACTOR TO PROVIDE CONDUIT/WIRE OR BX CABLE FOR ALL NEW/EXISTING INSTALLATION. INCLUDE ALL ASSOCIATED COSTS.

DO NOT SCALE DRAWINGS.
CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS
OF ANY ERRORS OR OMISSIONS.
NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE
IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL.
ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE
LATEST REVISION.
ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF
MAT 45SITE ENGINEERS LTD.

6	2023/09/29	ISSUED FOR ADDENDUM E-01
5	2023/08/04	ISSUED FOR PERMIT/TENDER
4	2023/07/12	ISSUED FOR 95% REVIEW
3	2023/05/31	ISSUED FOR 50% CD
2	2023/04/26	ISSUED FOR 100% DD
1	2023/04/10	ISSUED FOR 50% DD
No.	Date	Action



Orientation	Stamp
Vertical	Vertical
Horizontal	Horizontal
Diagonal	Diagonal
Other	Other

Project Name and Address:

SPADINA MUSEUM
GARAGE REHABILITATION AND
SITE ACCESSIBILITY
285 SPADINA RD,
TORONTO, ON M5R2V5

Drawing title
BASEMENT – LIGHTING –
DEMOLITION &
MODIFICATION

Scale: 1/4" = 1'-0"	Project No. 22626
Designer: N.J.	Date: 2023/01/25
Drawn by: R.A.	Checked by: R.M.
Drawing file: 22626-F	Client Approval

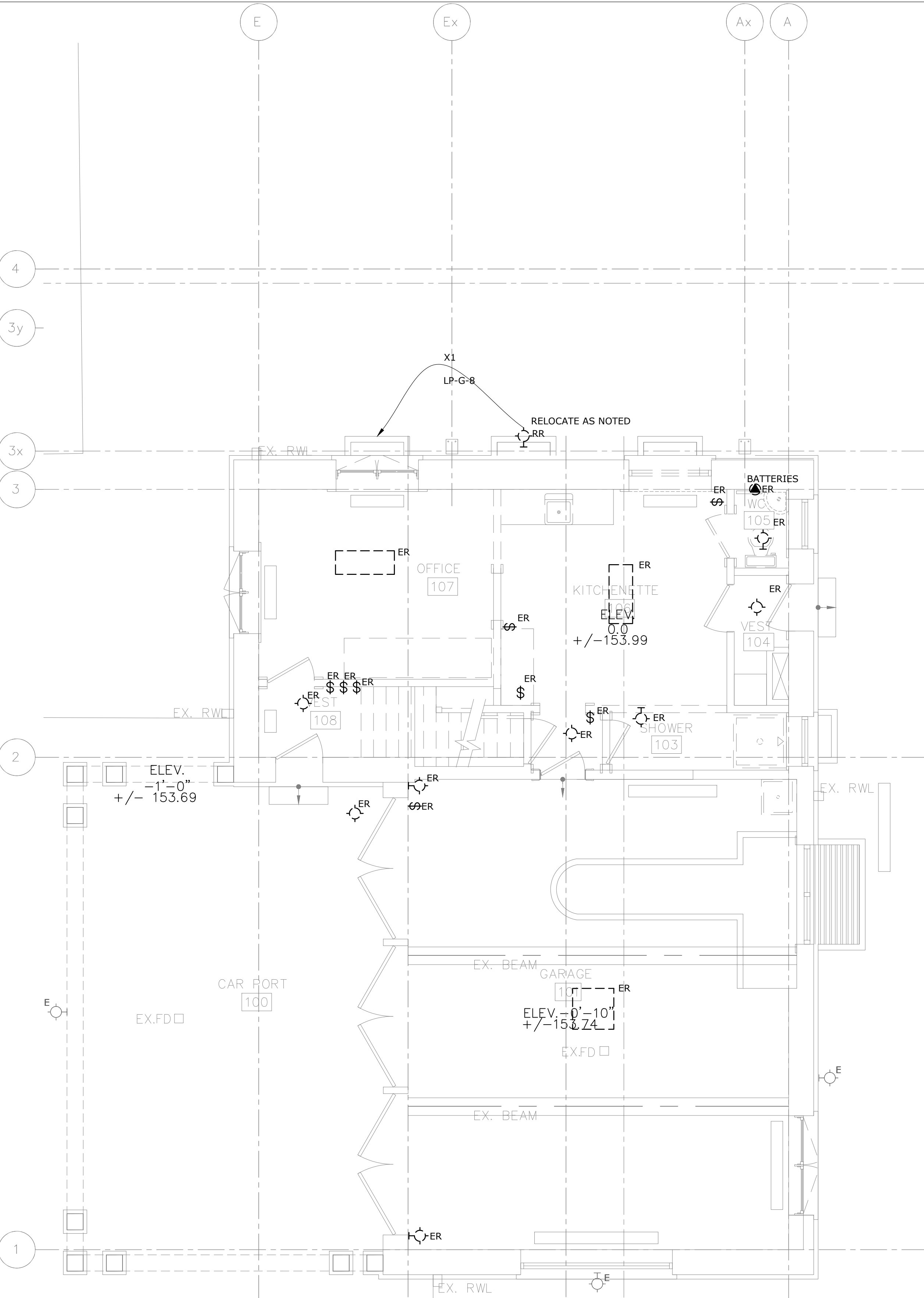
Revision No.	Drawing No.
0	E-200

DEMOLITION - GENERAL NOTES:

- THESE GENERAL NOTES APPLY TO ALL DEMO DRAWINGS.
- REMOVE ALL WIRING, CONDUITS, EQUIPMENT, AND DEVICES NOT REQUIRED, TO SUIT NEW LAYOUT AND MAKE SAFE.
- REMOVE FLOOR MONUMENTS AND CUT BACK ALL ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE. MAKE GOOD ALL FLOOR PENETRATIONS.
- ENSURE ALL EXISTING FIRE ALARM CIRCUITS REMAIN AND ARE MADE SAFE FOR USE DURING THE CONSTRUCTION PHASE.
- ENSURE ALL EXISTING EMERGENCY LIGHTING CIRCUITS AND EXIT LIGHTING CIRCUITS REMAIN AND ARE MADE SAFE FOR USE DURING THE CONSTRUCTION PHASE.

REFERENCE NOTES:

- CONTRACTOR TO REMOVE ALL EXISTING ROMEX CABLE FROM BUILDING AND REPLACE WITH CONDUIT/WIRE OR BX CABLE. INCLUDE ALL ASSOCIATED COSTS.



1 GROUND FLOOR - LIGHTING - DEMOLITION
SCALE: 1/4" = 1'-0"

LIGHTING - GENERAL NOTES:

