

To: Ben Knoop  
Toronto Zoo  
361A Old Finch Avenue  
Toronto, ON M1B 5K7

Date Issued: January 16, 2025  
Project Name: Toronto Zoo Community Conservation Campus -  
South Building  
Project Number: 19-1-026

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This addendum is issued prior to closing of tender to provide for certain revisions to or clarifications in the work. The revisions covered by this addendum shall be carried out in accordance with the requirements of the specifications. The following addendum items are included and shall become part of the contract.

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**1. Architectural**

1.1 Specification

1.1.1 **Section 07 26 00 - Vapour Retarders**

1.1.1.1 NEW

1.2 Drawings

1.2.1 **Drawing A1.02 – Floor Plan**

1.2.1.1 ADDED demo note to clarify demolition scope.

1.2.2 **Drawing A1.03 – Ceiling Plan**

1.2.2.1 REVISED Room Finish Schedule to clarify floor and ceiling finishes.

1.2.2.2 REVISED number and layout of lighting fixtures in rooms 23 and 23A.

1.2.3 **Drawing A1.07 – FFE Plan**

1.2.3.1 REVISED Furniture Schedule to clarify furniture supplied by contractor and owner.

**2. Mechanical**

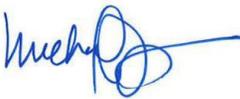
2.1 Refer to the attached Mechanical Addendum M-1.

**3. Electrical**

3.1 Refer to the attached Electrical Addendum E-1.

— END OF ADDENDUM —

Sincerely,  
**Zeidler Architecture Inc.**



**EXECUTIVE |**  
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Francesca Pinochi, Toronto Zoo

- 1 General
- 1.1 **SECTION INCLUDES**
  - .1 Labour, Products, equipment and services necessary for vapour retarders work in accordance with the Contract Documents.
- 1.2 **SUBMITTALS**
  - .1 Product data:
    - .1 Submit duplicate copies of manufacturer's Product data in accordance with Section 01 10 10 indicating:
      - .1 Performance criteria, compliance with appropriate reference standard, characteristics, and limitations.
      - .2 Product transportation, storage, handling and installation requirements.
    - .2 Samples: Submit following samples in accordance with Section 01 10 10:
      - .1 Two 300 x 300 mm samples of vapour retarders.
      - .2 Two samples, 300 mm long, of fastening bar.
- 1.3 **QUALITY ASSURANCE**
  - .1 Mock-up:
    - .1 Construct one 3 m<sup>2</sup> mock-up of [each type] vapour retarder in location acceptable to Consultant indicating as a minimum one lap joint, one inside corner, one window interface, and one electrical box.
    - .2 Arrange for Consultant's review and acceptance.
    - .3 Mock-up may remain as part of Work if accepted by Consultant. Remove and dispose of mock-ups which do not form part of Work.
  - .2 Pre-Installation Meeting: Arrange meeting on Site to be attended by Consultant, Contractor, and vapour retarder manufacturer's representative to review installation procedures, interfaces with adjacent work, conditions under which work will be performed, inspect the surfaces to receive the vapour retarder, and installation procedures 48 hours in advance of installation.
- 1.4 **SITE CONDITIONS**
  - .1 Do not install the work of this Section outside of environmental ranges as recommended by manufacturer without Consultant's and Product manufacturer's written acceptance.
  - .2 Supply and install temporary protection and facilities to maintain Product manufacturer's, and above specification, environmental requirements before, during, and after installation.
- 2 Products

## 2.1 MATERIALS

- .1 All materials under work of this Section, including but not limited to, primers and sealants are to have low VOC content limits.
- .2 Membrane vapour retarder:
  - .1 Membrane vapour retarder: 1.0 mm thick, single-ply, self adhering, self sealing, rubberised asphalt, bonded to a cross-laminated high density polyethylene film.
    - .1 'CCW 705' by Carlisle Coatings & Waterproofing.
    - .2 'Blueskin SA' by Henry Company Canada Inc.
    - .3 'Sopraseal Stick 1100 T' by Soprema.
    - .4 'Exo-Air 110' by Tremco.
    - .5 'Air-Shield" by W. R. Meadows.
  - .2 Primer:
    - .1 'CCW-AWP Primer' by Carlisle Coatings & Waterproofing.
    - .2 'Aquatac' by Henry Company Canada Inc.
    - .3 'Elastocol Stick H20' by Soprema.
    - .4 'ExoAir WB Primer' by Tremco
    - .5 'Mel-Prime Water Base' by W.R. Meadows.
  - .3 Mastic: One-part, low VOC building envelope sealant approved for use with membrane vapour retarder:
    - .1 'CCW 201' by Carlisle Coatings & Waterproofing.
    - .2 '925 BES Sealant' by Henry Company Canada Inc.
    - .3 'Sopramastic SP2' by Soprema.
    - .4 'Dymonic 100' by Tremco.
    - .5 'BEM' by W.R. Meadows.
  - .4 Fastening bar: Continuous 25 mm wide x 3 mm thick aluminum bar, predrilled for mechanical attachment.
  - .5 Fasteners: As specified herein or manufacturer's recommended fastener for attaching to Substrate.

## 3 Execution

### 3.1 EXAMINATION AND COORDINATION

- .1 Verify condition and dimensions of previously installed Work upon which this Section depends. Report defects to Consultant. Commencement of work of this Section means acceptance of existing conditions.
- .2 Verify that existing substrates to receive vapour retarder are clean, dry, sound, smooth, and continuous.
- .3 Coordinate installation of vapour retarders with work of other Sections to achieve a

vapour tight building envelope.

### 3.2 **MEMBRANE VAPOUR RETARDER INSTALLATION**

- .1 Install vapour retarder and associated components in accordance with manufacturer's instructions in locations indicated.
- .2 Primer and mastic:
  - .1 Primer:
    - .1 Prime substrate surfaces to receive vapour retarder, at recommended application rate, allow to dry. Vary coverage to suit surface porosity.
    - .2 Prime surfaces. Re-prime surfaces if not covered with vapour retarder within 4 hours.
  - .2 Mastic:
    - .1 Install mastic where required to ensure integrity of vapour retarder installation at protrusions and other complex details.
    - .2 Fill substrate voids, gaps, depressions, cracks, and joints with mastic until continuous, smooth, substrate for vapour retarder is achieved.
- .3 Lap vapour retarder ends and edges 50 mm minimum. Roll vapour retarder and laps for continuous adhesion over entire substrate area; use manufacturer's recommended roller.
- .4 Extend vapour retarder as required to connect to roof parapets, windows, doors frames, aluminum work and other components of Work comprising vapour retarder system.
- .5 Provide end-dams and terminations fabricated from same material as membrane vapour retarder or material recommended by membrane manufacturer at sills, lintels, openings, and where horizontal surfaces intersect with vertical surfaces to ensure moisture is shed to exterior.
- .6 Cut and fit vapour retarder as required for passage of protrusions, ensuring continuous adherence to substrate.
- .7 At end of days' work, trowel mastic water cut-off along uppermost edge of incomplete vapour retarder assembly, to prevent loss of adhesion and damage vapour retarder.
- .8 Supply and install continuous mechanical fastening bar to clamp vapour retarder both sides of unfilled gaps, cracks, and joints.

### 3.3 **FIELD QUALITY CONTROL**

- .1 Inspect vapour retarder continuity immediately prior to installation of subsequent construction. Repair punctures, rips and tears to ensure continuity of vapour retarder.
- .2 Where punctures and tears are extensive, replace entire damaged section.

- .3 Do not cover or permit to be covered any portion of vapour retarder until it has been inspected by Consultant.

END OF SECTION

**DOOR, FRAME AND HARDWARE SCHEDULE - PROPOSED**

MARK	WIDTH	HEIGHT	DOOR MATL.	FINISH	GLASS	FRAME MATL.	FRAME FINISH
D01	965	2135	HM	PT-7	-	HM	PT-7
D02	965	2135	HM	PT-7	-	HM	PT-7
D03	965	2135	HM	PT-7	-	HM	PT-7
D04	965	2135	HM	PT-7	-	HM	PT-7
EXA7	902	2135	HM	PT-7	-	HM	PT-7
EXB2	902	2135	WD	PT-7	-	WD	PT-7
EXB4	902	2135	WD	PT-7	-	WD	PT-7

**DOOR SCHEDULE ABBREVIATIONS**

EXA	EXISTING DOOR (ZONE A)
EXB	EXISTING DOOR (ZONE B)
HM	HOLLOW METAL
WD	WOOD
PT-7	PAINTED (SEE A1.03 FINISH SCHEDULE)

**CONSTRUCTION KEY NOTES**

- C1 NEW BASEBOARD HEATER (SEE ELEC. DWGS)
- C2 WINDOW OPENINGS TO BE FILLED TO MATCH EXISTING EXTERIOR WALL ASSEMBLY.
- C3 CONTRACTOR TO APPLY 15mm GYPSUM BOARD, 15mm PLYWOOD BOARD AND 50mm x 150mm MW18.7 WIRE MESH TO EXISTING WALL
- C4 CONTRACTOR TO PREPARE EXISTING CONCRETE FLOOR TO RECEIVE VINYL TILE FINISH AS PER MANUFACTURERS REQUIRED SPECIFICATIONS.
- C5 CONTRACTOR TO PREPARE EXISTING CONCRETE FLOOR TO RECEIVE CARPET TILE FINISH AS PER MANUFACTURERS REQUIRED SPECIFICATIONS.
- C6 CONTRACTOR TO PREPARE EXISTING CONCRETE COLUMNS FOR PAINTED FINISH.

**DEMOLITION KEY NOTES CONT'D**

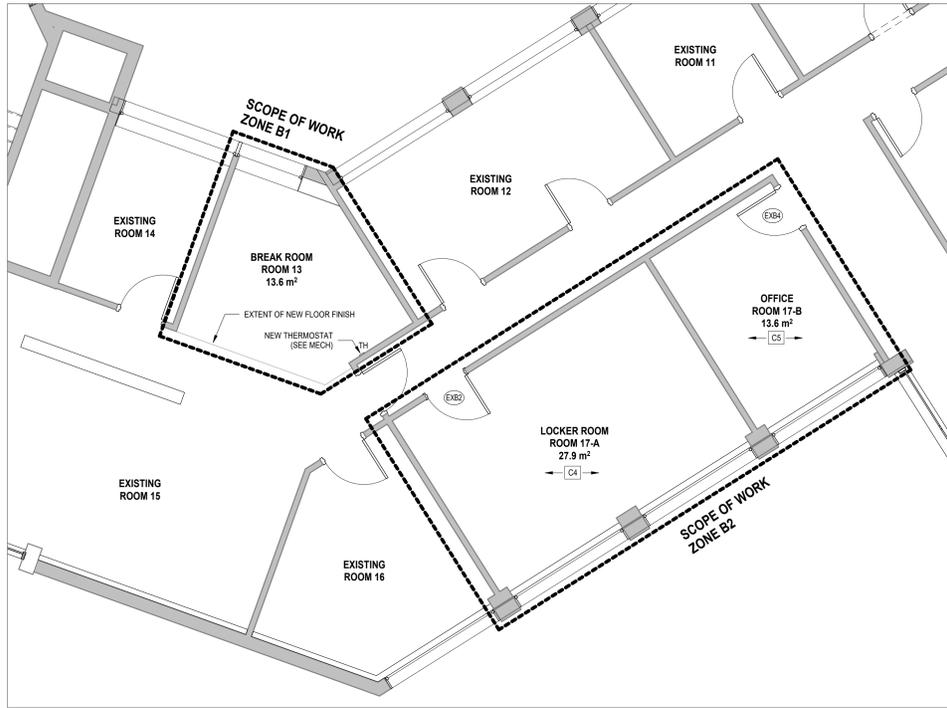
- D14 EXISTING PLYWOOD COVERS TO BE REMOVED AND WINDOWS FINISHED WITH TRANSLUCENT FILM T-1.
- D15 (RESERVED)
- D16 (RESERVED)
- D17 (RESERVED)
- D18 REMOVE EXISTING FLOOR FINISH AND WALL BASE INCLUDING ADHESIVE. SKIM COAT ENTIRE FLOOR AREA AS REQUIRED FOR PREPARATION OF NEW FLOOR FINISH TO MEET FLOORING MANUFACTURERS STANDARDS.
- D19 EXISTING FLOOR FINISH TO REMAIN. REMOVE WALL BASE, REPAIR AND SMOOTH SURFACE FOR INSTALLATION OF NEW BASE.
- D20 CONTRACTOR TO INVESTIGATE EXISTING WALL TO CONFIRM CONTINUITY OF FIRE RESISTANCE RATING OF 60 min. REFER TO LIFE SAFETY PLAN A1.01 FOR DETAILS OF FIRE SEPARATION.

**DEMOLITION KEY NOTES**

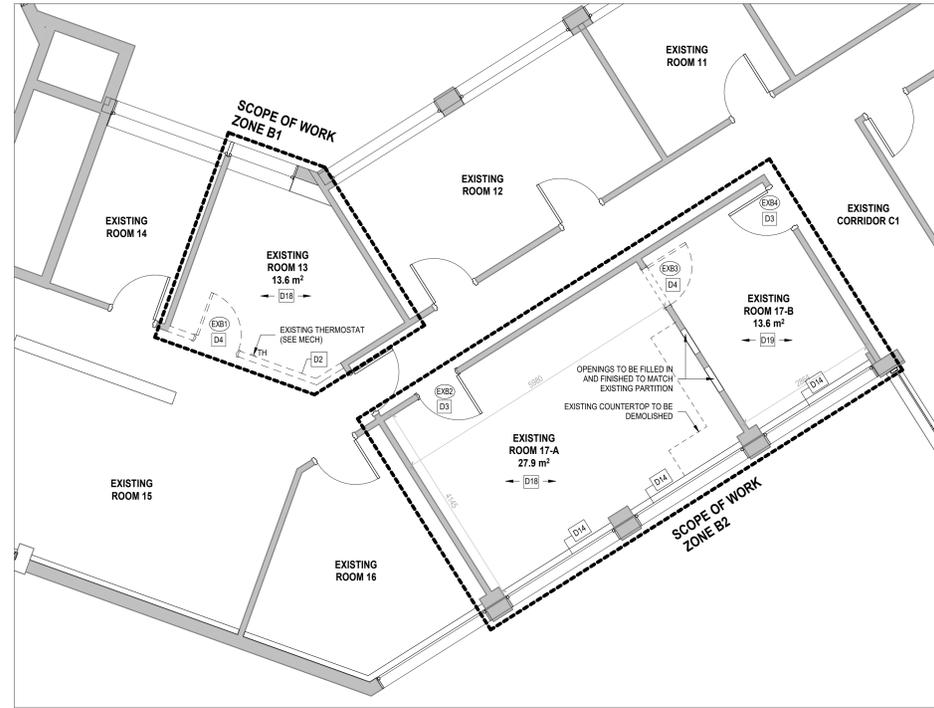
- D01 EXISTING WALL TO REMAIN
- D02 EXISTING WALL TO BE REMOVED.
- D03 EXISTING DOOR TO REMAIN.
- D04 EXISTING DOOR TO BE REMOVED.
- D05 (RESERVED)
- D06 EXISTING WINDOWS TO BE REMOVED AND FILLED TO MATCH EXISTING WALL ASSEMBLY.
- D07 (RESERVED)
- D08 EXISTING WINDOW TO REMAIN
- D09 EXISTING WINDOW TO BE REMOVED.
- D12 BASEBOARD HEATERS TO BE REMOVED AND RETURNED TO OWNER FOR STORAGE (SEE MECHANICAL)
- D13 (RESERVED)

**GENERAL DEMOLITION NOTES**

1. ALL DIMENSIONS & LOCATIONS TO BE VERIFIED ON SITE PRIOR TO CONSTRUCTION.
2. CONTRACTOR TO PROVIDE ALL DEMOLITION AS REQUIRED FOR NEW WORK.
3. ANY OPENINGS TO THE OUTSIDE CLIMATE TO BE WEATHERPROOFED FOR THE EXTENT OF THIS CONTRACT.
4. CONTRACTOR TO PROVIDE ADEQUATE PROTECTIONS TO ALL EXISTING PROPERTIES DURING DEMOLITION AND CONSTRUCTION.
5. PATCH AND MAKE GOOD EXISTING WALLS, FLOORS AND CEILINGS TO MATCH EXISTING. APPLY MATCHING TOUCH-UP PAINT TO ALL WALLS AND ALIGN FINISHES SURFACES.
6. DEMO. WORK WITH EXCESSIVE NOISE TO BE PERFORMED AFTER REGULAR HOURS PERMITTED BY OWNER.
7. REMOVAL OF ANY FLOOR FINISHES MUST INCLUDE COMPLETE REMOVAL OF ANY UNDERLAYMENT AND GLUE ADHERED TO THE CONCRETE SLAB.
8. ANY ASSOCIATED M&E SERVICES MUST BE DISCONNECTED BEFORE REMOVAL OF WALL, FLOOR & CEILING.
9. THE OWNER RESERVES THE RIGHT TO CLAIM ALL DEMOLITION ITEMS WHERE IT MAY BE POSSIBLE TO RETURN IN THE FUTURE. CONFIRM WITH THE OWNER PRIOR TO DISPOSING OF ITEMS.
10. FIRE-RATE AND PATCH EXISTING FIRE RATED WALL, FLOOR, AND CEILING OPENING WITHIN THE PROJECT AREA TO MATCH EXISTING FIRE RATING.
11. REFER TO HAZARDOUS SUBSTANCES REPORT FOR INFORMATION REGARDING PROTECTION AND DISPOSAL INSTRUCTIONS. CEASE OPERATIONS AND NOTIFY PRIME CONSULTANT IMMEDIATELY IF HAZARDOUS SUBSTANCES ARE UNCOVERED.