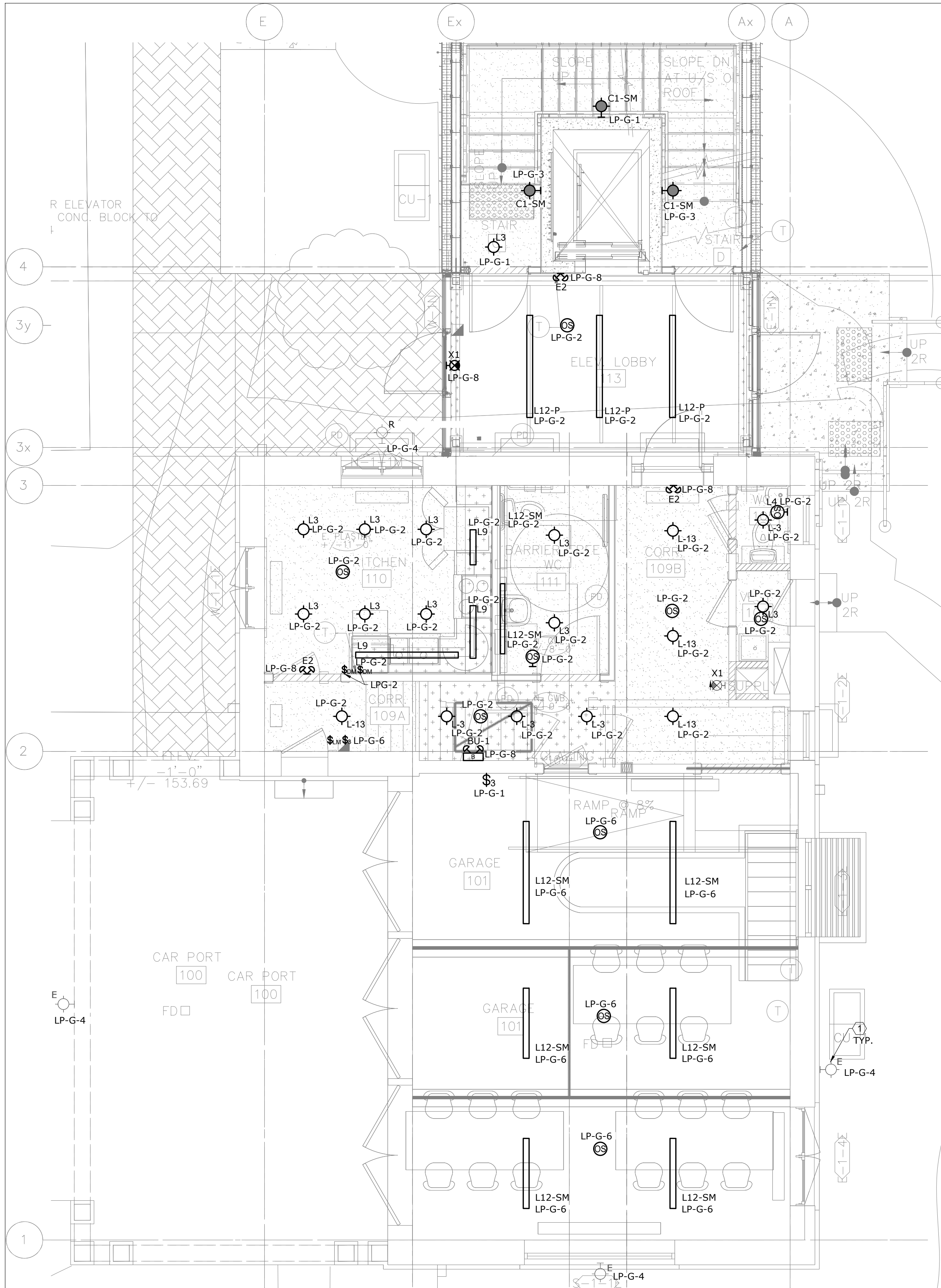
- THESE GENERAL NOTES APPLY TO ALL LIGHTING DRAWINGS.
- ALL NEW OR RELOCATED RECESSED LUMINAIRES SHALL BE CHAIN HUNG AND SUPPORTED FROM THE SLAB ABOVE. PROVIDE LETTER AS PART OF CLOSE-OUT.
- EXISTING AND RELOCATED LUMINAIRES SHALL BE RE-LAMPED DUE TO BURNOUT CONDITIONS AND FAULTY BALLASTS SHALL BE REPLACED AS REQUIRED.
- ENSURE ALL LUMINAIRES ARE CLEAN AND ILLUMINATED AT THE END OF THE PROJECT.
- REWORK EMERGENCY LIGHTING TO ACHIEVE NEW LAYOUT SHOWN. MEASURE ILLUMINATION AT NIGHT WITH EMERGENCY LIGHTING ONLY, AND PROVIDE DRAWING SHOWING MAXIMUM AND MINIMUM LEVELS TO ENGINEER FOR REVIEW. PROVIDE WRITTEN CONFIRMATION THAT EMERGENCY LIGHTING HAS BEEN INSTALLED AS PER LATEST CONTRACT DOCUMENTS AND LATEST EDITION OF THE ONTARIO BUILDING CODE SECTIONS 3.2.7.3 AND 3.2.7.4. LETTER SHALL BE INCLUDED AS PART OF CLOSE-OUT.
- EMERGENCY LIGHTING SHALL BE CONNECTED SUCH THAT UNDER NORMAL CONDITIONS, THEY WORK IN CONJUNCTION WITH THE SWITCHING SHOWN. IN THE EVENT OF AN EMERGENCY, THESE LIGHTS ARE TO BE FORCED ON WITH THE USE OF A UL-924 LISTED RELAY. UPON POWER FAILURE, THE RELAY IS TO ACTIVATE THE LIGHTS TO FULL BRIGHTNESS.

LIGHTING - GENERAL NOTES: (CONTINUE)

- CONNECT NEW EXIT SIGNS TO CLOSEST AVAILABLE EXIT LIGHTING CIRCUIT. CIRCUITS SHALL NOT BE OVERLOADED. ALLOW FOR THREE (3) ADDITIONAL EXIT SIGNS, COMPLETE WITH LABOUR AND MATERIALS, TO BE INSTALLED AS PER BUILDING INSPECTOR'S REQUIREMENTS UPON FINAL INSPECTION.
- POSITION AND LOCATE EXIT SIGNS AS TO NOT INTERFERE WITH ADJACENT EXIT SIGNS AND EMERGENCY LIGHTING COVERAGE.
- ALL EXTERIOR LIGHTING TO BE CONTROLLED BY THE PHOTO CELL.

REFERENCE NOTES:

- EXISTING LIGHT FIXTURE TO REMAIN. KEEP EXISTING WIRING AND CONDUIT BACK TO PANEL, TERMINATE AS REQUIRED TO NEW LIGHTING PANEL IN BASEMENT. CONNECT TO NEW CIRCUIT AS INDICATED.
- EXISTING LIGHTING FIXTURE IN RELOCATED LOCATION, RE-ROUTE EXISTING WIRES AND CONDUITS TO MATCH NEW LOCATION. CONNECT TO NEW CIRCUIT AS INDICATED.
- PROVIDE CONDUIT/WIRE OR BX CABLE FOR ALL NEW/EXISTING LIGHT FIXTURES. INCLUDE ALL ASSOCIATED COSTS.



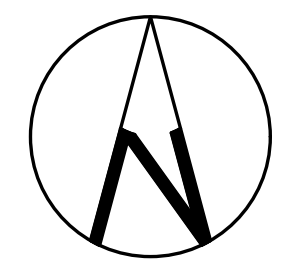
2 GROUND FLOOR - LIGHTING - MODIFICATION
SCALE: 1/4" = 1'-0"

DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS. NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF MAT 4SITE ENGINEERS LTD.

6	2023/09/29	ISSUED FOR ADDENDUM E-01
5	2023/08/04	ISSUED FOR PERMIT/TENDER
4	2023/07/12	ISSUED FOR 95% REVIEW
3	2023/05/31	ISSUED FOR 50% CD
2	2023/04/26	ISSUED FOR 100% DD
1	2023/04/10	ISSUED FOR 50% DD

No. Date Action

MAT 4SITE ENGINEERS LTD.
620 WILSON AVE., SUITE 300, TORONTO, ON M6K 1Z3
PHONE: 416-229-6574 FAX: 416-229-4105



Orientation Stamp

Project Name and Address:

**SPADINA MUSEUM
GARAGE REHABILITATION AND
SITE ACCESSIBILITY**
285 SPADINA RD,
TORONTO, ON M5R2V5

Drawing title
**GROUND FLOOR –
LIGHTING – DEMOLITION &
MODIFICATION**

Scale: 1/4" = 1'-0"	Project No. 22626
Designer: N.J.	Date: 2023/01/25
Drawn by: R.A.	Checked by: R.M.
Drawing file: 22626-E	Client Approval

Revision No. 0	Drawing No. E-201
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1. THESE GENERAL NOTES APPLY TO ALL DEMO DRAWINGS.
2. REMOVE ALL WIRING, CONDUITS, EQUIPMENT, AND DEVICES NOT REQUIRED, TO SUIT NEW LAYOUT AND MAKE SAFE.
3. REMOVE FLOOR MONUMENTS AND CUT BACK ALL ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE. MAKE GOOD ALL FLOOR PENETRATIONS.
4. ENSURE ALL EXISTING FIRE ALARM CIRCUITS REMAIN AND ARE MADE SAFE FOR USE DURING THE CONSTRUCTION PHASE.
5. ENSURE ALL EXISTING EMERGENCY LIGHTING CIRCUITS AND EXIT LIGHTING CIRCUITS REMAIN AND ARE MADE SAFE FOR USE DURING THE CONSTRUCTION PHASE.

1 CONTRACTOR TO REMOVE ALL EXISTING ROMEX CABLE FROM BUILDING AND REPLACE WITH CONDUIT/WIRE OR BX CABLE. INCLUDE ALL ASSOCIATED COSTS.



1. THESE GENERAL NOTES APPLY TO ALL LIGHTING DRAWINGS.
2. ALL NEW OR RELOCATED RECESSED LUMINAIRES SHALL BE CHAIN HUNG AND SUPPORTED FROM THE SLAB ABOVE. PROVIDE LETTER AS PART OF CLOSE-OUT.
3. EXISTING AND RELOCATED LUMINAIRES SHALL BE RE-LAMPED DUE TO BURNOUT CONDITIONS AND FAULTY BALLASTS SHALL BE REPLACED AS REQUIRED.
4. ENSURE ALL LUMINAIRES ARE CLEAN AND ILLUMINATED AT THE END OF THE PROJECT.
5. REWORK EMERGENCY LIGHTING TO ACHIEVE NEW LAYOUT SHOWN. MEASURE ILLUMINATION AT NIGHT WITH EMERGENCY LIGHTING ONLY, AND PROVIDE DRAWING SHOWING MAXIMUM AND MINIMUM READINGS TO ENGINEER FOR REVIEW. PROVIDE WRITTEN CONFIRMATION THAT EMERGENCY LIGHTING HAS BEEN INSTALLED AS PER LATEST CONTRACT DOCUMENTS AND LATEST EDITION OF THE ONTARIO BUILDING CODE SECTIONS 3.2.7.3 AND 3.2.7.4. LETTER SHALL BE INCLUDED AS PART OF CLOSE-OUT.

6. EMERGENCY LIGHTING SHALL BE CONNECTED SUCH THAT UNDER NORMAL CONDITIONS, THEY WORK IN CONJUNCTION WITH THE SWITCHING SHOWN. IN THE EVENT OF AN EMERGENCY, THESE LIGHTS ARE TO BE FORCED ON WITH THE USE OF A 0.924 LISTED RELAY. IN THE EVENT OF A POWER FAILURE, THE RELAY IS TO ACTIVATE THE LIGHTS TO FULL BRIGHTNESS.
7. CONNECT NEW EXIT SIGNS TO CLOSEST AVAILABLE EXIT LIGHTING CIRCUIT. CIRCUITS SHALL NOT BE OVERLOADED. ALLOW FOR THREE (3) ADDITIONAL EXIT SIGNS, COMPLETE WITH LABOUR AND MATERIALS, TO BE INSTALLED AS PER BUILDING INSPECTOR'S REQUIREMENTS UPON FINAL INSPECTION.

② PROVIDE NEW CONDUIT/WIRE OR BX CABLE FOR ALL NEW/ EXISTING LIGHT
FIXTURE. INCLUDE ALL ASSOCIATED COSTS.



6	2023/09/29	ISSUED FOR ADDENDUM E-01
5	2023/08/04	ISSUED FOR PERMIT/TENDER
4	2023/07/12	ISSUED FOR 95% REVIEW
3	2023/05/31	ISSUED FOR 50% CD
2	2023/04/26	ISSUED FOR 100% DD
1	2023/04/10	ISSUED FOR 50% DD
No.	Date	Action



Project Name and Address:

SPADINA MUSEUM
GARAGE REHABILITATION AND
SITE ACCESSIBILITY
285 SPADINA RD,
TORONTO, ON M5R2V5

Drawing title
SECOND FLOOR –
LIGHTING – DEMOLITION &
MODIFICATION

Scale: 1/4" = 1'-0"	Project No. 22626
Designer: N.J.	Date: 2023/01/21
Drawn by: R.A.	Checked by: R.M.
Drawing file: 22626-F	Client Approval

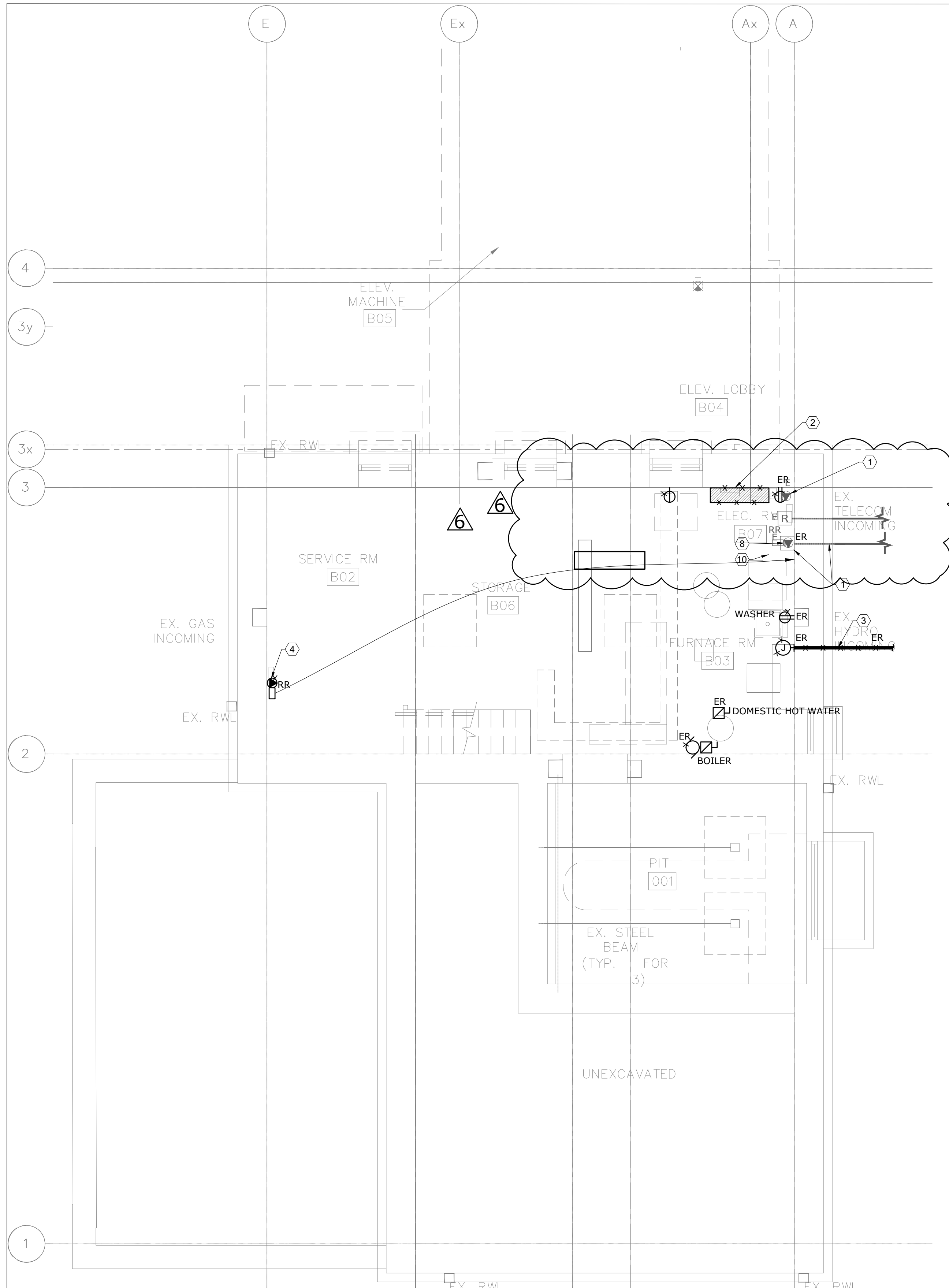
Revision No.	Drawing No.
0	E-202

DEMOLITION - GENERAL NOTES:

1. THESE GENERAL NOTES APPLY TO ALL DEMO DRAWINGS.
2. REMOVE ALL WIRING, CONDUITS, EQUIPMENT, AND DEVICES NOT REQUIRED, TO SUIT NEW LAYOUT AND MAKE SAFE.
3. REMOVE FLOOR MONUMENTS AND CUT BACK ALL ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE. MAKE GOOD ALL FLOOR PENETRATIONS.
4. ENSURE ALL EXISTING FIRE ALARM CIRCUITS REMAIN AND ARE MADE SAFE FOR USE DURING THE CONSTRUCTION PHASE.
5. ENSURE ALL EXISTING EMERGENCY LIGHTING CIRCUITS AND EXIT LIGHTING CIRCUITS REMAIN AND ARE MADE SAFE FOR USE DURING THE CONSTRUCTION PHASE.

REFERENCE NOTES:

- ① INCOMING COMMUNICATIONS SERVICES AND BIX BLOCK TO REMAIN
- ② EXISTING 120/208V PANEL FED FROM MAIN HOUSE PANEL TO BE REMOVED WITH ALL ASSOCIATED CABLES AND CONDUITS BACK TO SOURCE.
- ③ EXISTING 120/208V INCOMING SERVICE FROM MAIN HOUSE TO BE REMOVED WITH ALL ASSOCIATED COMPONENTS BACK TO SOURCE.
- ④ EXISTING SECURITY EQUIPMENT TO BE RELOCATED.
- ⑤ DISCONNECT AND REMOVE ALL ROMEX WIRE AND REPLACE WITH CONDUIT/WIRE OR BX CABLE. INCLUDE ALL ASSOCIATED COSTS.