5 PLAZA LEVEL PROPOSED PLAN ZONE B  
A1.02 SCALE: 1:50



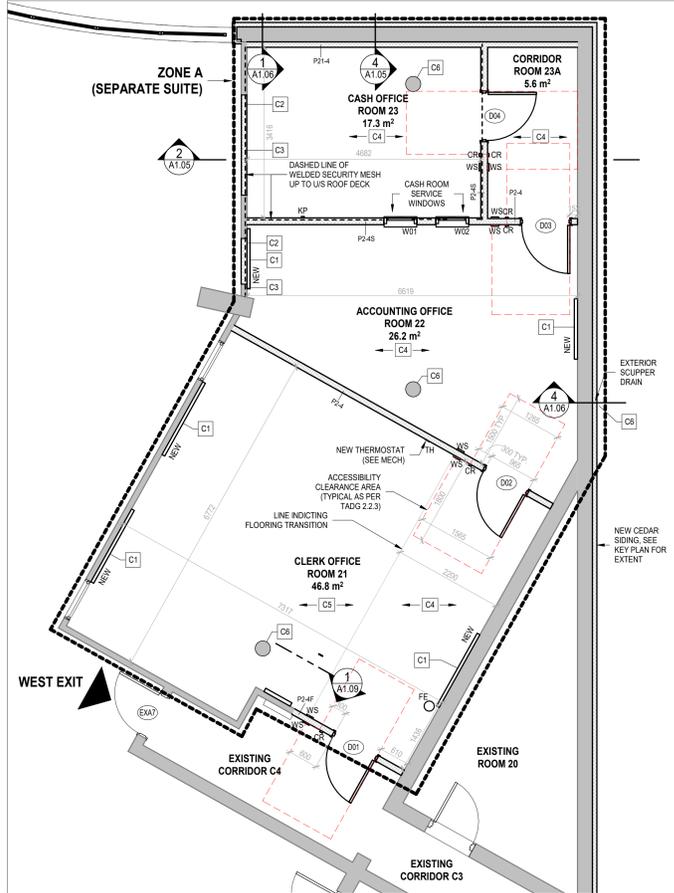
4 PLAZA LEVEL DEMOLITION PLAN ZONE B  
A1.02 SCALE: 1:50

**DEMOLITION LEGEND**

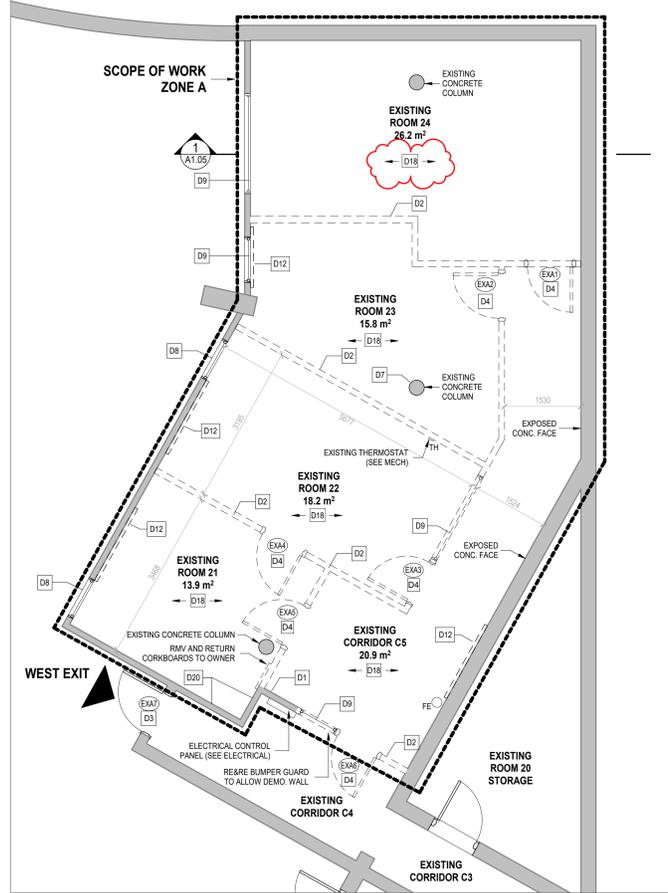
EX	EXISTING ELEMENT
RMV	TO BE REMOVED
REAR	REMOVE AND REPLACE
RLC	RELOCATE
CR	CARD READER
WS	WAVE SENSOR
TH	THERMOSTAT
KP	SECURITY KEYPAD
(Solid line with shading)	EXISTING WALL TO REMAIN
(Dashed line with no shading)	EXISTING ELEMENT TO BE DEMOLISHED
(Solid line with crosshatch fill)	NEW WALL TO BE BUILT
(Dashed line with dots)	EXISTING DOOR TO REMAIN
(Dashed line with diagonal lines)	EXISTING DOOR TO BE REMOVED OR RELOCATED
(Dotted line)	ADDITION TO WALL ASSEMBLY. SEE ASSOCIATED KEYNOTE
(Red dashed line)	ACCESSIBILITY CLEARANCE AREA
(Thick black line)	SCOPE OF WORK

**INTERIOR PARTITION AND FURRING WALL ASSEMBLIES**

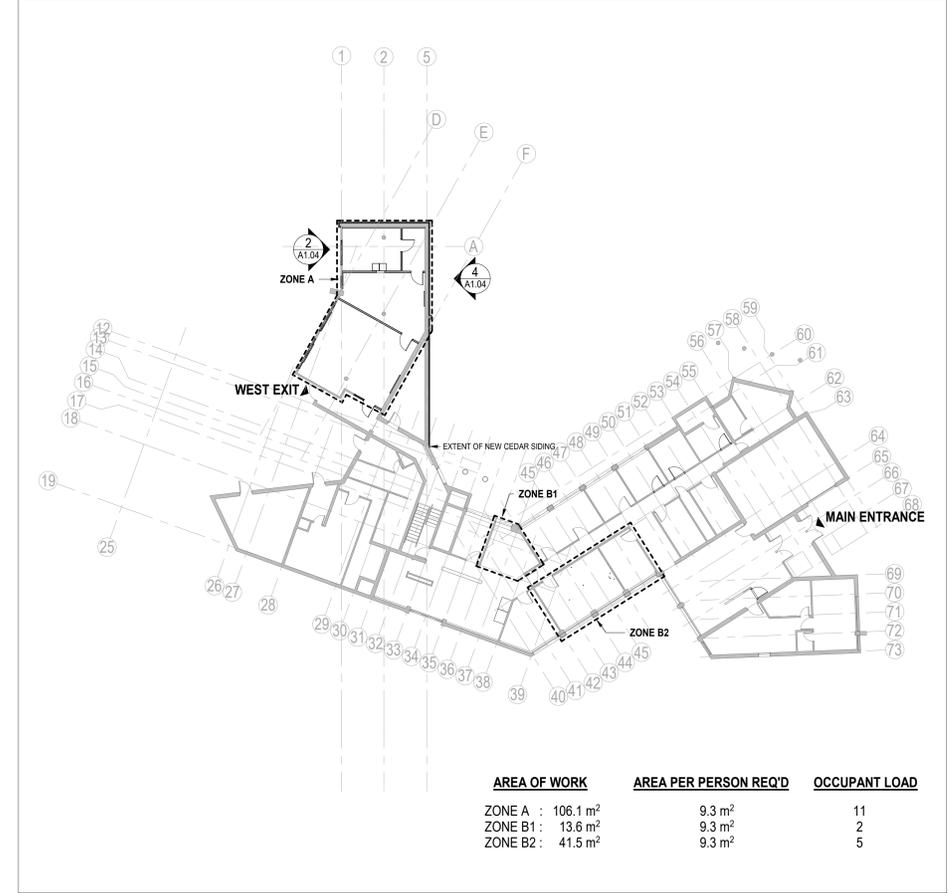
TYPE	ASSEMBLY	CONSTRUCTION	FIRE RESISTANCE	SOUND TRANSMISSION
P2-4		15mm GYPSUM BOARD 90mm STEEL STUD FRAMING @ 600 c.c. MAX. 89mm SOUND ABSORPTIVE BATT INSULATION 15mm GYPSUM BOARD	NA	NA
P2-4F		15mm FIRE RATED GYPSUM BOARD 90mm STEEL STUD FRAMING @ 600 c.c. MAX. 89mm SOUND ABSORPTIVE BATT INSULATION 15mm FIRE RATED GYPSUM BOARD	45 min.	NA
P2-4S		15mm GYPSUM BOARD 15mm PLYWOOD BOARD 89mm x 150mm MW18.7 WIRE MESH 90mm STEEL STUD FRAMING @ 600 c.c. MAX. 89mm SOUND ABSORPTIVE BATT INSULATION 15mm GYPSUM BOARD	NA	NA
P21-4		50mm STEEL STUD FRAMING @ 600 c.c. MAX. 15mm GYPSUM BOARD 15mm GYPSUM BOARD (AS NEEDED TO MATCH EXISTING)	NA	NA



3 LEVEL 1 - PROPOSED PLAN ZONE A  
A1.02 SCALE: 1:50



2 LEVEL 1 - DEMOLITION PLAN ZONE A  
A1.02 SCALE: 1:50



1 KEY PLAN - EXISTING SOUTH BUILDING  
A1.02 SCALE: 1:200

AREA OF WORK	AREA PER PERSON REQ'D	OCCUPANT LOAD
ZONE A : 106.1 m²	9.3 m²	11
ZONE B1 : 13.6 m²	9.3 m²	2
ZONE B2 : 41.5 m²	9.3 m²	5

NO.	ISSUE/REVISION	DATE
D	ISSUED FOR TENDER - ADDENDUM #01	2025-01-15
C	ISSUED FOR TENDER	2024-12-03
B	ISSUED FOR TENDER - DRAFT	2024-05-14
A	ISSUED FOR BUILDING PERMIT	2024-05-03

**Toronto Zoo  
Community  
Conservation  
Campus**

2000 Meadowdale Rd, Toronto,  
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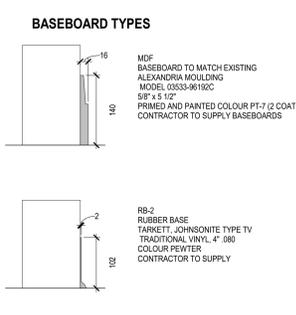
DATE 03/25/24

SCALE As Indicated

PROJECT NO. 19-1-026

ROOM FINISH SCHEDULE - ADMIN RENOVATION							
LEVEL	ROOM	NUMBER	AREA	WALL FINISH	FLOOR FINISH	CEILING FINISH	BASEBOARD TYPE
PLAZA	BREAK ROOM	13	12.3 m <sup>2</sup>	PT-6	VNL	ACT-1	MBF
PLAZA	LOCKER ROOM	17-A	25.9 m <sup>2</sup>	PT-6	VNL	ACT-1	RB-2
PLAZA	OFFICE	17-B	12.2 m <sup>2</sup>	PT-6	CPT-2	ACT-1	RB-2
LEVEL 1	CLERK OFFICE	21	46.8 m <sup>2</sup>	PT-6	CPT-2/VNL	PT-6	RB-2
LEVEL 1	ACCOUNTING OFFICE	22	26.2 m <sup>2</sup>	PT-6	VNL	PT-6	RB-2
LEVEL 1	CASH OFFICE	23	16.4 m <sup>2</sup>	PT-6	VNL	PT-6	RB-2
LEVEL 1	CORRIDOR	23A	6.4 m <sup>2</sup>	PT-6	VNL	ACT-1	RB-2

MATERIAL & FINISH LEGEND	
ACT-1	ACOUSTIC CEILING TILE - ARMSTRONG - ULTIMA HIGH NRC
CPT-2	CARPET TILE - TARKETT, LIGHT SHIF (11524), COLOUR: SKY LIT (45405), SIZE: 610mmx610mm, THICKNESS 6.3mm, CONTRACTOR SUPPLIED
VNL-3	VINYL TILE, TARKETT, OPTIMA, COLOUR: KOALA BEAR (0873), SIZE: 610mmx610mm, THICKNESS 2mm, CONTRACTOR SUPPLIED
PT-6	WALL PAINT: BENJAMIN MOORE, SILVER BELLS (1458), EGGSHELL FINISH, 2 COAT APPLICATION, T2 TO SUPPLY PAINT.
PT-7	TRIM & DOOR PAINT: BENJAMIN MOORE, SILVER WOLF (1600) SOFT GLOSS FINISH, 2 COAT APPLICATION, T2 TO SUPPLY PAINT.
GWB	GYPSUM WALL BOARD
TF-1	TRANSLUCENT FILM: 3M, FASARA, MILKY MILKY SH2MMMM

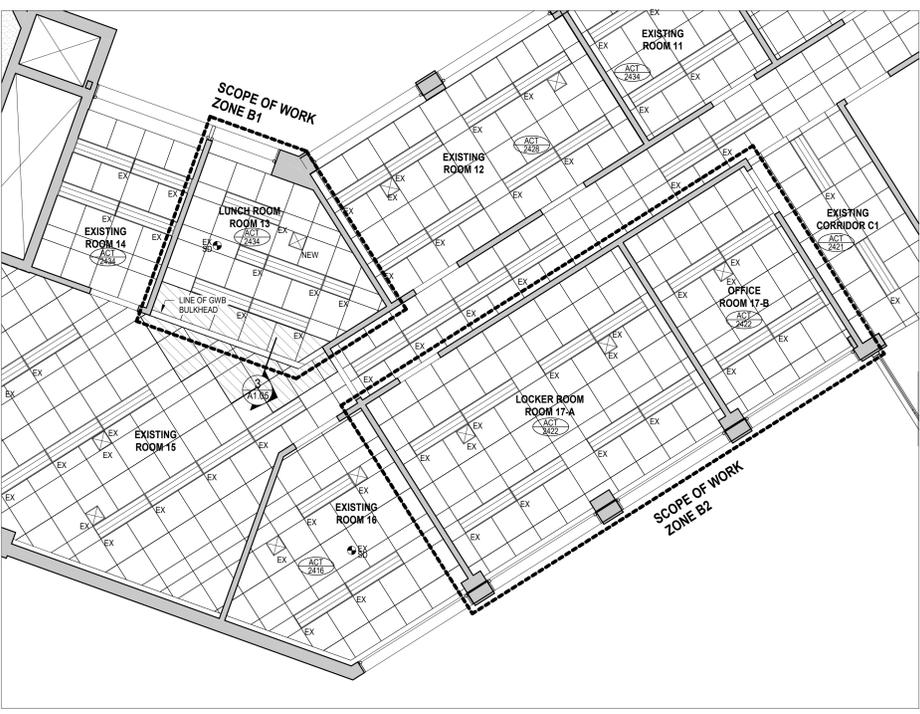


TRANSITIONS	
TARKETT LAMINATE TILE TO CARPET TRANSITION MODEL: JOHNSONITE METAEDGE 001 (ME001) 3mm	
CARPET TO CARPET TRANSITION MODEL: JOHNSONITE METAEDGE 001 (ME001) 3mm	

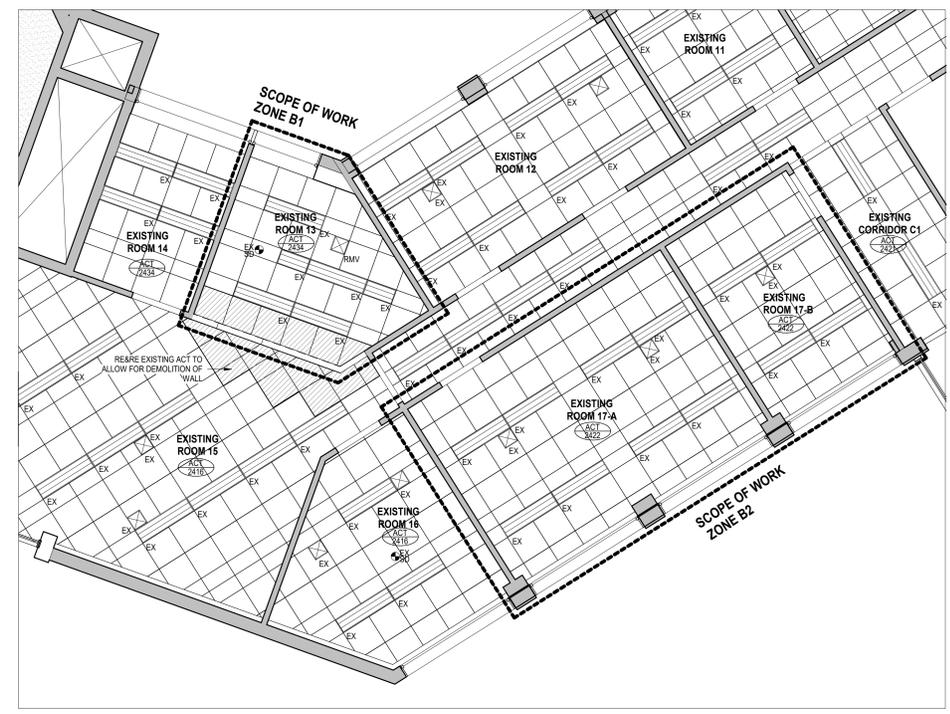
  

LIGHT FIXTURE SCHEDULE	
LF1	600mm x 600mm FLAT LED PANEL - DRYWALL MOUNTED MANUFACTURER RAB DESIGN MODEL: CPL2-LED30A18 (SEE ELEC)
LF1	600mm x 600mm FLAT LED PANEL - RECESSED T-BAR MOUNTED MANUFACTURER RAB DESIGN MODEL: CPL2-LED30A18 (SEE ELEC)

- ### CEILING DEMOLITION KEY NOTES
- D10 EXISTING WINDOW BLINDS TO BE REMOVED AND RETURNED TO OWNER.
  - D11 EXISTING BLINDS TO REMAIN.
  - D21 (RESERVED)
  - D22 DRYWALL CEILING AND HVAC SYSTEMS TO BE REMOVED (SEE MECHANICAL).
  - D23 CONTRACTOR TO REMOVE ASBESTOS CONTAINING MATERIAL IN CEILING ASSEMBLY. REFER TO MOST RECENT HAZARDOUS MATERIAL REPORT FOR FULL EXTENT.
- ### GENERAL DEMOLITION NOTES
- ALL DIMENSIONS & LOCATIONS TO BE VERIFIED ON SITE PRIOR TO CONSTRUCTION.
  - CONTRACTOR TO PROVIDE ALL DEMOLITION AS REQUIRED FOR NEW WORK.
  - ANY OPENINGS TO THE OUTSIDE CLIMATE TO BE WEATHERPROOFED FOR THE EXTENT OF THIS CONTACT.
  - CONTRACTOR TO PROVIDE ADEQUATE PROTECTIONS TO ALL EXISTING PROPERTIES DURING DEMOLITION AND CONSTRUCTION.
  - PATCH AND MAKE GOOD EXISTING WALLS, FLOORS, AND CEILINGS TO MATCH EXISTING. APPLY MATCHING TOUCH-UP PAINT TO ALL WALLS AND EXPOSED FINISHES SURFACES.
  - DEMOLITION WORK WITH EXCESSIVE NOISE IS TO BE PERFORMED AFTER REGULAR HOURS PERMITTED BY OWNER.
  - REMOVAL OF ANY FLOOR FINISHES MUST INCLUDE COMPLETE REMOVAL OF ANY UNDERLAYMENT AND GLUE ADHERED TO THE CONCRETE SLAB.
  - ANY ASSOCIATED M&E SERVICES MUST BE DISCONNECTED BEFORE REMOVAL OF ANY WALL, FLOOR, AND CEILING.
  - THE OWNER RESERVES THE RIGHT TO CLAIM ALL DEMOLITION ITEMS WHERE IT MAY BE POSSIBLE TO REUSE IN THE FUTURE. CONFIRM WITH THE OWNER PRIOR TO DISPOSING OF ITEMS.
  - PREPARE AND PATCH EXISTING FIRE RATED WALL, FLOOR, AND CEILING OPENING WITHIN THE PROJECT AREA TO MATCH EXISTING FIRE RATING.
  - REFER TO HAZARDOUS SUBSTANCES REPORT FOR INFORMATION REGARDING PROTECTION AND DISPOSAL INSTRUCTIONS. CEASE OPERATIONS AND NOTIFY PRIME CONSULTANT IMMEDIATELY IF HAZARDOUS SUBSTANCES ARE UNCOVERED.



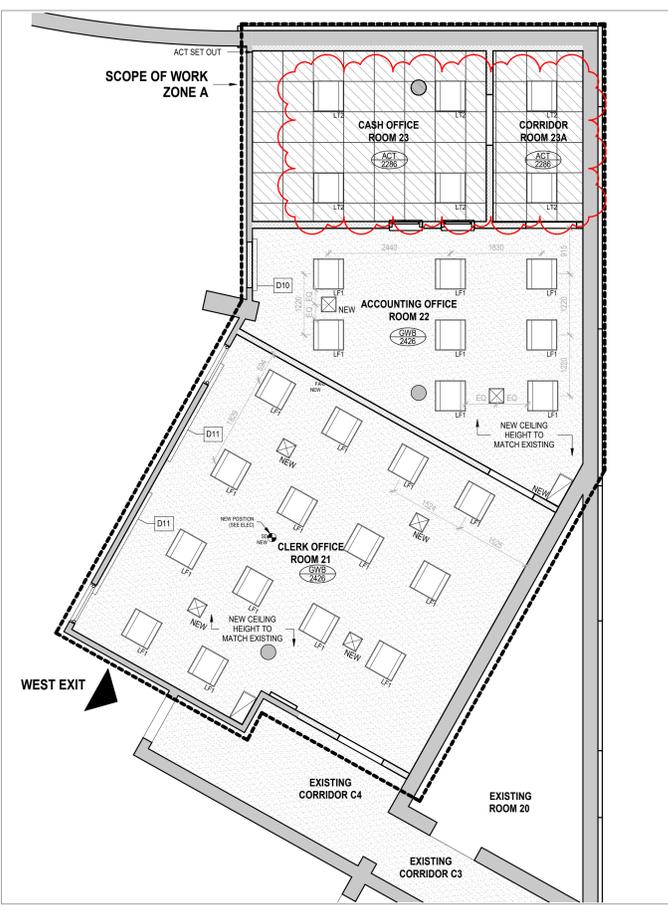
5 PLAZA LEVEL ZONE B - PROPOSED CEILING PLAN  
SCALE: 1:50



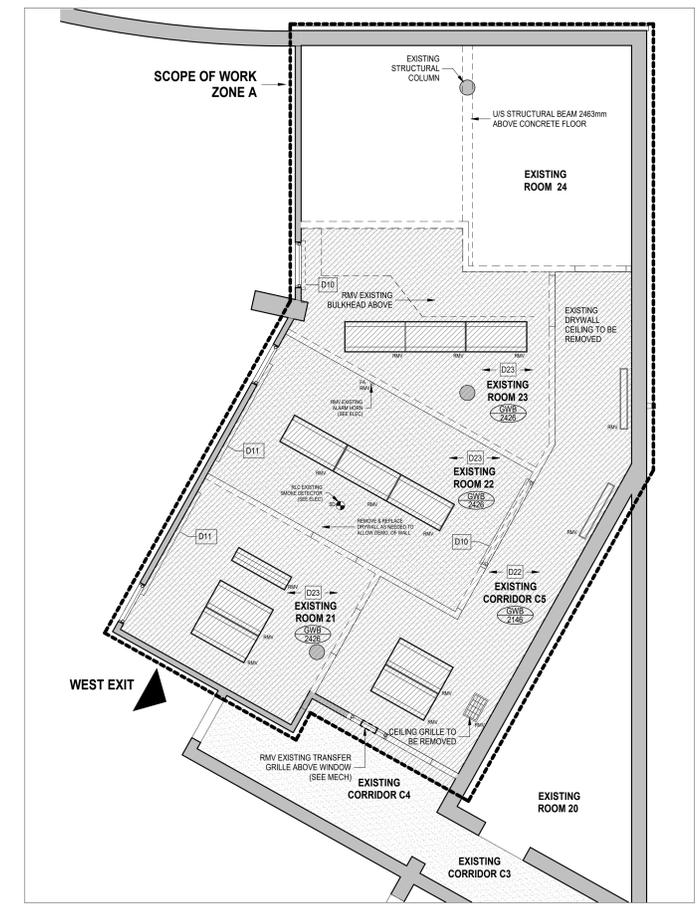
4 PLAZA LEVEL ZONE B EXISTING CEILING PLAN  
SCALE: 1:50

### CEILING LEGEND

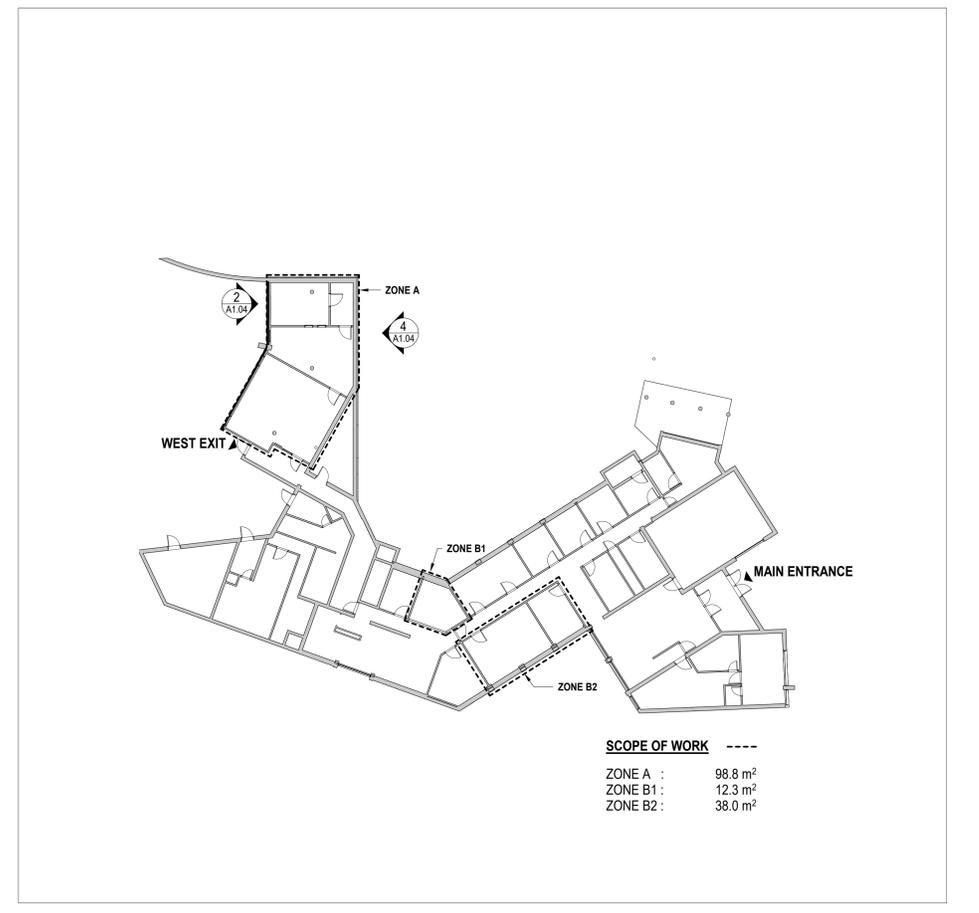
EX	EXISTING ELEMENT
RMV	EXISTING TO BE REMOVED
RLC	EXISTING TO BE RELOCATED
REARE	EXISTING TO BE REMOVED AND REPLACED
[Symbol]	305mm X 1220mm FLUORESCENT LIGHT FIXTURE
[Symbol]	305mm X 610mm FLUORESCENT LIGHT FIXTURE
[Symbol]	610mm X 610mm FLUORESCENT LIGHT FIXTURE
[Symbol]	305mm SUPPLY AIR DIFFUSER
[Symbol]	600mmX300mm MM RETURN AIR DIFFUSER
[Symbol]	CEILING MOUNTED LUMINAIRE
[Symbol]	SMOKE DETECTOR
[Symbol]	CEILING MOUNTED FIRE ALARM
[Symbol]	WALL MOUNTED FIRE ALARM
[Symbol]	EXISTING ELEMENT TO BE REMOVED (1.5mm HATCH)
[Symbol]	EXISTING ACOUSTIC CEILING TILE GRID TO REMAIN (VARIOUS CONFIGURATIONS)
[Symbol]	NEW ACOUSTIC CEILING TILES TO BE INSTALLED (3mm DOWNWARD HATCH)
[Symbol]	EXISTING DRYWALL CEILING TO REMAIN (TEXTURED FILL WITH NO HATCH)
[Symbol]	EXISTING DRYWALL CEILING TO BE REMOVED (1.5mm DIAGONAL HATCH WITH TEXTURED FILL)
[Symbol]	NEW DRYWALL CEILING TO BE INSTALLED (3mm DOWNWARD HATCH WITH TEXTURED FILL)