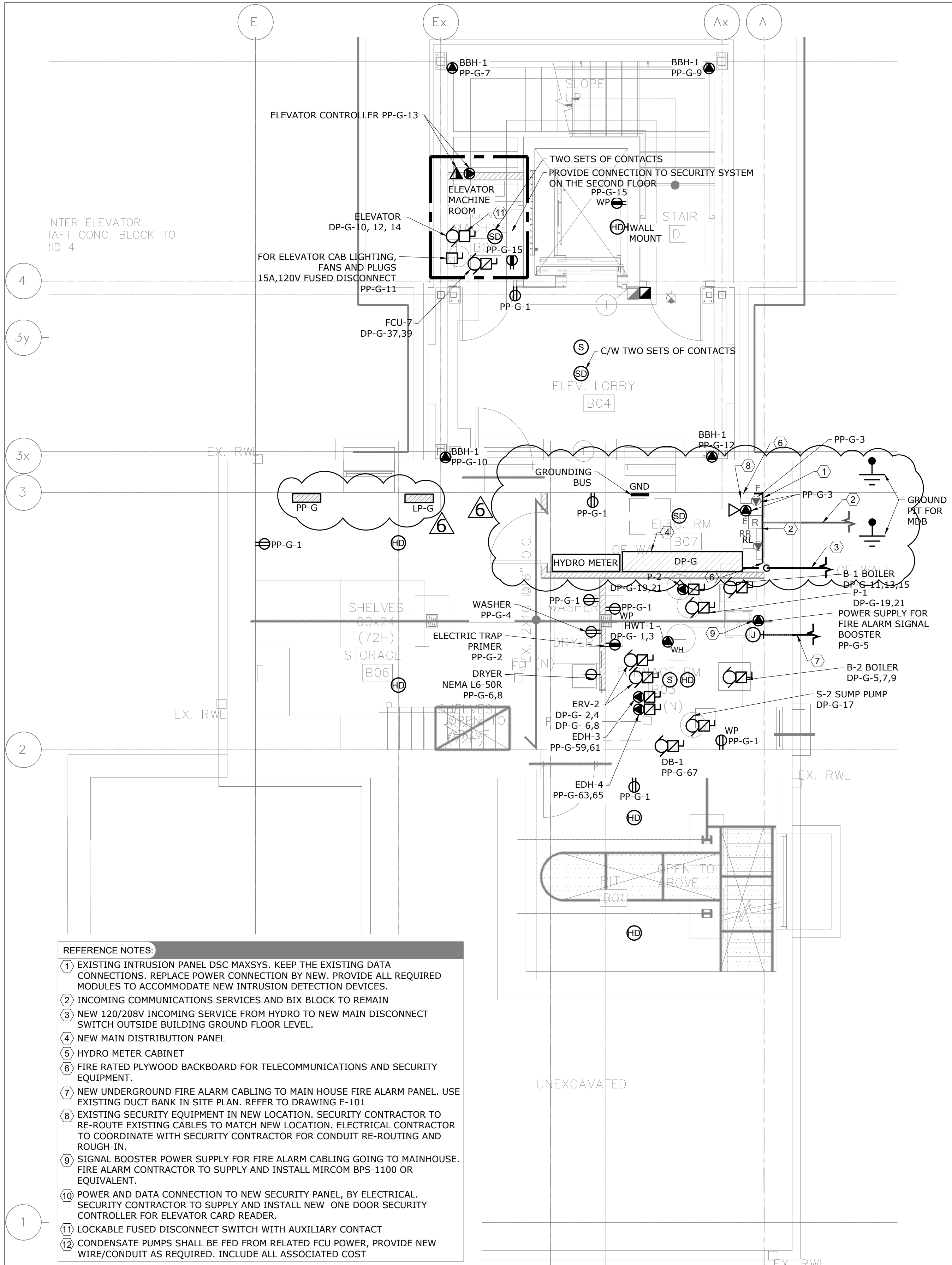
1 BASEMENT - POWER & SYSTEMS - DEMOLITION
E-300 SCALE: 1/4" = 1'-0"

POWER - GENERAL NOTES:

1. THESE GENERAL NOTES APPLY TO ALL POWER DRAWINGS.
2. REWORK AND EXTEND EXISTING FEEDERS, CONDUITS AND JUNCTION BOXES AS REQUIRED TO ACCOMMODATE NEW INSTALLATIONS.
3. REFER TO ARCHITECT'S/INTERIOR DESIGNER'S DRAWINGS FOR MOUNTING HEIGHTS AND COVERPLATE COLOURS.
4. ALLOW FOR SCANNING, X-RAY, AND CORING AS REQUIRED.
5. CONFIRM EXACT POWER REQUIREMENTS AND RECEPTACLE TYPES FOR SPECIAL EQUIPMENT WITH MANUFACTURER PRIOR TO INSTALL. PROVIDE HARDWIRE CONNECTION IN LIEU OF RECEPTACLES OR VICE VERSA, AS REQUIRED.
6. CONFIRM ELECTRICAL REQUIREMENTS AND EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR ROUGH-INS. REFER TO MECHANICAL SHOP DRAWINGS FOR MANUFACTURER'S ELECTRICAL DATA AND INSTALLATION REQUIREMENTS. ADVISE CONSULTANT OF ANY DISCREPANCIES.

POWER - GENERAL NOTES:

7. ALL FINAL CONNECTIONS TO MECHANICAL EQUIPMENT SHALL BE IN LIQUID TIGHT FLEXIBLE CONDUIT.
8. ROUTE ALL CONDUIT SYSTEMS AROUND DUCT WORK, BEAMS, AND PIPING AS REQUIRED TO ACCOMMODATE LAYOUT SHOWN.
9. PROVIDE LABELS FOR ALL RECEPTACLES TO IDENTIFY THE CIRCUIT FEEDING THE RECEPTACLE.
10. PROVIDE UPDATED, TYPE-WRITTEN PANEL DIRECTORIES AFTER COMPLETION OF WORK.
11. ALL FIRE ALARM DEVICES TO MATCH EXISTING IN THE MAIN HOUSE.
12. PROVIDE NEW CONDUIT/WIRE OR BX CABLE FOR ALL NEW AND EXISTING POWER EQUIPMENTS, RECEPTACLE. INCLUDE ALL ASSOCIATED COSTS.



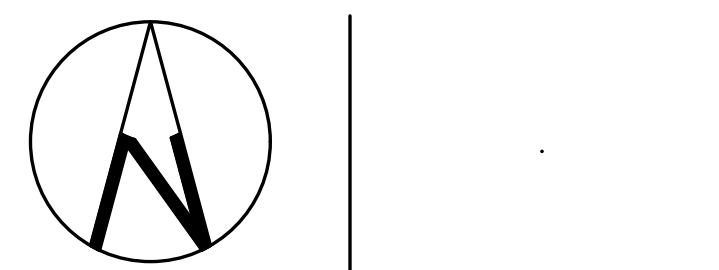
2 BASEMENT - POWER & SYSTEMS - MODIFICATION
E-300 SCALE: 1/4" = 1'-0"

DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS. NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF MAT 4SITE ENGINEERS LTD.

6	2023/09/29	ISSUED FOR ADDENDUM E-01
5	2023/08/04	ISSUED FOR PERMIT/TENDER
4	2023/07/12	ISSUED FOR 95% REVIEW
3	2023/05/31	ISSUED FOR 50% CD
2	2023/04/26	ISSUED FOR 100% DD
1	2023/04/10	ISSUED FOR 50% DD

No.	Date	Action
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MAT 4SITE ENGINEERS LTD.
620 WILSON AVE., SUITE 300, TORONTO, ON M6K 1Z3
PHONE: 416-229-6574 FAX: 416-229-4105



Orientation Stamp

Project Name and Address:
**SPADINA MUSEUM
GARAGE REHABILITATION AND
SITE ACCESSIBILITY**
285 SPADINA RD,
TORONTO, ON M5R2V5

Drawing title
**BASEMENT – POWER &
SYSTEMS – DEMOLITION &
MODIFICATION**

Scale: 1/4" = 1'-0"	Project No. 22626
Designer: N.J.	Date: 2023/01/25
Drawn by: R.A.	Checked by: R.M.
Drawing file: 22626-E	Client Approval

Revision No. 0	Drawing No. E-300
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DEMOLITION - GENERAL NOTES:

1. THESE GENERAL NOTES APPLY TO ALL DEMO DRAWINGS.
2. REMOVE ALL WIRING, CONDUITS, EQUIPMENT, AND DEVICES NOT REQUIRED, TO SUIT NEW LAYOUT AND MAKE SAFE.
3. REMOVE FLOOR MONUMENTS AND CUT BACK ALL ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE. MAKE GOOD ALL FLOOR PENETRATIONS.
4. ENSURE ALL EXISTING FIRE ALARM CIRCUITS REMAIN AND ARE MADE SAFE FOR USE DURING THE CONSTRUCTION PHASE.
5. ENSURE ALL EXISTING EMERGENCY LIGHTING CIRCUITS AND EXIT LIGHTING CIRCUITS REMAIN AND ARE MADE SAFE FOR USE DURING THE CONSTRUCTION PHASE.