3 LEVEL 1 PROPOSED REFLECTED CEILING PLAN  
SCALE: 1:50



2 LEVEL 1 DEMOLITION REFLECTED CEILING PLAN  
SCALE: 1:50



1 LEVEL 1 KEY PLAN  
SCALE: 1:200

SCOPE OF WORK	
ZONE A :	98.8 m <sup>2</sup>
ZONE B1 :	12.3 m <sup>2</sup>
ZONE B2 :	38.0 m <sup>2</sup>

NO.	ISSUE/REVISION	DATE
D	ISSUED FOR TENDER - ADDENDUM #01	2025-01-15
C	ISSUED FOR TENDER	2024-12-03
B	ISSUED FOR TENDER - DRAFT	2024-08-14
A	ISSUED FOR BUILDING PERMIT	2024-05-03

# Toronto Zoo Community Conservation Campus

2000 Meadowdale Rd, Toronto,  
ON, M1B 5K7

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NAME	
DRAWN	
AUTHOR	
CHECKED	
CHECKER	
DATE	03/25/24
SCALE	As Indicated
PROJECT NO.	19-1-026

**DOOR HARDWARE**

**(D01, D02) ZONE A**

965mm x 2135mm x 45mm

HOLLOW METAL DOOR / HOLLOW METAL FRAME

4 EACH HINGES	T4A3786 4.5x4.5 NRP C15
1 EACH WIRING HARNESS	QC-C1500 15FT HARNESS 8PIN/4PIN DBL CONNECTOR
1 EACH CARD READER BY OTHERS	BY SECURITY VENDOR
1 EACH MORTISE STOREROOM LOCKSET	8204 LNL C32D
1 EACH CYLINDER & KEYING	1E74C208RP626 HOUSING, CORE, SARGENT CAM MK KD WITH 2 KEYS
1 EACH ELECTRIC STRIKE	1600 CLB 630
1 EACH INSTALL ELECTRIC STRIKE	FRAME CUTOFF NOT INCLUDED
1 EACH LOW VOLTAGE WIRING FOR ADO COMPONENTS	PULL STRINGS BY OTHERS
1 EACH AUTOMATIC OPERATOR INSTALLATION	POWER, BLOCKING, DEVICE BOXES AND PULL STRINGS BY OTHERS
1 EACH AUTOMATIC OPERATOR	SW200-51-CL-OS w/ SILVER ARM
1 EACH DOOR CLOSER	4040XP RW/PW 689
1 EACH 24VAC FUSED TRANSFORMER 20VA	CX-TRX-2024
1 EACH 24VAC FUSED TRANSFORMER 40VA	CX-TRX-4024
2 EACH WAVE TO OPEN SINGLE GANG PLATE	CM-325/41S
1 EACH KICKPLATE	GSH80A 8in x 36.5in TAPE C32D
1 EACH CONCEALED OVERHEAD STOP	GJ104S 630
1 ROLL FOOR GASKET	S88BL 18ft
1 EACH DOOR CONTACT	MSS100-4 SPDT BLACK
1 EACH REX MOTION DETECTOR BY OTHERS	REQUEST TO EXIT BY SECURITY VENDOR

**(D03, D04) ZONE A**

965mm x 2135mm x 45mm

HOLLOW METAL DOOR / HOLLOW METAL FRAME

4 EACH HINGES	T4A3786 4.5x4.5 NRP C15
1 EACH WIRING HARNESS	QC-C1500 15FT HARNESS 8PIN/4PIN DBL CONNECTOR
2 EACH CARD READER BY OTHERS	BY SECURITY VENDOR
1 EACH MORTISE STOREROOM LOCKSET	8204 LNL C32D
1 EACH CYLINDER & KEYING	1E74C208RP626 HOUSING, CORE, SARGENT CAM MK KD WITH 2 KEYS
1 EACH ELECTRIC STRIKE	1600 CLB 630
1 EACH INSTALL ELECTRIC STRIKE	FRAME CUTOFF NOT INCLUDED
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1 EACH CONCEALED OVERHEAD STOP	GJ104S 630
1 ROLL FOOR GASKET	S88BL 18ft
1 EACH DOOR CONTACT	MSS100-4 SPDT BLACK
1 EACH REX MOTION DETECTOR BY OTHERS	REQUEST TO EXIT BY SECURITY VENDOR

**NOTES :**

- \*D03 & D04 WILL INCORPORATE DOOR INTERLOCK SYSTEM.
- \*AUTOMATIC DOOR OPENING SYSTEM AND WAVE SENSOR TO BE INCLUDED AS SEPARATE PRICE.

**Furniture Schedule (Contractor Supplied)**

TYPE MARK	CT.	SUPPLIER - MANUFACTURER	MODEL NO.	DIMENSIONS (DxWxH) in.	DESCRIPTION
L1	17	SPACESAVER CORPORATION	DAY LOCKER	<varies>	3-TIER STANDARD DAY USE LOCKER, LEFT-MOUNTED HINGE.
L1R	17	SPACESAVER CORPORATION	DAY LOCKER	15" x 12" x 72"	3-TIER STANDARD DAY USE LOCKER, RIGHT-MOUNTED HINGE.
L2	4	SPACESAVER CORPORATION	DAY LOCKER	15" x 12" x 72"	SINGLE-TIER ACCESSIBLE DAY LOCKER.
L3	5	SPACESAVER CORPORATION	DAY LOCKER		Day use lockers. Storage for an evolving workspace

**Furniture Schedule (Owner Supplied)**

TYPE MARK	CT.	SUPPLIER - MANUFACTURER	MODEL NO.	DIMENSIONS (DxWxH) in.	DESCRIPTION
B1	1	SPACESAVER	N/A	96" x 9.25" x 16.5"	STANDARD LOCKER ROOM BENCH
B2	1	SPACESAVER	N/A	48" x 24" x 16.5"	ADA ACCESSIBLE LOCKER ROOM BENCH
C1	7	STAPLES EXCLUSIVE	B9372-S3L GRY	18" x 36" x 72"	LOCKING STEEL STORAGE CABINET, GREY
C3	2	STAPLES EXCLUSIVE	B93365F1H GREY	18" x 36" x 65.25"	LATERAL FILE CABINET, 5 DRAWERS, GREY
C4	3	STAPLES - BUSH FURNITURE	SET014SG		SOMERSET 3 POSITION SIT TO STAND L-SHAPED DESK - STORM GREY
C5	3	STAPLES - BUSH FURNITURE	SCB136PG	15.4" x 35.7" x 72.8"	STUDIO C 5 SHELF 72.8"H BOOKCASE - PLATINUM GREY
C6	1	STAPLES - MYCART	MN479	27" x 16" x 36"	UTILITY CART - HEAVY DUTY ON CASTERS.
C7	2	MONARCH SPECIALTIES	I740	15.4" x 35.7" x 72.8"	5 TIER BOOKCASE
CR	3	EVERBILT	HDC-0015-6CH	VARIABLES	1 5/16-inch HEAVY DUTY CLOSET ROD
CS	3	EVERBILT	HDC-0010-CH		1 5/16-inch HEAVY DUTY CLOSET POLE SOCKET NICKEL FINISH 2pk
F1	2	STAPLES EXCLUSIVE	52601-CA	26.2" x 27.2" x 37"	BERWOOD MESH/FABRIC TASK CHAIR
MIR-2	3	N/A			MIRROR
T1	1	TBD	TBD	TBD	TBD - 8 PERSON TABLE MAY REQUIRE ALTERNATE CONFIG.
T2	3	STAPLES -FLASH FURNITURE	MD0010	30" x 30" x 30"	30" BREAK ROOM TABLE, 4 CHAIRS INCLUDED

**CONTRACTOR SUPPLIED CASEWORK**

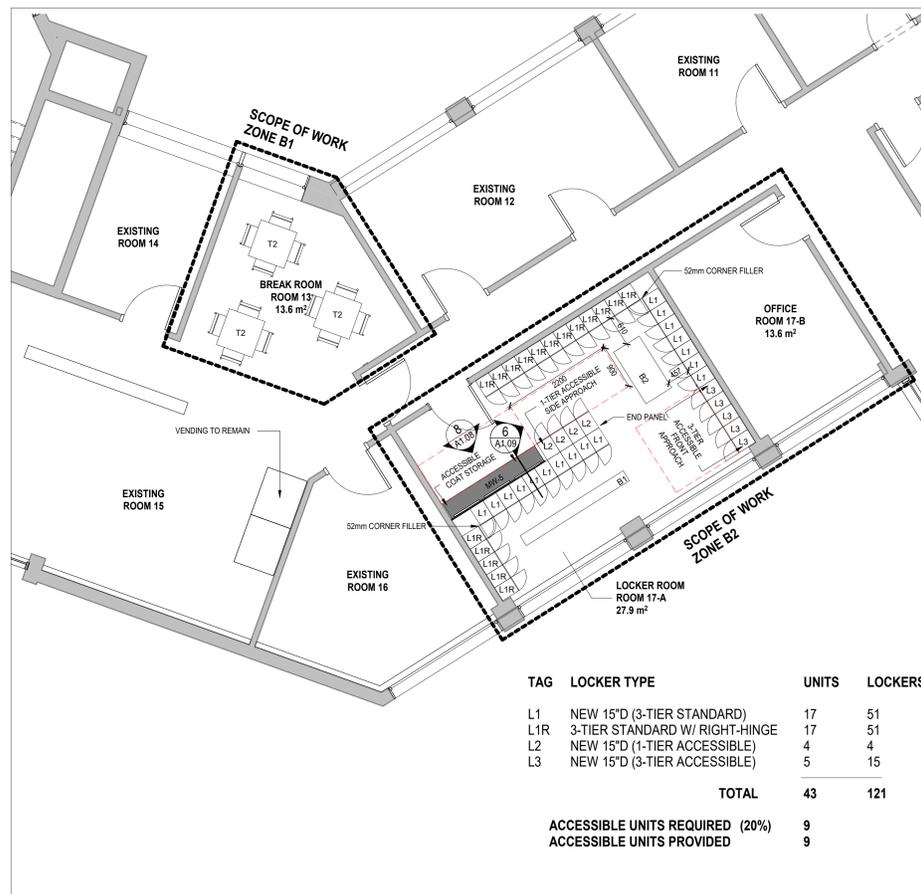
CASEWORK TAG	ROOM
MW-1	21
MW-2	22
MW-3	22
MW-4	23
MW-5	17-A

**FFE LEGEND**

WS  
STANDING HEIGHT WORKSPACE (1 DUPLEX RECEPTACLE REQUIRED)

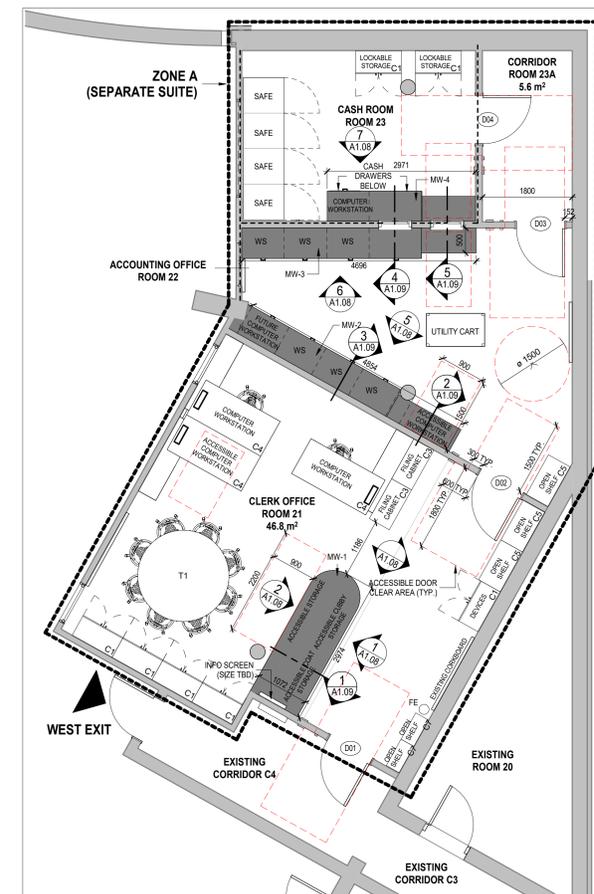
COMPUTER WORKSTATION  
(2 DUPLEX RECEPTACLES, 3 DATA PORT REQUIRED)

ACCESSIBILITY CLEARANCE AREA



TAG	LOCKER TYPE	UNITS	LOCKERS
L1	NEW 15"D (3-TIER STANDARD)	17	51
L1R	3-TIER STANDARD W/ RIGHT-HINGE	17	51
L2	NEW 15"D (1-TIER ACCESSIBLE)	4	4
L3	NEW 15"D (3-TIER ACCESSIBLE)	5	15
<b>TOTAL</b>		<b>43</b>	<b>121</b>
<b>ACCESSIBLE UNITS REQUIRED (20%)</b>		<b>9</b>	
<b>ACCESSIBLE UNITS PROVIDED</b>		<b>9</b>	

2 PLAZA LEVEL PROPOSED FFE PLAN  
SCALE: 1:50



1 LEVEL 1 - PROPOSED FFE PLAN  
SCALE: 1:50

NO.	ISSUE/REVISION	DATE
D	ISSUED FOR TENDER - ADDENDUM #01	2025-01-15
C	ISSUED FOR TENDER	2024-12-03
B	ISSUED FOR TENDER - DRAFT	2024-08-14
A	ISSUED FOR BUILDING PERMIT	2024-05-03

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NAME	
DRAWN	
AUTHOR	
CHECKED	
CHECKER	
DATE	03/25/24
SCALE	1:50
PROJECT NO.	19-1-026

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**Project Name:** Toronto Zoo Member & Guest Services Building Reno      **Date Issued:** January 14, 2025  
**Quasar Project #:** CM-23-257  
**Client Project#:**

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**Addendum #:** M-1  
**Revision #:** 0

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This Addendum forms part of the Contract Specifications and Drawings, and modifies the Bidding Documents, with Amendments and Additions noted below. This Addendum shall be added to the front of the specifications as issued. Bidders shall acknowledge receipt of this Addendum in the space provided in the Bid Form and include in bid amount.

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This addendum includes modifications to the drawings and specifications as summarized below. Unless otherwise noted, all drawings and/or specifications listed below are attached herewith.