REFERENCE NOTES:

- 1 ALL POWER RECEPTACLES IN THIS AREA TO BE REMOVED
- 2 EXISTING DOOR SWITCH, SECURITY CONTRACTOR TO REMOVE THE DOOR CONTACT, RE-INSTALL IT AFTER COMPLETION OF CONSTRUCTION, AND TERMINATE AS REQUIRED. KEEP EXISTING WIRING AND CONDUITS BACK TO EXISTING INTRUSION PANEL IN BASEMENT.
- 3 EXISTING BASEBOARD HEATER POWER CONNECTIONS TO BE REMOVED WITH ALL ASSOCIATED COMPONENTS.
- 4 EXISTING POWER CONNECTION TO EXHAUST FAN TO BE REMOVED.

POWER - GENERAL NOTES:

1. THESE GENERAL NOTES APPLY TO ALL POWER DRAWINGS.
2. ALL MODIFICATIONS TO THE FIRE ALARM SYSTEM SHALL BE COMPLETED BY THE BASE BUILDING FIRE ALARM CONTRACTOR/VENDOR/MANUFACTURER. NEW FIRE ALARM DEVICES SHALL MATCH EXISTING. CONNECT NEW FIRE ALARM DEVICES TO EXISTING CIRCUITS WITH SPARE CAPACITY. PROVIDE NEW FIRE ALARM CIRCUITS AS REQUIRED. ALLOW FOR ALL ASSOCIATED COSTS AND ADDITIONAL COMPONENTS INCLUDING, BUT NOT LIMITED TO; ASSOCIATED EQUIPMENT, DEVICES, PROGRAMMING, TESTING, AND VERIFICATION TO MAKE SYSTEM OPERATIONAL AND CODE COMPLIANT. FIRE ALARM SYSTEM SHALL BE INSTALLED AS PER LATEST EDITION OF CAN/ULC-S524. FIRE ALARM VERIFICATION SHALL BE COMPLETED AS PER LATEST EDITION OF CAN/ULC-S537.
3. REWORK AND EXTEND EXISTING FEEDERS, CONDUITS AND JUNCTION BOXES AS REQUIRED TO ACCOMMODATE NEW INSTALLATIONS.
4. REFER TO ARCHITECT'S/INTERIOR DESIGNER'S DRAWINGS FOR MOUNTING HEIGHTS AND COVERPLATE COLOURS.

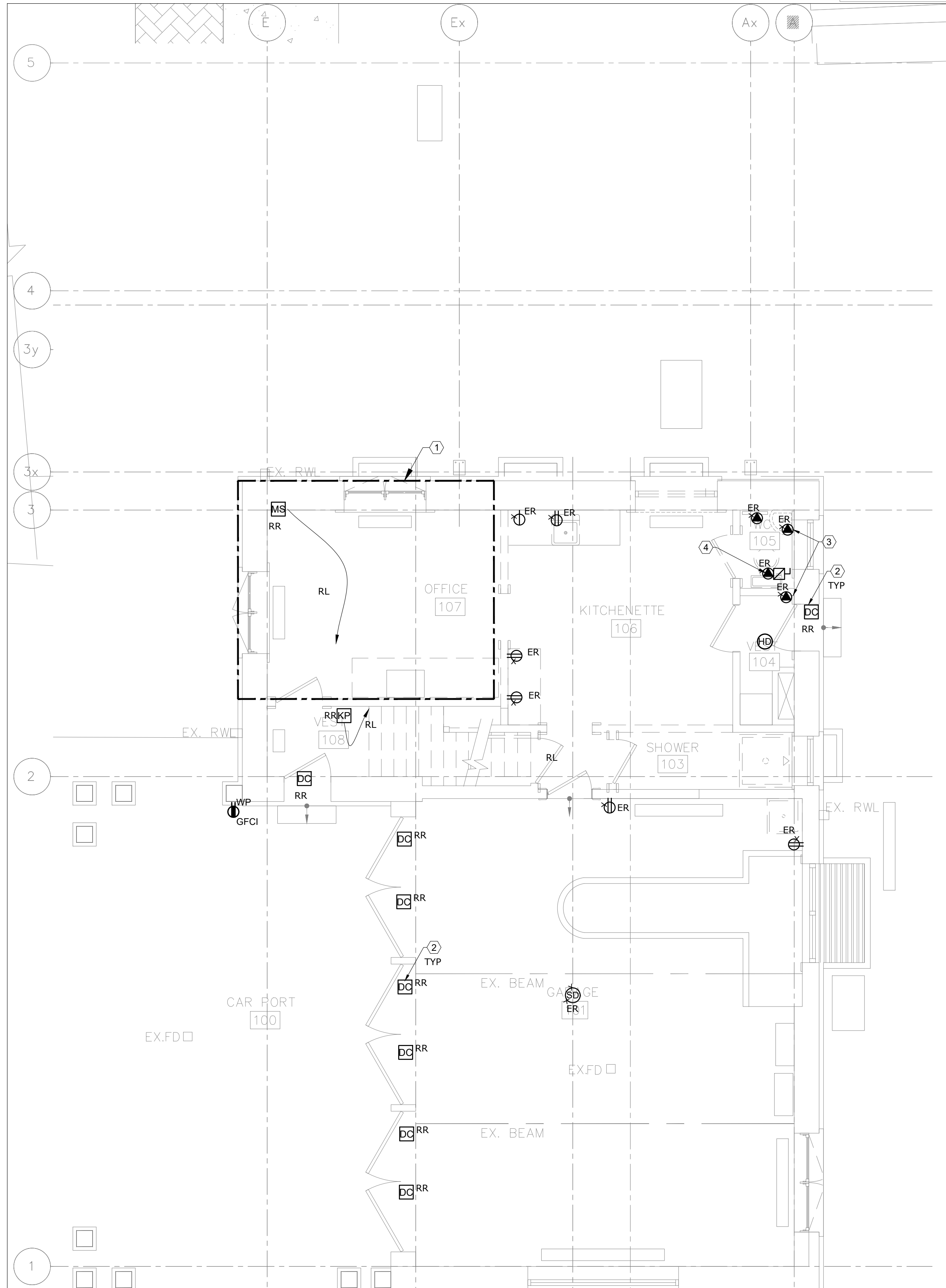
POWER - GENERAL NOTES: (CONTINUE)

5. ALLOW FOR SCANNING, X-RAY, AND CORING AS REQUIRED.
6. CONFIRM EXACT POWER REQUIREMENTS AND RECEPTACLE TYPES FOR SPECIAL EQUIPMENT WITH MANUFACTURER PRIOR TO INSTALL. PROVIDE HARDWIRE CONNECTION IN LIEU OF RECEPTACLES OR VICE VERSA, AS REQUIRED.
7. CONFIRM ELECTRICAL REQUIREMENTS AND EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR ROUGH-INS. REFER TO MECHANICAL SHOP DRAWINGS FOR MANUFACTURER'S ELECTRICAL DATA AND INSTALLATION REQUIREMENTS. ADVISE CONSULTANT OF ANY DISCREPANCIES.
8. ALL FINAL CONNECTIONS TO MECHANICAL EQUIPMENT SHALL BE IN LIQUID TIGHT FLEXIBLE CONDUIT.
9. ROUTE ALL CONDUIT SYSTEMS AROUND DUCT WORK, BEAMS, AND PIPING AS REQUIRED TO ACCOMMODATE LAYOUT SHOWN.

POWER - GENERAL NOTES: (CONTINUE)