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**Changes to Drawings:**

1. **DRAWING #M-001 – MECHANICAL LEGEND, EQUIPMENT SCHEDULES & DRAWING LIST (*Issued herewith*)**
  - a. Revised “GRILLES, REGISTERS AND DIFFUSERS SCHEDULE” as shown.
  - b. Revised “ELECTRICAL BASEBOARD HEATER SCHEDULE” as shown.
2. **DRAWING #M-100 – MECHANICAL KEY PLAN (*Issued herewith*)**
  - a. MECHANICAL KEY PLAN
    - i. Revised “SCOPE OF WORK” Area as shown.
3. **DRAWING #M-200 – SOUTH BUILDING – HVAC – DEMO & NEW WORK (*Issued herewith*)**
  - a. STAFF ROOM 13 – VENTILATION – DEMOLITION
    - i. Revised notes as shown.
  - b. ACCOUNTING AREA – VENTILATION – DEMOLITION
    - i. Revised existing ductwork as shown.
    - ii. Revised notes as shown.
  - c. STAFF ROOM 13 - VENTILATION - NEW WORK
    - i. Revised notes as shown
  - d. ACCOUNTING AREA - VENTILATION - NEW WORK
    - i. Revised mechanical services shown at Cash Office Room 23 and Corridor Room23A
    - ii. Revised mechanical services shown at Clerk Office Room 21, and Accounting Room 22

GRILLES, REGISTERS AND DIFFUSERS SCHEDULE							
TAG	MANUFACTURER	MODEL	TYPE	SIZE	MAX. NC	FINISH	REMARKS
A	E.H. PRICE	SCD	SQUARE CONE DIFFUSER	300x300 - REFER TO FLOOR PLAN FOR NECK CONNECTION	30	BY ARCHITECT	1
B	E.H. PRICE	85	EGG CRATE RETURN	REFER TO FLOOR PLAN	30	BY ARCHITECT	1
C	E.H. PRICE	530	LOUVRED GRILLE	REFER TO FLOOR PLAN	30	BY ARCHITECT	1, 2
D	E.H. PRICE	SCD	SQUARE CONE DIFFUSER	600x600 - REFER TO FLOOR PLAN FOR NECK CONNECTION	30	BY ARCHITECT	1

NOTES:  
1. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.  
2. 45° DEFLECTION

ELECTRICAL BASEBOARD HEATER SCHEDULE									
TAG	MANUFACTURER	MODEL	SERVICE	WIDTH (MM)	LENGTH (MM)	HEIGHT (MM)	HEAT OUTPUT (WATTS/MBH)	ELECTRICAL	REMARKS
BBH-01	OUELLET	OFM1758	VARIOUS	62	1905	150	1750 (5.97)	208/180	REFER TO FLOOR PLAN FOR QUANTITY
BBH-02	OUELLET	OFM6508	ROOM 22	62	691	150	590 (1.7)	208/180	REFER TO FLOOR PLAN FOR QUANTITY
BBH-03	OUELLET	OFM1508	ROOM 23A	62	1668	150	1500 (5.1)	208/180	REFER TO FLOOR PLAN FOR QUANTITY
BBH-04	OUELLET	OFM1258	ROOM 23	62	1447	150	1250 (4.3)	208/180	REFER TO FLOOR PLAN FOR QUANTITY

NOTES:  
1. PROVIDE PROGRAMMABLE ELECTRONIC LOW VOLTAGE THERMOSTAT TO SERVE ROOM 21. REFER TO DRAWINGS FOR QUANTITY AND LOCATIONS. PROVIDE LOW VOLTAGE RELAY FOR HEATERS SERVED BY LOW VOLTAGE THERMOSTAT.  
2. PROVIDE PROGRAMMABLE LINE VOLTAGE THERMOSTAT TO SERVE ROOMS 22, 23A, 23. REFER TO DRAWING FOR QUANTITY AND LOCATIONS

**GENERAL NOTES**

- THE MECHANICAL CONTRACTOR SHALL VISIT THE SITE TO VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BID. THIS SHALL BE DONE IN ORDER TO CONFIRM THAT EQUIPMENT AND SERVICES CAN BE INSTALLED AS SHOWN ON DRAWINGS AND THAT ADDITIONAL COSTS WILL BE INCURRED TO FACILITATE INSTALLATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEERS OF ANY DISCREPANCIES, OMISSIONS, AND INTERFERENCES. CONTRACTOR SHALL PROVIDE INTERFERENCE DRAWINGS TO ENGINEER FOR REVIEW AND APPROVAL.
- ENSURE THAT ALL NEW AND EXISTING MECHANICAL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE AND THAT ACCESS REQUIREMENTS ARE NOT OBSTRUCTED BY NEW OR EXISTING SERVICES AND STRUCTURE. COORDINATE WITH PROJECT MANAGER AND ALL OTHER TRADES. INSTALL MECHANICAL EQUIPMENT IN SUCH A MANNER AS TO PROVIDE ALL ACCESS REQUIREMENTS. REFER TO SHOP DRAWINGS AND/OR MANUFACTURER'S RECOMMENDATIONS FOR ACCESS REQUIREMENTS. REPORT ANY OBSTRUCTIONS TO THE PROJECT MANAGER AND MECHANICAL ENGINEER. PROVIDE ACCESS COORDINATES, TEXT, AND SPECIFICATIONS.
- PROVIDE ALL REQUIRED CUTTING AND PATCHING OF EXISTING CEILING AND WALLS TO FACILITATE DEMOLITION AND THE INSTALLATION OF THE MECHANICAL SERVICES OUTLINED FOR THIS SCOPE OF WORK.
- WELDING TO BE PERFORMED WITH APPROPRIATE ENVIRONMENTAL CONDITIONS FOR WELDING AND FLAME EXHAUSTION.
- THE MECHANICAL DRAWINGS ARE PERFORMANCE DRAWINGS. DIAGNOSTIC AND SHOW APPROXIMATE LOCATIONS OF EQUIPMENT AND CONNECTING SERVICES. ANY INFORMATION REQUIRED TO ACCURATELY MEASURE THE BUILDING AREA TO BE TAKEN AT THE SITE. DO NOT SCALE THE DRAWINGS, AND DO NOT USE THE DRAWINGS FOR PREPARATION WORK.
- FOR CLARITY NOT ALL EXISTING EQUIPMENT, OUTDOOR PIPING, ETC. HAS BEEN SHOWN ON THE DRAWINGS. THE EXISTING EQUIPMENT, PIPES, DUCTS AND SERVICES ARE SHOWN FOR REFERENCE ONLY. EXACT LOCATIONS, SIZES AND DIMENSIONS SHALL BE DETERMINED ON SITE. WHERE APPROPRIATE, CONTRACTOR SHALL PROVIDE THE NEW WORK TO BE EXISTING PIPING.
- NOT ALL CONNECTIONS TO EQUIPMENT ARE SHOWN. REFER TO THE MANUFACTURER'S LITERATURE FOR ALL PIPING CONNECTIONS.
- CONTRACTOR IS TO BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL DUCTWORK AND EQUIPMENT AS SHOWN ON THE DEMOLITION PLAN.
- COORDINATE ALL TEMPORARY SHUT DOWNS WITH THE OWNER.
- SURVEY ALL APPLICABLE WORK AREAS AND REPORT ANOMALIES AND DISCREPANCIES TO CONSULTANT.
- WHERE CEILING, FLOOR, WALL OR ROOF OPENINGS ARE REQUIRED TO RUN MECHANICAL AND ELECTRICAL SERVICES, INCLUDE ALL COSTS FOR REINFORCING THE CEILING, FLOOR, WALL, OR ROOF. SEAL ALL OPENINGS WITH APPROVED FIRE STOPPING MATERIALS AS REQUIRED. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- IF ASBESTOS CONTAINING MATERIAL IS SUSPECTED OR IDENTIFIED IN THE WORK AREA AND REQUIRED TO BE HANDLED AS PART OF THE DEMOLITION PHASE OF THE PROJECT, CONTRACTOR SHALL STOP WORK AND PROVIDE CONSULTANT WITH A WRITTEN NOTIFICATION. CONTRACTOR SHALL NOT PROCEED WITH DEMOLITION OF SUCH AREAS WITHOUT AUTHORIZATION BY CONSULTANT. REMOVAL OF SUCH MATERIALS TO ACCOMMODATE THE WORK DESCRIBED AND OUTLINED IN THESE DRAWINGS SHALL BE ARRANGED THROUGH THE OWNER.
- ALL ABANDONED OR OBSOLETE MECHANICAL SERVICES SUCH AS VALVES, PIPING, EQUIPMENT, INSTRUMENTATION, ETC. SHALL BE REMOVED WITHIN THE WORK AREA TO FACILITATE ALL NEW MECHANICAL WORK.
- ANY WALL, FLOOR OR CEILING THAT ARE BEING TOUCHED DUE TO INSTALLATION OF NEW EQUIPMENT OR INSTALLATION OF NEW PIPING OR DUE TO REMOVAL OF EXISTING PIPING MUST BE REFINISHED TO MATCH EXISTING.
- ARRANGE FOR SPV AND FUEL SAFETY TESTS IN ACCORDANCE WITH THE APPROPRIATE REGULATIONS. WHERE APPLICABLE, APPLY FOR, OBTAIN, AND PAY FOR ALL PERMITS, FEES AND SERVICE CONNECTIONS FOR THE WORK AND THE NEIGHBORHOODS SERVED BY AUTHORITY'S WORKING JURISDICTION IN THE AREA WHERE THE WORK WILL TAKE PLACE. INCLUDE THE TESTS AND SALES, WHERE APPLICABLE, WITH THE WORK REPORTS AND SUBMITTED TO THE ENGINEER AND THE ENGINEER'S REVIEW. THE CONTRACTOR SHALL PROVIDE THE NEW WORK TO BE EXISTING PIPING.
- ALL SAFETY TESTS (ELECTRICAL ENGINEERS TESTS) AND FUEL SAFETY TESTS (FIREWORKERS OF TESTS) AT THE END OF THE WORK, THE NEW PLAN SHALL BE FULLY TESTED AND CERTIFIED.

Sheet Number	Sheet Title
M-001	MECHANICAL LEGEND, EQUIPMENT SCHEDULES & DRAWING LIST
M-100	MECHANICAL KEY PLAN
M-200	SOUTH BUILDING - HVAC - DEMO & NEW WORK
M-300	MECHANICAL DETAILS & CONTROL SEQUENCES

CONTROLS	
SYMBOL	DESCRIPTION
	SUPPLY FAN
	RETURN FAN
	EXHAUST FAN
	HEATING COIL
	COOLING COIL
	PRE-HEAT COIL
	FILTERS
	SUPPLY AIR
	EXHAUST AIR
	OUTDOOR AIR
	RETURN AIR
	MOTORIZED DAMPER
	MOTOR STARTER PANEL
	MOTOR CONTROL CENTER
	HUMIDIFIER
	NORMALLY OPEN POSITION
	NORMALLY CLOSED POSITION
	VARIABLE FREQUENCY DRIVE
	NORMALLY CLOSED CONTACT
	NORMALLY OPEN CONTACT
	FLOW SWITCH
	LEVEL SWITCH
	PRESSURE SWITCH
	ACTUATOR NORMALLY CLOSED POSITION (DE-ENERGIZED STATE)
	ACTUATOR NORMALLY OPEN POSITION (DE-ENERGIZED STATE)
	ACTUATOR FAIL OPEN POSITION
	ACTUATOR FAIL CLOSED POSITION
	ACTUATOR FAIL LAST POSITION
	TWO-POSITION ACTUATOR
	MODULATING ACTUATOR
	PRESSURE SENSOR
	DIFFERENTIAL PRESSURE SENSOR
	VELOCITY SENSOR
	HUMIDITY SENSOR
	TEMPERATURE SENSOR
	OCCUPANCY SENSOR
	CARBON MONOXIDE SENSOR
	NOX SENSOR
	OXYGEN SENSOR
	GAS DETECTION SYSTEM CONTROL PANEL
	VISUAL INDICATOR ALARM
	AUDIBLE INDICATOR ALARM
	BUILDING AUTOMATION SYSTEM
	ANALOG INPUT
	ANALOG OUTPUT
	DIGITAL INPUT
	DIGITAL OUTPUT
	BAS ADJUSTABLE SET POINT
	BACNET VARIABLE
	HAND-OFF-AUTO
	CONTROL WIRING

GENERAL	
SYMBOL	DESCRIPTION
	EXISTING TO REMAIN
	EXISTING TO BE DEMOLISHED
	EXISTING TO BE REMOVED FOR RELOCATION
	EXISTING RELOCATED IN NEW WORK
	NEW WORK
	CONNECT TO EXISTING
	AIRFLOW / PIPE FLOW DIRECTION
	PIPE TURNING DOWN
	PIPE TURNING UP
	PRESSURE REDUCING VALVE
	ROOM THERMOSTAT
	ROOM HUMIDISTAT
	CONTROL VALVE - TWO WAY
	CONTROL VALVE - THREE WAY
	ISOLATION VALVE
	BALANCING VALVE
	CHECK VALVE
	STRAINER - OVER 50MM WITH VALVED FLUSHING DRAIN
	PIPE BRANCH OFF TOP
	PIPE BRANCH OFF BOTTOM
	RELIEF VALVE
	PRESSURE GAUGE
	TEMPERATURE GAUGE
	CAP
	SOLENOID VALVE
	FUSIBLE LINK VALVE
	ELECTRIC HEAT TRACING

HEATING & COOLING PIPING	
SYMBOL	DESCRIPTION
	HEATING WATER RETURN
	HEATING WATER SUPPLY
	HEATING GLYCOL RETURN
	HEATING GLYCOL SUPPLY
	HIGH TEMPERATURE HEATING WATER RETURN
	HIGH TEMPERATURE HEATING WATER SUPPLY
	HIGH TEMPERATURE HEATING GLYCOL RETURN
	HIGH TEMPERATURE HEATING GLYCOL SUPPLY
	CONDENSER WATER RETURN
	CONDENSER WATER SUPPLY
	CHILLED WATER RETURN
	CHILLED WATER SUPPLY
	CHILLED GLYCOL RETURN
	CHILLED GLYCOL SUPPLY
	CONDENSATE DRAIN
	PUMPED CONDENSATE
	REFRIGERANT GAS
	REFRIGERANT LIQUID
	LOW PRESSURE STEAM
	LOW PRESSURE CONDENSATE
	HIGH PRESSURE STEAM
	HIGH PRESSURE CONDENSATE
	VENT
	STEAM VENT
	GEO-EXCHANGE SUPPLY
	GEO-EXCHANGE RETURN
	FUEL OIL SUPPLY
	FUEL OIL RETURN
	FUEL OIL VENT
	FUEL OIL OVERFLOW
	UNION
	MANUAL AIR VENT
	AUTOMATIC AIR VENT
	EXPANSION COMPENSATOR
	EXPANSION LOOP
	PIPE ANCHOR
	PIPE GUIDE
	PIPE SLEEVE
	FLOAT & THERMOSTATIC TRAP
	INVERTED BUCKET TRAP
	BASEBOARD HEATER
	RADIANT PANEL TYPE - HEAT OUTPUT
	CABINET UNIT HEATER
	UNIT HEATER

VENTILATION	
SYMBOL	DESCRIPTION
	FUSIBLE LINK FIRE DAMPER (DOUBLE LINE)
	FUSIBLE LINK FIRE DAMPER (SINGLE LINE)
	SMOKE DAMPER (DOUBLE LINE)
	SMOKE DAMPER (SINGLE LINE)
	COMBINATION SMOKE/FIRE DAMPER (DOUBLE LINE)
	COMBINATION SMOKE/FIRE DAMPER (SINGLE LINE)
	BACK DRAFT DAMPER (DOUBLE LINE)
	BACK DRAFT DAMPER (SINGLE LINE)
	BALANCING DAMPER (DOUBLE LINE)
	BALANCING DAMPER (SINGLE LINE)
	MOTORIZED DAMPER (DOUBLE LINE)
	MOTORIZED DAMPER (SINGLE LINE)
	RECTANGULAR DUCTWORK - DIMENSION AS SHOWN
	ROUND DUCTWORK - DIMENSION AS SHOWN
	DUCTWORK (SINGLE LINE) - DIMENSION AS SHOWN
	RECTANGULAR SUPPLY/OUTDOOR AIR DUCT UP
	RECTANGULAR EXHAUST/RETURN AIR DUCT UP
	CIRCULAR SUPPLY/OUTDOOR AIR DUCT UP
	CIRCULAR EXHAUST/RETURN AIR DUCT UP
	RECTANGULAR SUPPLY/OUTDOOR AIR DUCT DOWN
	RECTANGULAR EXHAUST/RETURN AIR DUCT DOWN
	CIRCULAR SUPPLY/OUTDOOR AIR DUCT DOWN
	CIRCULAR EXHAUST/RETURN AIR DUCT DOWN
	MITRED ELBOW WITH TURNING VANES
	DUCT RISE (DOUBLE LINE)
	DUCT RISE (SINGLE LINE)
	SUPPLY GRILLE - DIMENSIONS AS SHOWN ON SCHEDULE
	EXHAUST/RETURN GRILLE - DIMENSIONS AS SHOWN ON SCHEDULE
	CEILING SUPPLY AIR DIFFUSER - DIMENSIONS AS SHOWN ON SCHEDULE
	LINEAR SLOT DIFFUSER - DIMENSIONS AS SHOWN ON SCHEDULE
	CEILING EXHAUST/RETURN GRILLE - DIMENSIONS AS SHOWN ON SCHEDULE
	SUPPLY AIR ROUND DIFFUSER
	BRANCH TAKE-OFF WITH ADJUSTABLE SPLITTER DAMPER IN SUPPLY DUCT (DOUBLE LINE)
	BRANCH TAKE-OFF WITH ADJUSTABLE SPLITTER DAMPER IN SUPPLY DUCT (SINGLE LINE)
	OPEN ENDED DUCT WITH BALANCING DAMPER AND BELLMOUTH (DIRECTION AS SHOWN) (DOUBLE LINE)
	OPEN ENDED DUCT WITH BALANCING DAMPER AND BELLMOUTH (DIRECTION AS SHOWN) (SINGLE LINE)
	FLEXIBLE DUCT CONNECTION
	ACOUSTICALLY LINED DUCTWORK (DOUBLE LINE)
	ACOUSTICALLY LINED DUCTWORK (SINGLE LINE)
	DUCT SILENCER
	FLEXIBLE DUCT (DOUBLE LINE)
	FLEXIBLE DUCT (SINGLE LINE)
	FLEXIBLE DUCT CONNECTION WITH BALANCING DAMPER ON TAKE-OFF
	DUCT MOUNTED HEATING COIL (DOUBLE LINE)
	DUCT MOUNTED HEATING COIL (SINGLE LINE)
	SUPPLY AIR TERMINAL BOX CW REHEAT COIL AND ATTENUATOR
	SUPPLY AIR TERMINAL BOX CW ATTENUATOR
	RETURN / EXHAUST AIR TERMINAL BOX ATTENUATOR
	FIRE RATED DUCTWORK (DOUBLE LINE)
	DUCT TRANSITION FROM RECTANGULAR TO ROUND
	RECTANGULAR DUCT BREAK
	ROUND DUCT BREAK
	SINGLE LINE DUCT BREAK
	TRANSFER AIR DUCT
	SUPPLY AIR LIGHT TROFFER
	75mm (3x4) DOOR UNDERCUT



158 Sterling Rd 6th Floor,  
Toronto, ON M6R 2B7  
T +1 (416) 596-8300



250 ROWNTREE DARY RD, WOODBRIDGE, ON  
TEL: 905-507-0860  
WEB: WWW.QUASARGROUP.COM

FOR QUESTIONS REGARDING THIS PROJECT, PLEASE EMAIL:  
CM-23-257@QUASARGROUP.COM

THE SPECIFICATIONS ARE TO BE CONSIDERED AS AN INTEGRAL PART OF THESE DRAWINGS AND NEITHER THE DRAWINGS NOR THE SPECIFICATIONS SHALL BE USED ALONE. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS. DO NOT SCALE.

NO.	ISSUE/REVISION	DATE
1	ISSUED FOR ADD-M1	2025-01-14
2	ISSUED FOR IF1	2024-12-03
3	ISSUED FOR IF1	2024-09-03
1	ISSUED FOR COORDINATION	2024-05-01
NO.	ISSUE/REVISION	DATE

# Toronto Zoo Community Conservation Campus

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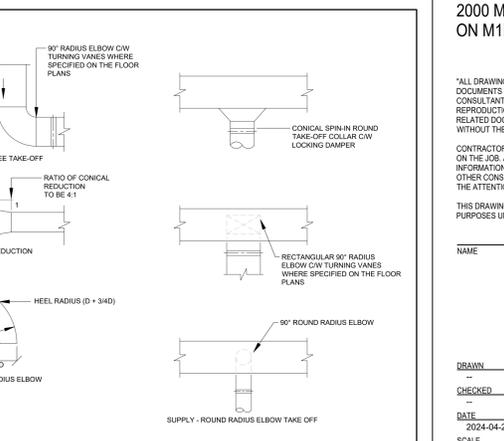
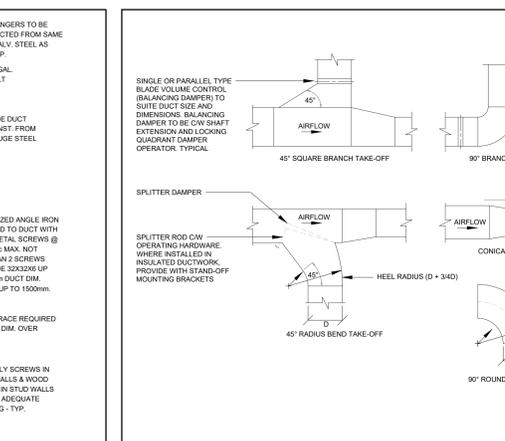
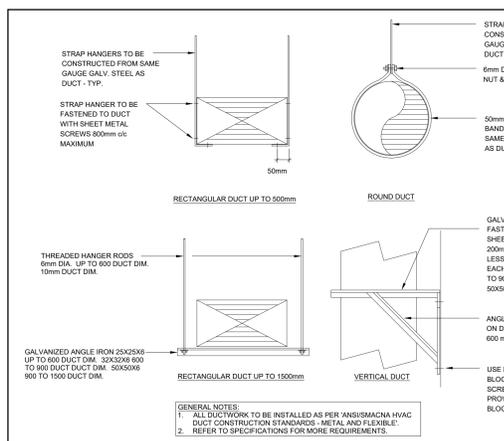
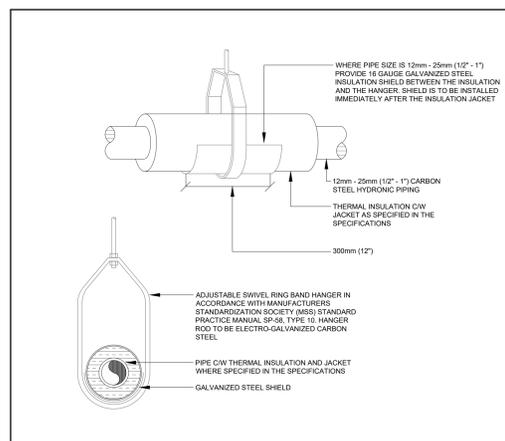
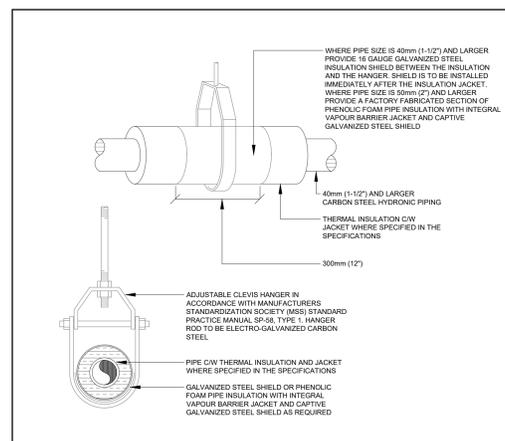
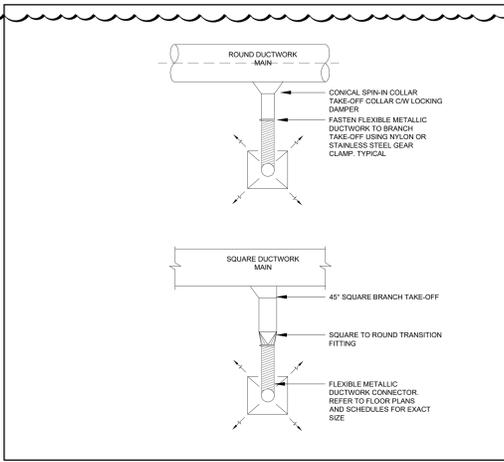
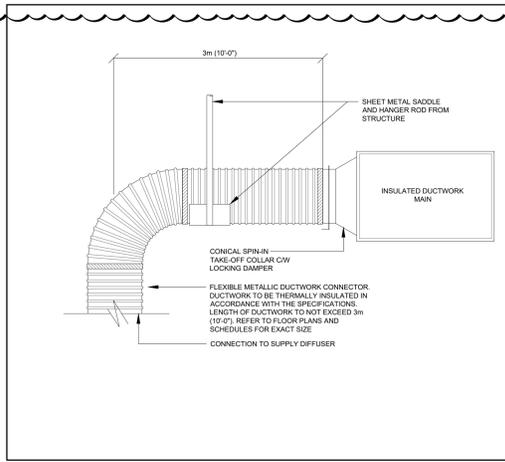
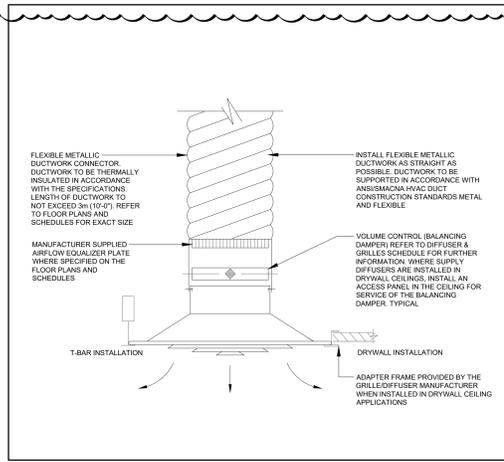
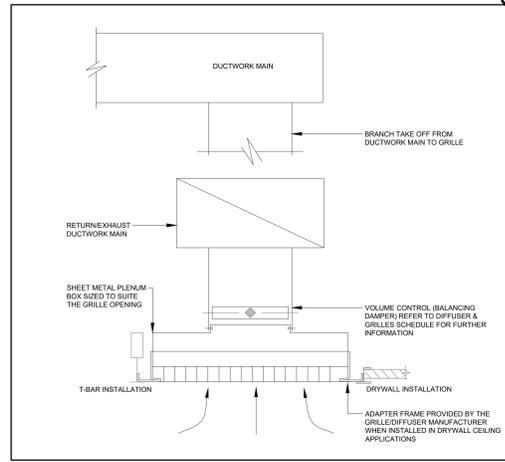
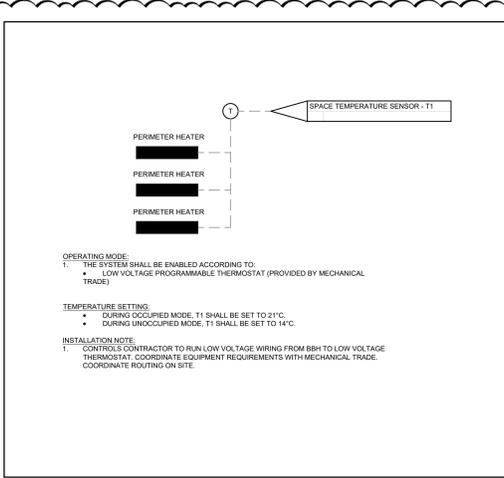
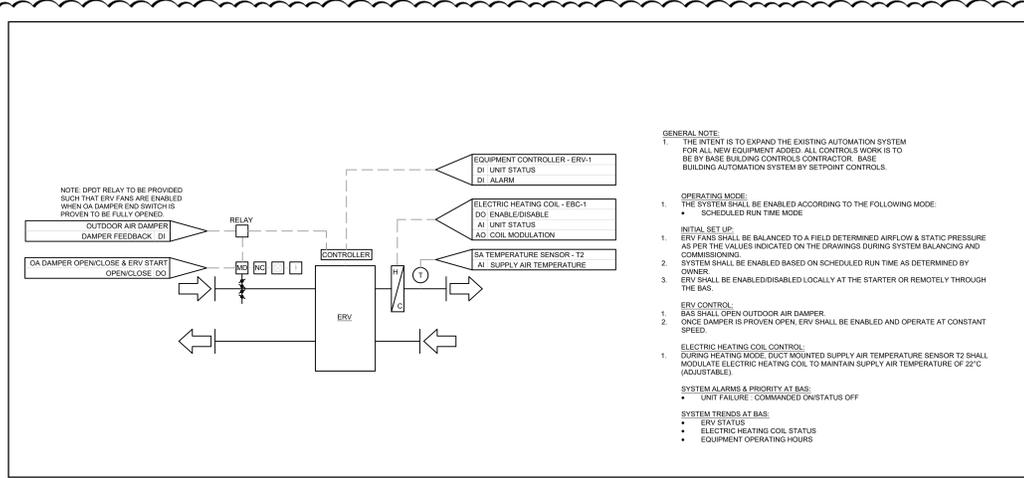
DATE: 2024-04-23

SCALE: N.T.S.

PROJECT NO: CM-23-257







NO.	ISSUE/REVISION	DATE
1	ISSUED FOR COORDINATION	2024-05-01
2	ISSUED FOR RFP	2024-05-08
3	ISSUED FOR RFP	2024-12-03
4	ISSUED FOR ADD-M1	2025-01-14

# Toronto Zoo Community Conservation Campus

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CHECKED \_\_\_\_\_  
DATE 2024-04-23  
SCALE N.T.S.  
PROJECT NO. CM-23-257

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**Project Name:** Toronto Zoo Member & Guest Services Building Reno      **Date Issued:** January 14, 2025  
**Quasar Project #:** CM-23-257  
**Client Project#:**

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**Distribution**

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Ziedler Architecture Inc	Mike Smith	<a href="mailto:msmith@ziedler.com">msmith@ziedler.com</a>

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**Addendum #:** E-1  
**Revision #:** 0

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This Addendum forms part of the Contract Specifications and Drawings, and modifies the Bidding Documents, with Amendments and Additions noted below. This Addendum shall be added to the front of the specifications as issued. Bidders shall acknowledge receipt of this Addendum in the space provided in the Bid Form and include in bid amount.

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This addendum includes modifications to the drawings and specifications as summarized below. Unless otherwise noted, all drawings and/or specifications listed below are attached herewith.

**Changes to Drawings:**

1. **DRAWING #E-101 – DEMOLITION AND NEW WORK PLANS – LIGHTING (Issued herewith)**
  - a. Detail #4 updated to correct drawing scale to show full scope of work.
  - b. Provide two (2) additional type L2 luminaires in Cash Office #23 and one (1) additional type L2 luminaire in Corridor #23A. Also modify location of ceiling mounted occupancy sensors as indicated.
  - c. Existing luminaires added to details #1 and #3 for reference purposes.
2. **DRAWING #E-201 – DEMOLITION AND NEW WORK PLANS – POWER & SYSTEMS (Issued herewith)**
  - a. Note revision to keyed note #5 to accommodate connection to line voltage thermostat.
  - b. Added keyed notes #8 through #15, provide all work indicated.
  - c. Added locations of line voltage thermostats to detail #4. Thermostat to be supplied and installed by mechanical contractor and connected to same circuit as baseboard heater.
  - d. Refer to detail #4 and note clarification of keyed note for keypad within this room.
  - e. Refer to detail #4 and provide connections to new BAS controller, electric baseboard heaters, ceiling mounted ERV unit, wall mounted indoor A/C unit and ceiling mounted electric booster coil as indicated.
  - f. Refer to detail #4 and provide new ceiling mounted heat detectors within Rooms #22 and #23 as indicated.
3. **DRAWING #E-301 – ELECTRICAL SCHEDULES AND DETAILS (Issued herewith)**
  - a. Note revisions to panel schedule for new panel LP-RB and provide additional breakers and connections as indicated.

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3	ISSUED FOR FIT	2024-12-03
4	ISSUED WITH ADDENDUM E-1	2025-01-14

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1:200

PROJECT NO.