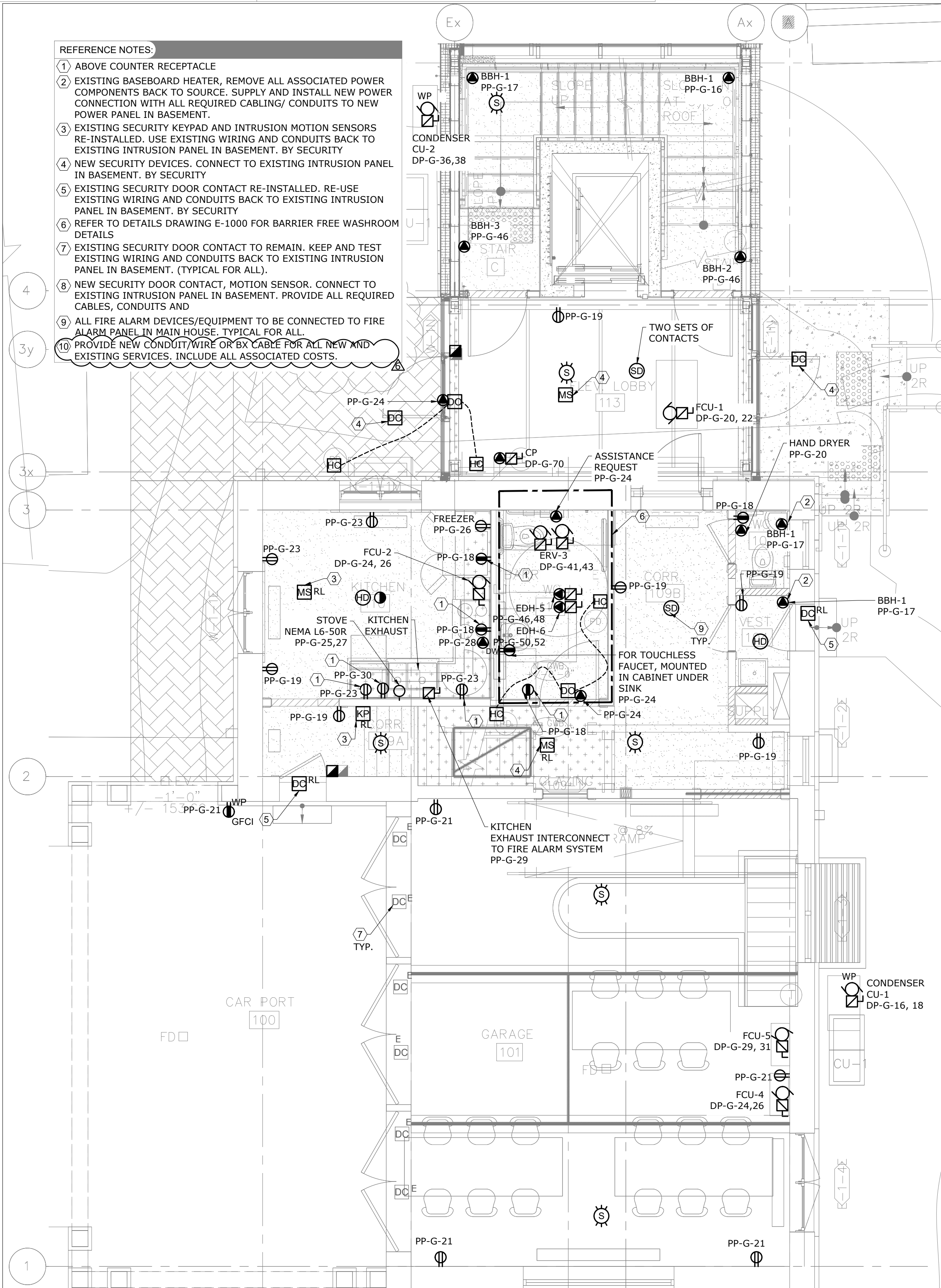
10. PROVIDE LABELS FOR ALL RECEPTACLES TO IDENTIFY THE CIRCUIT FEEDING THE RECEPTACLE.
11. PROVIDE UPDATED, TYPE-WRITTEN PANEL DIRECTORIES AFTER COMPLETION OF WORK.
12. ALL FIRE ALARM DEVICES TO MATCH EXISTING IN THE MAIN HOUSE.

DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS. NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF MAT 4SITE ENGINEERS LTD.



1 GROUND FLOOR - POWER & SYSTEMS - DEMOLITION

E-301 SCALE: 1/4" = 1'-0"



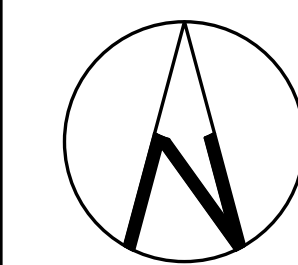
2 GROUND FLOOR - POWER & SYSTEMS - MODIFICATION

E-301 SCALE: 1/4" = 1'-0"

6	2023/09/29	ISSUED FOR ADDENDUM E-01
5	2023/08/04	ISSUED FOR PERMIT/TENDER
4	2023/07/12	ISSUED FOR 95% REVIEW
3	2023/05/31	ISSUED FOR 50% CD
2	2023/04/26	ISSUED FOR 100% DD
1	2023/04/10	ISSUED FOR 50% DD

No. Date Action

MAT 4SITE ENGINEERS LTD.
620 WILSON AVE., SUITE 300, TORONTO, ON M6K 1Z3
PHONE: 416-229-6574 FAX: 416-229-4105



Orientation Stamp

Project Name and Address:

**SPADINA MUSEUM
GARAGE REHABILITATION AND
SITE ACCESSIBILITY**
285 SPADINA RD,
TORONTO, ON M5R2V5

Drawing title
**GROUND FLOOR - POWER
& SYSTEMS - DEMOLITION
& MODIFICATION**

Scale:
1/4" = 1'-0"Project No.
22626Designer:
N.J.Date:
2023/01/25Drawn by:
R.A.Checked by:
R.M.Drawing file:
22626-E

Client Approval

Revision No.

0

Drawing No.

E-301

DEMOLITION - GENERAL NOTES:

1. THESE GENERAL NOTES APPLY TO ALL DEMO DRAWINGS.
2. REMOVE ALL WIRING, CONDUITS, EQUIPMENT, AND DEVICES NOT REQUIRED, TO SUIT NEW LAYOUT AND MAKE SAFE.
3. REMOVE FLOOR MONUMENTS AND CUT BACK ALL ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE. MAKE GOOD ALL FLOOR PENETRATIONS.
4. ENSURE ALL EXISTING FIRE ALARM CIRCUITS REMAIN AND ARE MADE SAFE FOR USE DURING THE CONSTRUCTION PHASE.
5. ENSURE ALL EXISTING EMERGENCY LIGHTING CIRCUITS AND EXIT LIGHTING CIRCUITS REMAIN AND ARE MADE SAFE FOR USE DURING THE CONSTRUCTION PHASE.

REFERENCE NOTES:

- 1 EXISTING NETWORK RACK TO REMAIN. KEEP ALL ASSOCIATED COMPONENTS. PROVIDE NEW POWER CONNECTION AS INDICATED ON DRAWING.
- 2 EXISTING WIRELESS ACCESS POINT TO REMAIN. KEEP ALL ASSOCIATED COMPONENTS.
- 3 EXISTING INTRUSION MOTION SENSOR. SECURITY TO RELOCATE, RE-ROUTE EXISTING WIRING TO MATCH NEW LOCATION. ELECTRICAL TO COORDINATE WITH SECURITY FOR RE-ROUTING OF CONDUITS.

POWER - GENERAL NOTES:

1. THESE GENERAL NOTES APPLY TO ALL POWER DRAWINGS.
2. ALL MODIFICATIONS TO THE FIRE ALARM SYSTEM SHALL BE COMPLETED BY THE BASE BUILDING FIRE ALARM CONTRACTOR/VENDOR/MANUFACTURER. NEW FIRE ALARM DEVICES SHALL MATCH EXISTING. CONNECT NEW FIRE ALARM DEVICES TO EXISTING CIRCUITS WITH SPARE CAPACITY. PROVIDE NEW FIRE ALARM CIRCUITS AS REQUIRED. ALLOW FOR ALL ASSOCIATED COSTS AND ADDITIONAL COMPONENTS INCLUDING, BUT NOT LIMITED TO; ASSOCIATED EQUIPMENT, DEVICES, PROGRAMMING, TESTING, AND VERIFICATION TO MAKE SYSTEM OPERATIONAL AND CODE COMPLIANT. FIRE ALARM SYSTEM SHALL BE INSTALLED AS PER LATEST EDITION OF CAN/ULC-S524. FIRE ALARM VERIFICATION SHALL BE COMPLETED AS PER LATEST EDITION OF CAN/ULC-S537.
3. REWORK AND EXTEND EXISTING FEEDERS, CONDUITS AND JUNCTION BOXES AS REQUIRED TO ACCOMMODATE NEW INSTALLATIONS.
4. REFER TO ARCHITECT'S/INTERIOR DESIGNER'S DRAWINGS FOR MOUNTING HEIGHTS AND COVERPLATE COLOURS.