CM-23-257

### GENERAL DEMOLITION NOTES

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- FOR EXISTING WIRING DEVICES NOTED AS BEING REMOVED, BE RESPONSIBLE TO REMOVE DEVICE AND ASSOCIATED WIRING IN ITS ENTIRETY, INCLUDING ANY ASSOCIATED CONDUIT BACK TO SOURCE PANEL OR JUNCTION BOX. BE RESPONSIBLE TO MAINTAIN THE DOWNSTREAM CONTINUITY OF ANY OTHER DEVICES CONNECTED TO THE SAME BRANCH CIRCUIT.

### DEMOLITION WORK KEY NOTES

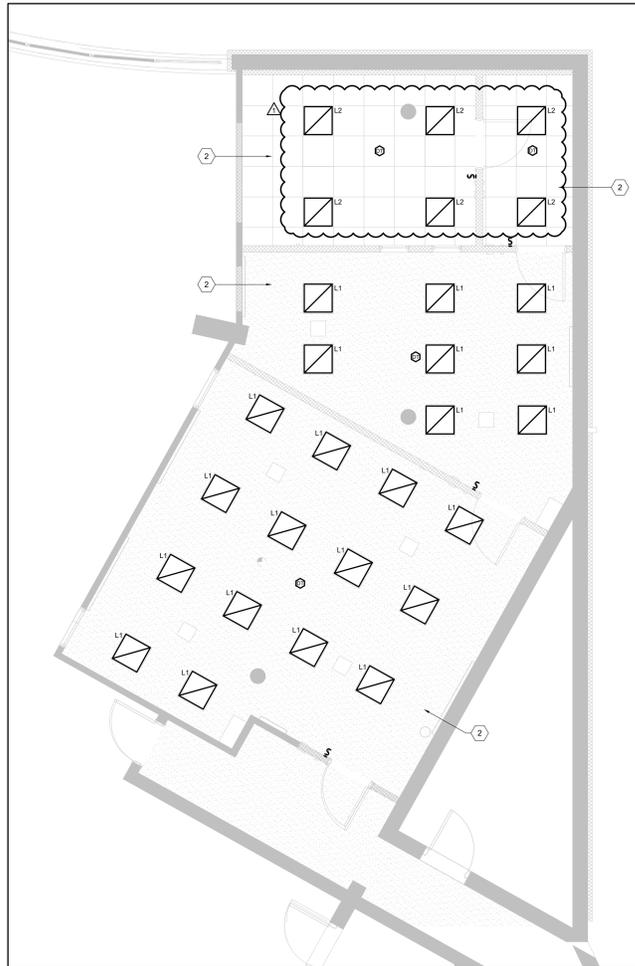
- EXISTING LIGHT SWITCH TO BE DISCONNECTED AND REMOVED IN ITS ENTIRETY. BE RESPONSIBLE TO MODIFY EXISTING BRANCH CIRCUIT AS REQUIRED TO ACCOMMODATE REMOVAL OF EXISTING SWITCH AND PROVISION OF NEW AS SHOWN ON NEW WORK DRAWINGS.
- EXISTING LUMINAIRES WITHIN THIS SPACE TO BE REMOVED IN THEIR ENTIRETY. BE RESPONSIBLE TO RETAIN EXISTING BRANCH CIRCUIT FROM SOURCE PANELBOARD, MODIFY EXISTING BRANCH CIRCUIT WIRING AS REQUIRED AND RECONNECT TO NEW LUMINAIRE AND SWITCHING ARRANGEMENT AS SHOWN ON NEW WORK PLANS.

### GENERAL NEW WORK NOTES

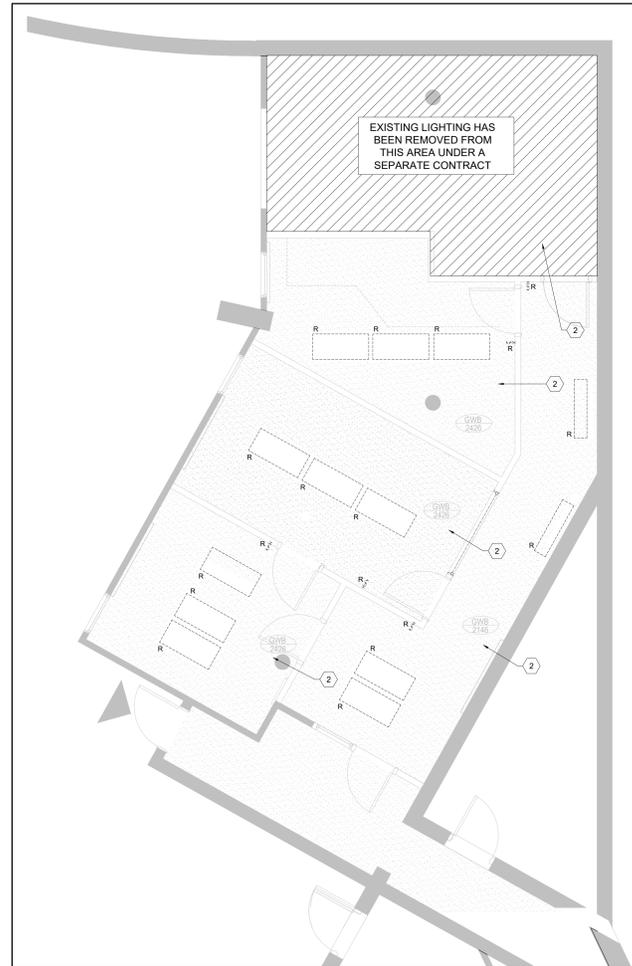
- CONTRACTOR SHALL ALSO REFERENCE ARCHITECTURAL REFLECTED CEILING PLANS AND INTERIOR ELEVATIONS FOR LOCATION OF LIGHTING AND/OR WIRING DEVICES.
- INSTALLATION OF ALL EQUIPMENT WITHIN CEILING SPACE SHALL BE COORDINATED ON SITE WITH ALL OTHER TRADES. ALSO REFER TO STRUCTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS OF BEAMS, JOISTS, DUCTWORK, ETC. AND COORDINATE ROUTING AND INSTALLATION OF ELECTRICAL EQUIPMENT WITH THESE DRAWINGS.
- ALL BRANCH FEEDERS SHALL BE MINIMUM 2012 + GROUND IN 21mm CONDUIT, UNLESS NOTED OTHERWISE ON THE DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE TO USE FEEDERS AS REQUIRED TO SUIT THE REQUIREMENTS OF THE O.S.C. AND THE VOLTAGE DROP CHART ON DRAWING REV. 02.
- NEW DEVICES INSTALLED ON EXISTING WALL CONSTRUCTION SHALL BE INSTALLED SURFACE MOUNTED ON CAST FS BACKBOXES WITH SURFACE RACEWAY (LEGRAND 400 SERIES OR EQUIVALENT). DEVICES INSTALLED IN NEW WALL CONSTRUCTION SHALL BE INSTALLED FLUSH MOUNTED OR SURFACE MOUNTED TO SUIT APPLICATION WITH FLUSH MOUNTED BACKBOXES AND CONDUIT WITHIN WALL.

### NEW WORK SHEET KEY NOTES

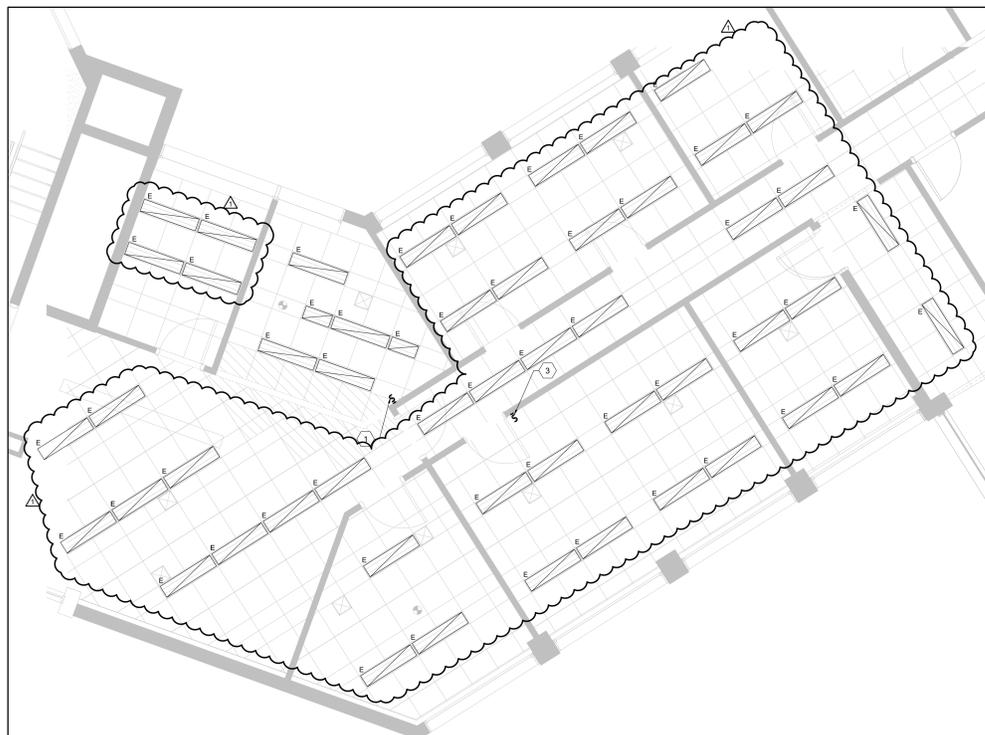
- PROVIDE NEW LIGHT SWITCH IN LOCATION SHOWN AND CONNECT TO EXISTING LIGHTING AND LIGHTING CIRCUIT WITHIN NEW LOUNGE SPACE.
- CONNECT NEW LIGHTING AND/OR LIGHTING CONTROLS TO EXISTING BRANCH CIRCUIT WITHIN THIS SPACE.
- PROVIDE NEW LINE VOLTAGE SWITCH AND CONNECT TO EXISTING LUMINAIRES AND LIGHTING CIRCUIT IN THIS SPACE. MODIFY EXISTING LIGHTING BRANCH CIRCUIT AS REQUIRED TO ACCOMMODATE NEW SWITCH.



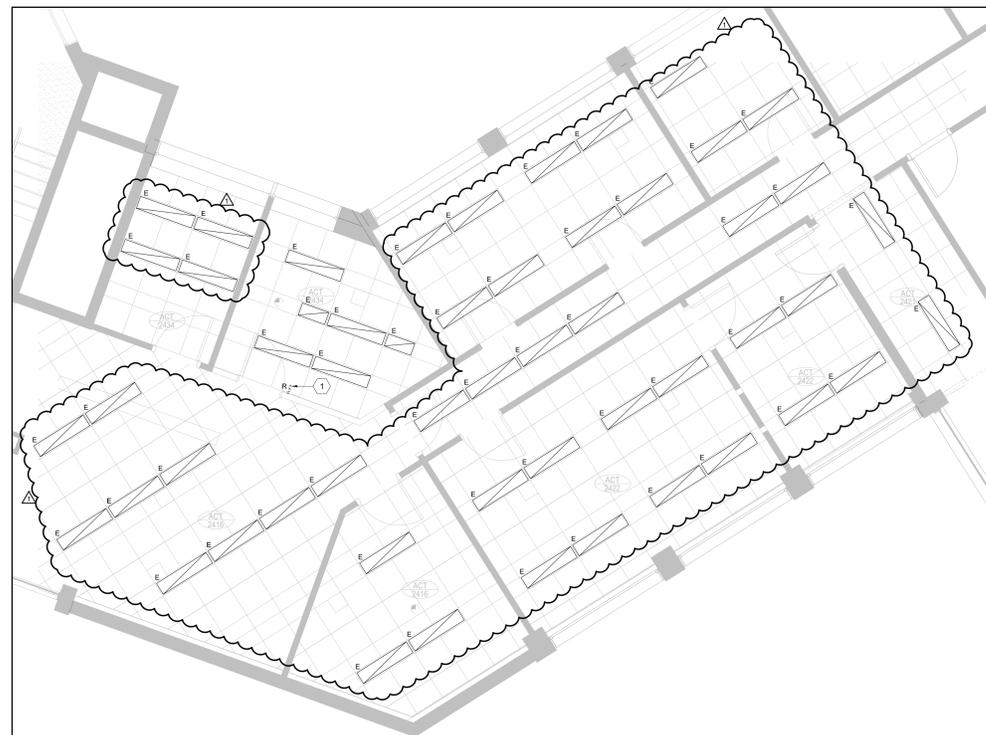
4 PARTIAL GROUND FLOOR NEW WORK PLAN - LIGHTING  
SCALE: 1:50



2 PARTIAL FIRST FLOOR DEMOLITION PLAN - LIGHTING  
SCALE: 1:50



3 PLAZA AREA NEW WORK PLAN - LIGHTING  
SCALE: 1:50



1 PLAZA AREA DEMOLITION PLAN - LIGHTING  
SCALE: 1:50

NO.	ISSUE/REVISION	DATE
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3	ISSUED FOR FIT	2024-12-03
4	ISSUED WITH ADDENDUM E-1	2025-01-14

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PROJECT NO.

CM-23-257

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- FOR EXISTING DATA OUTLETS NOTED AS BEING REMOVED, BE RESPONSIBLE TO REMOVE EXISTING DEVICE AND ASSOCIATED WIRING IN ITS ENTIRETY. WIRING SHALL BE PULLED BACK TO EXISTING LAN ROOM ON GROUND FLOOR AND COILED FOR FUTURE USE OR REMOVAL BY OWNER.
- FOR EXISTING WIRING DEVICES NOTED AS BEING REMOVED, BE RESPONSIBLE TO REMOVE DEVICE AND ASSOCIATED WIRING IN ITS ENTIRETY, INCLUDING ANY ASSOCIATED CONDUIT BACK TO SOURCE PANEL OR JUNCTION BOX. BE RESPONSIBLE TO MAINTAIN THE CONTINUITY OF ANY OTHER DEVICES CONNECTED TO THE SAME BRANCH CIRCUIT.