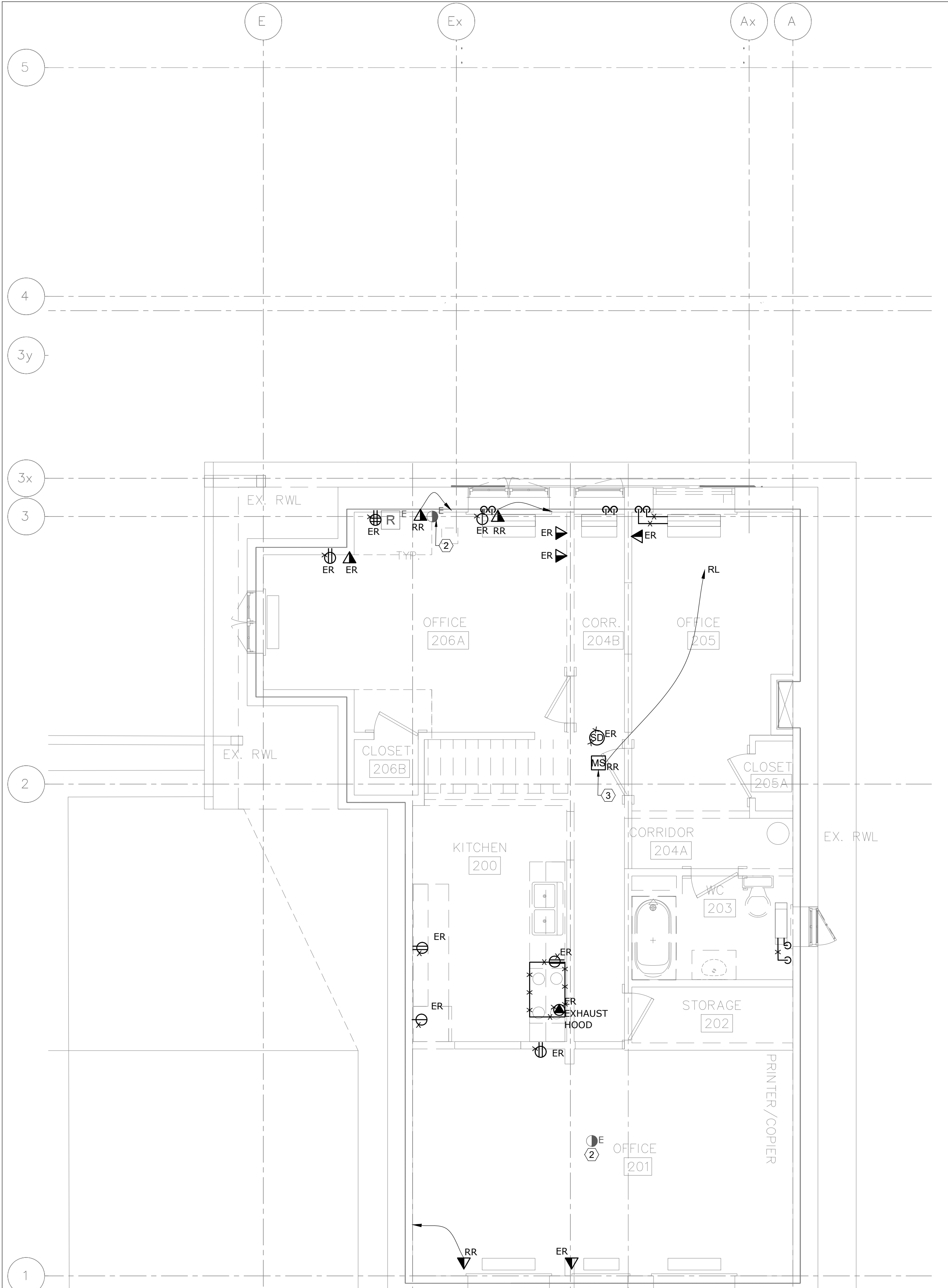
POWER - GENERAL NOTES: (CONTINUE)

5. ALLOW FOR SCANNING, X-RAY, AND CORING AS REQUIRED.
6. CONFIRM EXACT POWER REQUIREMENTS AND RECEPTACLE TYPES FOR SPECIAL EQUIPMENT WITH MANUFACTURER PRIOR TO INSTALL. PROVIDE HARDWIRE CONNECTION IN LIEU OF RECEPTACLES OR VICE VERSA, AS REQUIRED.
7. CONFIRM ELECTRICAL REQUIREMENTS AND EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR ROUGH-INS. REFER TO MECHANICAL SHOP DRAWINGS FOR MANUFACTURER'S ELECTRICAL DATA AND INSTALLATION REQUIREMENTS. ADVISE CONSULTANT OF ANY DISCREPANCIES.
8. ALL FINAL CONNECTIONS TO MECHANICAL EQUIPMENT SHALL BE IN LIQUID TIGHT FLEXIBLE CONDUIT.
9. ROUTE ALL CONDUIT SYSTEMS AROUND DUCT WORK, BEAMS, AND PIPING AS REQUIRED TO ACCOMMODATE LAYOUT SHOWN.

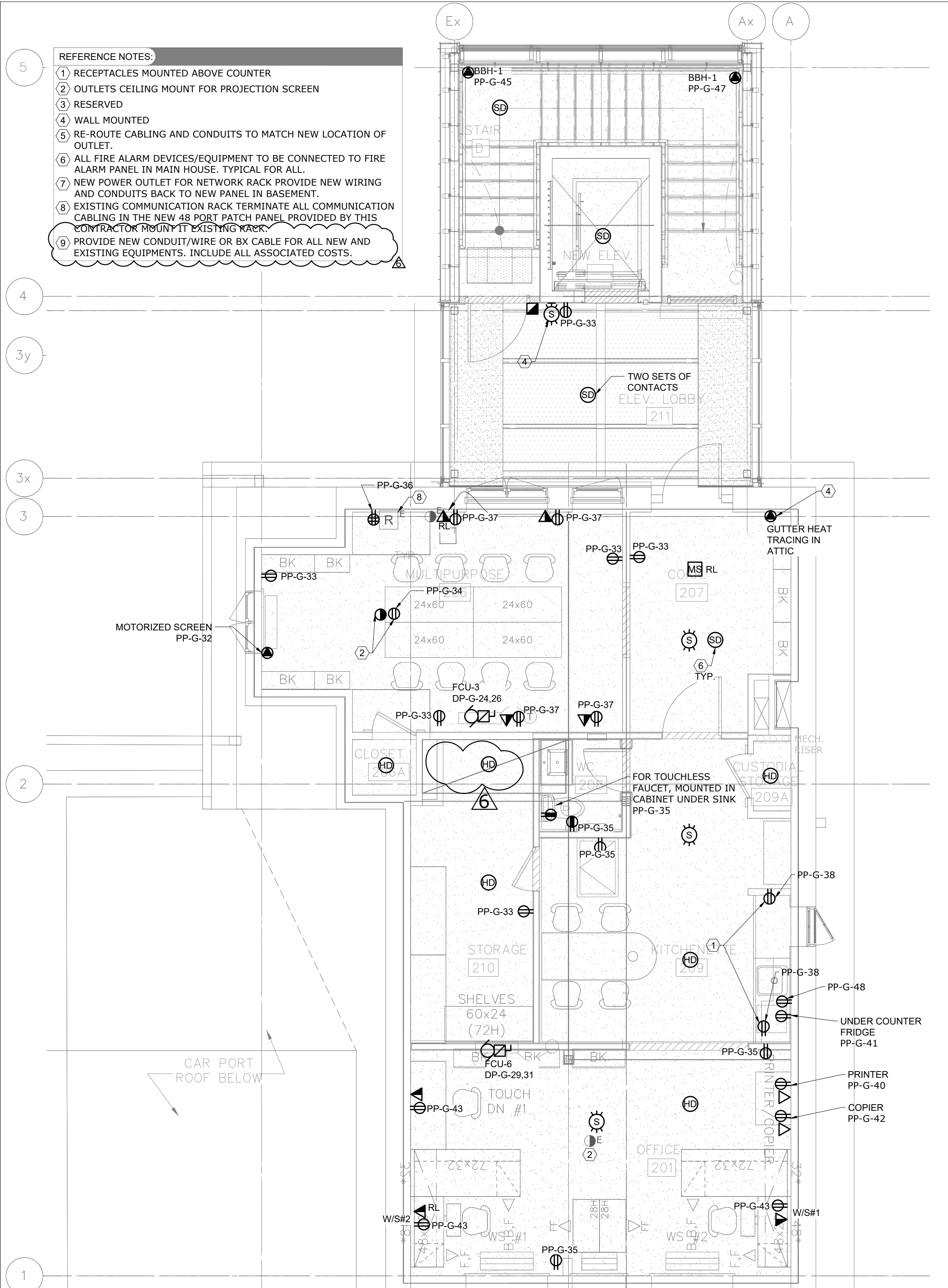
POWER - GENERAL NOTES: (CONTINUE)

10. PROVIDE LABELS FOR ALL RECEPTACLES TO IDENTIFY THE CIRCUIT FEEDING THE RECEPTACLE.
11. PROVIDE UPDATED, TYPE-WRITTEN PANEL DIRECTORIES AFTER COMPLETION OF WORK.
12. PROVIDE FIRE ALARM TIE-IN TO NEW MAGLOCKS SUCH THAT MAGLOCKS RELEASE UPON ACTIVATION OF ANY FIRE ALARM SIGNAL. MAGLOCKS SHALL ALSO RELEASE UPON ACTIVATION OF LOCAL MANUAL PULL STATION THROUGH HARD WIRED CONNECTION DIRECTLY FROM PULL STATION. PROVIDE TIE-IN TO EXISTING RELEASE/RESET KEYSWITCH LOCATED IN THE XXTH FLOOR ELECTRICAL ROOM BESIDE THE FIRE ALARM PANEL. CO-ORDINATE WITH SECURITY CONTRACTOR. FIRE ALARM VERIFICATION.
13. ALL FIRE ALARM DEVICES TO MATCH EXISTING IN THE MAIN HOUSE.

DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS. NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF MAT 4SITE ENGINEERS LTD.



1 SECOND FLOOR - POWER & SYSTEMS - DEMOLITION
E-302 SCALE: 1/4" = 1'-0"

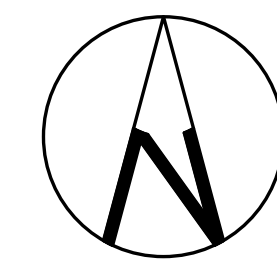


2 SECOND FLOOR - POWER & SYSTEMS - MODIFICATION
E-302 SCALE: 1/4" = 1'-0"

6	2023/09/29	ISSUED FOR ADDENDUM E-01
5	2023/08/04	ISSUED FOR PERMIT/TENDER
4	2023/07/12	ISSUED FOR 95% REVIEW
3	2023/05/31	ISSUED FOR 50% CD
2	2023/04/26	ISSUED FOR 100% DD
1	2023/04/10	ISSUED FOR 50% DD

No. Date Action

MAT 4SITE ENGINEERS LTD.
620 WILSON AVE., SUITE 300, TORONTO, ON M6K 1Z3
PHONE: 416-229-6574 FAX: 416-229-4105



Orientation Stamp

Project Name and Address:

**SPADINA MUSEUM
GARAGE REHABILITATION AND
SITE ACCESSIBILITY**
285 SPADINA RD,
TORONTO, ON M5R2V5

Drawing title
**SECOND FLOOR – POWER
& SYSTEM – DEMOLITION
& MODIFICATION**

Scale:
1/4" = 1'-0"

Project No.
22626

Designer:
N.J.

Date:
2023/01/25

Drawn by:
R.A.

Checked by:
R.M.

Drawing file:
22626-E

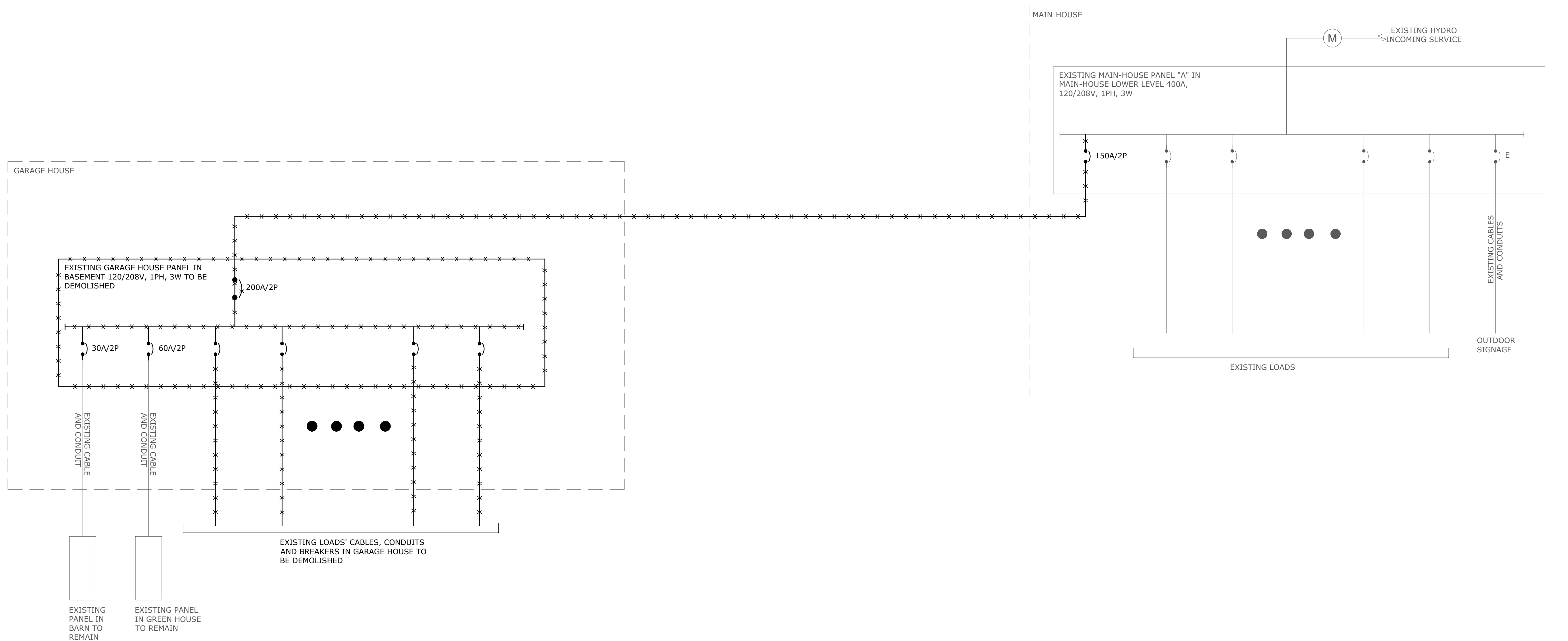
Client Approval

Revision No.

0

Drawing No.

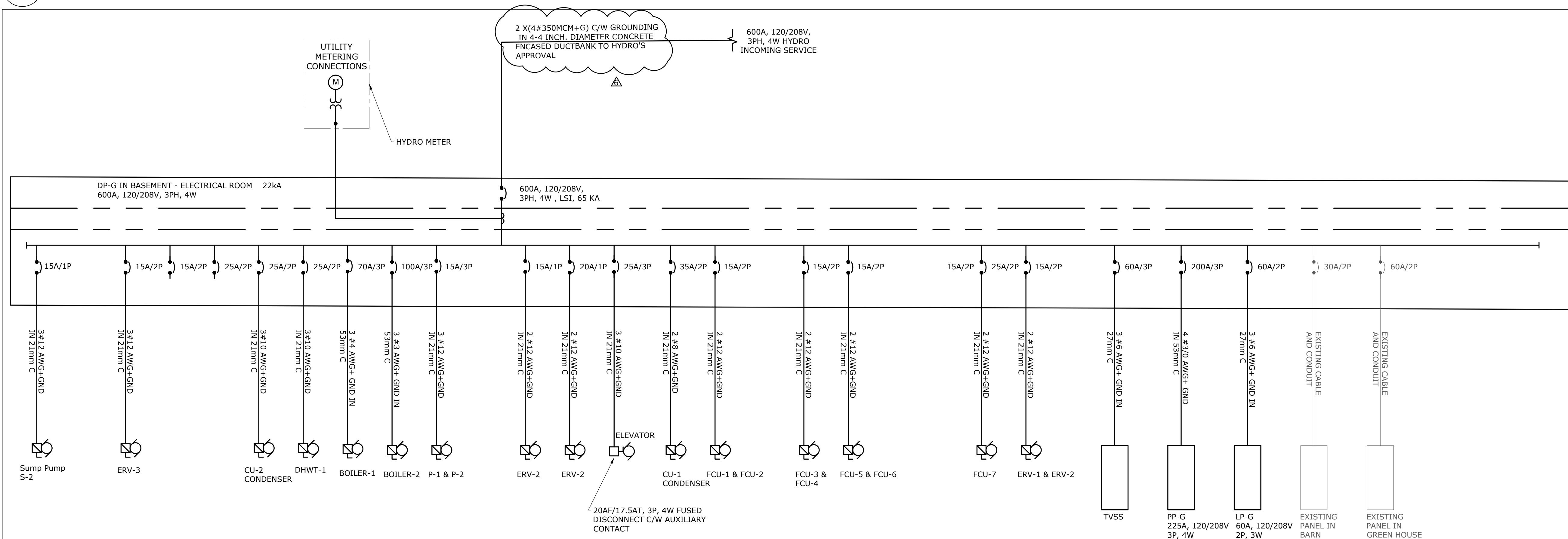
E-302



6	2023/09/29	ISSUED FOR ADDENDUM E-01
5	2023/08/04	ISSUED FOR PERMIT/TENDER
4	2023/07/12	ISSUED FOR 95% REVIEW
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2	2023/04/26	ISSUED FOR 100% DD
1	2023/04/10	ISSUED FOR 50% DD
No.	Date	Action

1 E-900 SINGLE LINE DIAGRAM - DEMOLITION SCALE: N.T.S.

E-900 SCALE: N.T.S.



MAT 4SITE ENGINEERS LTD.
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Orientation		Map	
Project Name and Address:			
SPADINA MUSEUM GARAGE REHABILITATION AND SITE ACCESSIBILITY 285 SPADINA RD, TORONTO, ON M5R2V5			
Drawing title			
SINGLE LINE DIAGRAM			
Scale: N.T.S.		Project No. 22626	
Designer: N.J.		Date: 2023/01/25	
Drawn by: R.A.		Checked by: R.M.	
Drawing file: 22626-E		Client Approval	
Revision No.		Drawing No.	
0		E-900	