### DEMOLITION WORK KEY NOTES

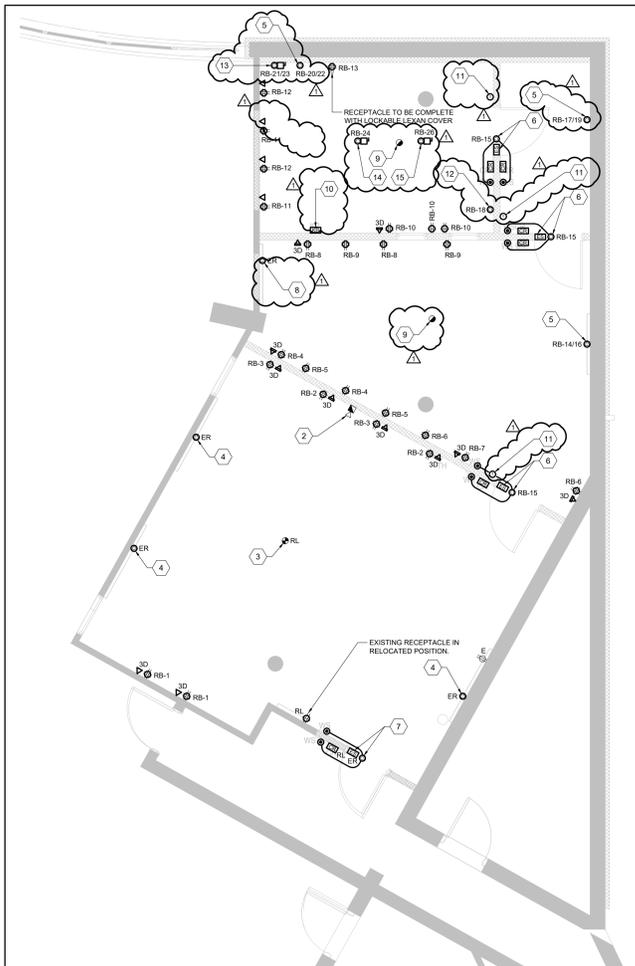
- EXISTING SURFACE MOUNTED RECEPTACLE TO BE RELOCATED TO ACCOMMODATE NEW COUNTER. RECEPTACLE SHALL BE RAISED APPROXIMATELY 80mm (3-1/8") ABOVE CURRENT INSTALLATION HEIGHT. COORDINATE EXACT INSTALLATION HEIGHT ON SITE AND WITH ARCHITECTURAL ELEVATIONS. MODIFY EXISTING BRANCH FEEDER AS REQUIRED TO SUIT NEW LOCATION OF DEVICE AS SHOWN ON NEW WORK PLANS.
- EXISTING ELECTRIC BASEBOARD HEATER TO BE REMOVED IN ITS ENTIRETY. BE RESPONSIBLE TO RETAIN EXISTING BRANCH CIRCUIT. MODIFY AS REQUIRED AND RECONNECT TO NEW BASEBOARD HEATER COMPLETE. BASEBOARD HEATER TO BE SUPPLIED UNDER MECHANICAL DIVISION AND INSTALLED AND CONNECTED UNDER THIS DIVISION.
- EXISTING FIRE ALARM BELL TO BE DISCONNECTED AND REMOVED TO ACCOMMODATE THE RENOVATION SCOPE OF WORK. BE RESPONSIBLE TO MODIFY EXISTING ALARM SIGNALING CIRCUIT AS REQUIRED TO ACCOMMODATE NEW HEAVY HORN AS SHOWN ON NEW WORK PLANS.
- EXISTING CEILING MOUNTED FIRE ALARM DETECTOR TO BE DISCONNECTED AND REMOVED AS PART OF THE RENOVATION WORK. BE RESPONSIBLE TO RETAIN EXISTING DEVICE. MODIFY EXISTING ALARM INITIATING CIRCUIT AS REQUIRED AND RECONNECT TO EXISTING DEVICE NEW LOCATION AS SHOWN ON NEW WORK PLANS. BE RESPONSIBLE TO TEST AND VERIFY DEVICE UPON COMPLETION OF WORK.
- ACCESS CONTROL SYSTEM AND POWER CONNECTIONS TO EXISTING CARD READER AND ASSOCIATED ELECTRIC STRIKE TO BE MODIFIED AS REQUIRED TO ACCOMMODATE RELOCATION OF EXISTING DOOR. BE RESPONSIBLE TO RELOCATE EXISTING CARD READER IN ITS ENTIRETY AND MODIFY EXISTING BRANCH CIRCUIT COMPLETE. COORDINATE EXACT LOCATION OF NEW DEVICE AND CONNECT TO NEW STRIKE ON RELOCATED DOOR. COORDINATE ALL WORK WITH GENERAL CONTRACTOR ON SITE.
- CONNECTIONS TO EXISTING CARD READER AND ELECTRIC STRIKE AND ASSOCIATED DEVICES TO BE REMOVED IN THEIR ENTIRETY, INCLUDING ALL EXISTING WIRING AND CONDUIT BACK TO SOURCE.

### GENERAL NEW WORK NOTES

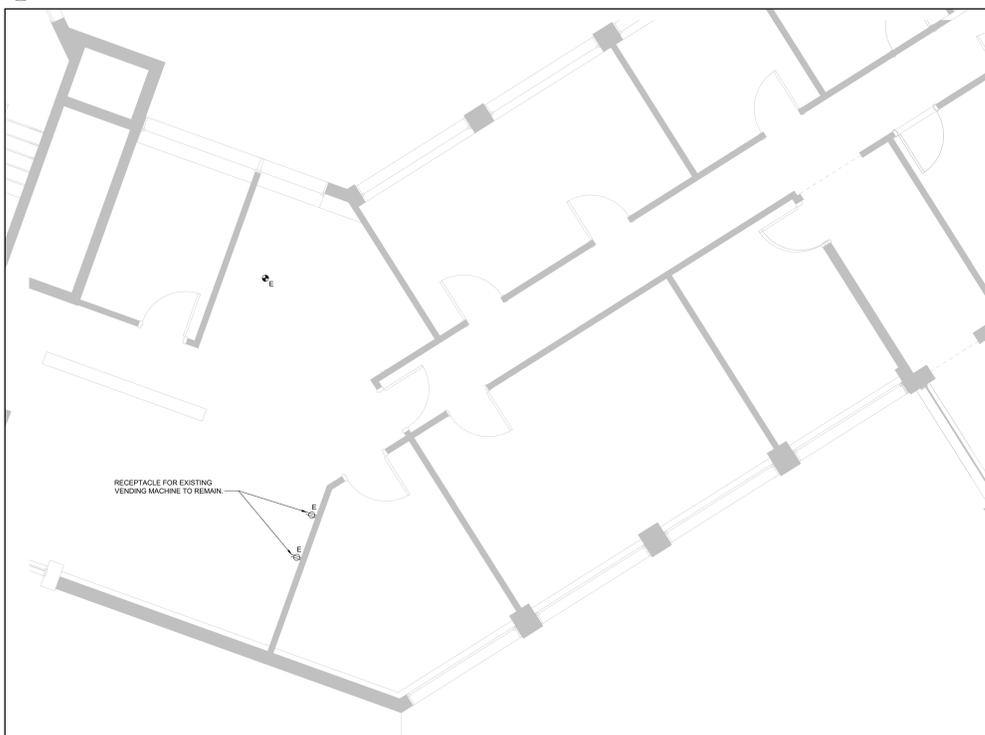
- CONTRACTOR SHALL ALSO REFERENCE ARCHITECTURAL REFLECTED CEILING PLANS AND INTERIOR ELEVATIONS FOR LOCATION OF LIGHTING AND/OR WIRING DEVICES.
- INSTALLATION OF ALL EQUIPMENT WITHIN CEILING SPACE SHALL BE COORDINATED ON SITE WITH ALL OTHER TRADES. ALSO REFER TO STRUCTURAL AND MECHANICAL DRAWINGS FOR LOCATION OF BEAMS, JOISTS, DUCTWORK, ETC. AND COORDINATE ROUTING AND INSTALLATION OF ELECTRICAL EQUIPMENT WITH THESE DRAWINGS.
- ALL NEW RECEPTACLES AND SWITCHES SHALL BE WHITE IN COLOUR WITH STAINLESS STEEL FACEPLATES.
- ALL BRANCH FEEDERS SHALL BE MINIMUM 2112 + GROUND IN 21mm CONDUIT, UNLESS NOTED OTHERWISE ON THE DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE TO UPSIZE FEEDERS AS REQUIRED TO SUIT THE REQUIREMENTS OF THE I.E.C. AND THE VOLTAGE DROP CHART ON DRAWING HX-00.
- NEW DEVICES INSTALLED ON EXISTING WALL CONSTRUCTION SHALL BE INSTALLED SURFACE MOUNTED ON CAST IN BACKBOXES WITHIN SURFACE RACEWAY (E.G. RAN-400 SERIES OR EQUIVALENT). DEVICES INSTALLED ON NEW WALL CONSTRUCTION SHALL BE INSTALLED FLUSH MOUNTED OR SURFACE MOUNTED TO SUIT APPLICATION WITH FLUSH MOUNTED BACKBOXES AND CONDUIT WITHIN WALL.

### NEW WORK SHEET KEY NOTES

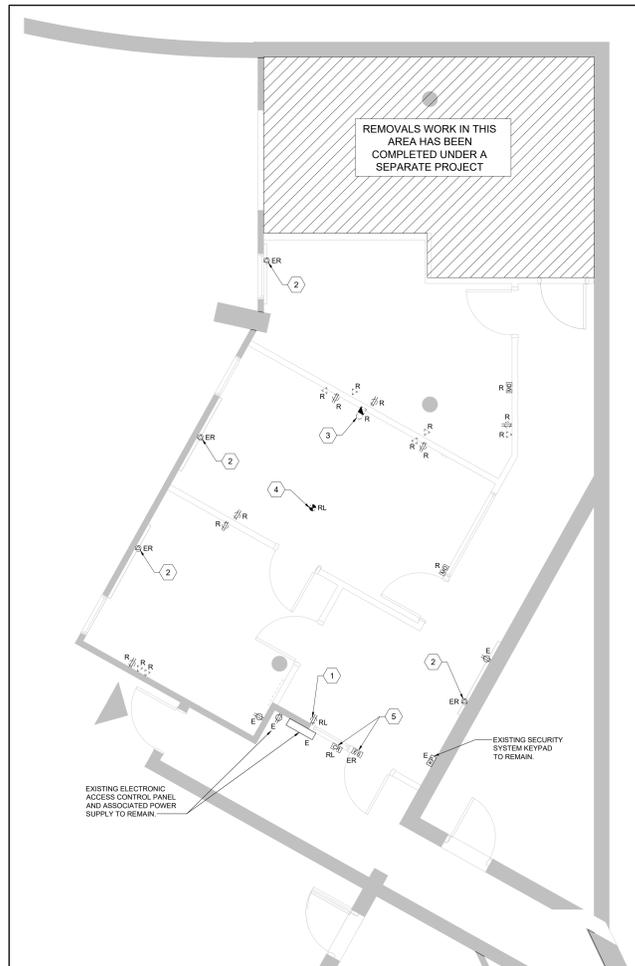
- PROVIDE NEW 15A DUPLEX RECEPTACLE FOR RELOCATED VENDING MACHINE AND RECONNECT TO EXISTING BRANCH CIRCUIT COMPLETE.
- PROVIDE NEW FIRE ALARM HORN AND CONNECT INTO EXISTING ALARM SIGNALING CIRCUIT. INCLUDE FOR MODIFICATION OF EXISTING SIGNALING CIRCUIT AS REQUIRED AND PROVIDE ADDITIONAL BOOSTERS AS REQUIRED TO ACCOMMODATE NEW WORK.
- EXISTING FIRE ALARM DETECTOR IN RELOCATED POSITION.
- CONNECTION TO NEW SURFACE WALL MOUNTED BASEBOARD HEATER. MODIFY EXISTING BRANCH CIRCUIT FROM EXISTING HEATERS AS REQUIRED AND RECONNECT TO NEW HEATER COMPLETE. HEATER SHALL BE SUPPLIED BY MECHANICAL CONTRACTOR AND INSTALLED UNDER THIS DIVISION. CONFIRM EXACT LOCATION OF HEATER ON SITE WITH ARCHITECT PRIOR TO INSTALLATION. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE NEW LINE VOLTAGE WIRING, IN CONDUIT, FROM HEATER TO NEW LINE VOLTAGE THERMOSTAT SUPPLIED AND INSTALLED BY MECHANICAL CONTRACTOR WITHIN ASSOCIATED ROOM.
- CONNECTION TO NEW CEILING MOUNTED HEAT DETECTOR AND CONNECT INTO NEAREST EXISTING ALARM INITIATING ZONE CIRCUIT. BE RESPONSIBLE TO MODIFY EXISTING ZONE CIRCUIT AS REQUIRED TO ACCOMMODATE NEW DEVICE. NEW DEVICE SHALL BE TESTED AND VERIFIED UPON COMPLETION OF WORK.
- MODIFY EXISTING BRANCH CIRCUIT SERVING ELECTRIC STRIKE ON THIS DOOR TO ACCOMMODATE CONNECTION TO NEW POWER DOOR OPERATOR. COORDINATE EXACT LOCATION AND FINAL CONNECTIONS WITH GENERAL CONTRACTOR ON SITE. INCLUDE FOR REQUIRED LINE AND LOAD CONNECTIONS TO ASSOCIATED DOOR OPERATOR ACTUATORS.
- CONNECTION TO NEW SURFACE WALL MOUNTED BASEBOARD HEATER. MODIFY EXISTING BRANCH CIRCUIT FROM EXISTING HEATERS AS REQUIRED AND RECONNECT TO NEW HEATER COMPLETE. HEATER SHALL BE SUPPLIED BY MECHANICAL CONTRACTOR AND INSTALLED UNDER THIS DIVISION. CONFIRM EXACT LOCATION OF HEATER ON SITE WITH ARCHITECT PRIOR TO INSTALLATION. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE NEW LINE VOLTAGE WIRING, IN CONDUIT, FROM HEATER TO NEW LINE VOLTAGE THERMOSTAT SUPPLIED AND INSTALLED BY MECHANICAL CONTRACTOR WITHIN ASSOCIATED ROOM.
- PROVIDE NEW CEILING MOUNTED HEAT DETECTOR AND CONNECT INTO NEAREST EXISTING ALARM INITIATING ZONE CIRCUIT. BE RESPONSIBLE TO MODIFY EXISTING ZONE CIRCUIT AS REQUIRED TO ACCOMMODATE NEW DEVICE. NEW DEVICE SHALL BE TESTED AND VERIFIED UPON COMPLETION OF WORK.
- PROVIDE NEW SECURITY SYSTEM KEY PAD WITHIN NEW CASH OFFICE AND CONNECT BACK TO EXISTING SECURITY ACCESS CONTROL PANEL WITHIN EXISTING ELECTRICAL ROOM. EXACT LOCATION OF KEY PAD TO BE CONFIRMED WITH OWNER ON SITE PRIOR TO ROUGH-IN.
- APPROXIMATE LOCATION OF NEW LINE VOLTAGE THERMOSTAT FOR NEW ELECTRIC BASEBOARD HEATERS SUPPLIED AND INSTALLED BY MECHANICAL CONTRACTOR. CONFIRM EXACT LOCATION ON SITE. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE NEW SINGLE GANG BACKBOX AND CONDUIT INFRASTRUCTURE TO ACCOMMODATE NEW THERMOSTAT.
- CONNECTION TO LOCAL BAS CONTROLLER WITHIN CEILING SPACE OF ROOM. COORDINATE EXACT LOCATION ON SITE WITH MECHANICAL CONTRACTOR. EXTEND 2112 + GROUND IN 21mm CONDUIT FROM ASSOCIATED BREAKER IN NEW PANEL LP-RB TO CONTROLLER LOCATION AND CONNECT COMPLETE.
- CONNECTION TO RE-INSTALL LED-INITIATED INDOOR SPILT AC UNIT. FOR BRANCH CIRCUIT INDICATED PROVIDE A NEW 20A-3P BREAKER WITHIN NEW PANEL LP-RB AND EXTEND 2112 + GROUND IN 21mm CONDUIT FROM BREAKER TO AC UNIT LOCATION AND CONNECT COMPLETE. UNIT SHALL BE INSTALLED BY MECHANICAL CONTRACTOR. CONFIRM EXACT LOCATION ON SITE. BE RESPONSIBLE TO CONFIRM REQUIRED BREAKER SIZE WITH MECHANICAL CONTRACTOR PRIOR TO ORDERING.
- CONNECTION TO NEW CEILING MOUNTED ERV UNIT ERV-6. FOR BRANCH CIRCUIT INDICATED, EXTEND 2112 + GROUND IN 21mm CONDUIT FROM ASSOCIATED BREAKER IN NEW PANEL LP-RB TO ERV LOCATION AND CONNECT COMPLETE. COORDINATE EXACT LOCATION OF ERV UNIT WITH MECHANICAL CONTRACTOR ON SITE.
- CONNECTION TO NEW ELECTRIC BOOSTER COIL 'B-C' WITHIN CEILING SPACE. FOR BRANCH CIRCUIT INDICATED, EXTEND 2112 + GROUND IN 21mm CONDUIT FROM ASSOCIATED BREAKER IN NEW PANEL LP-RB TO BOOSTER COIL LOCATION AND CONNECT COMPLETE. COORDINATE EXACT LOCATION OF BOOSTER COIL WITH MECHANICAL CONTRACTOR ON SITE.



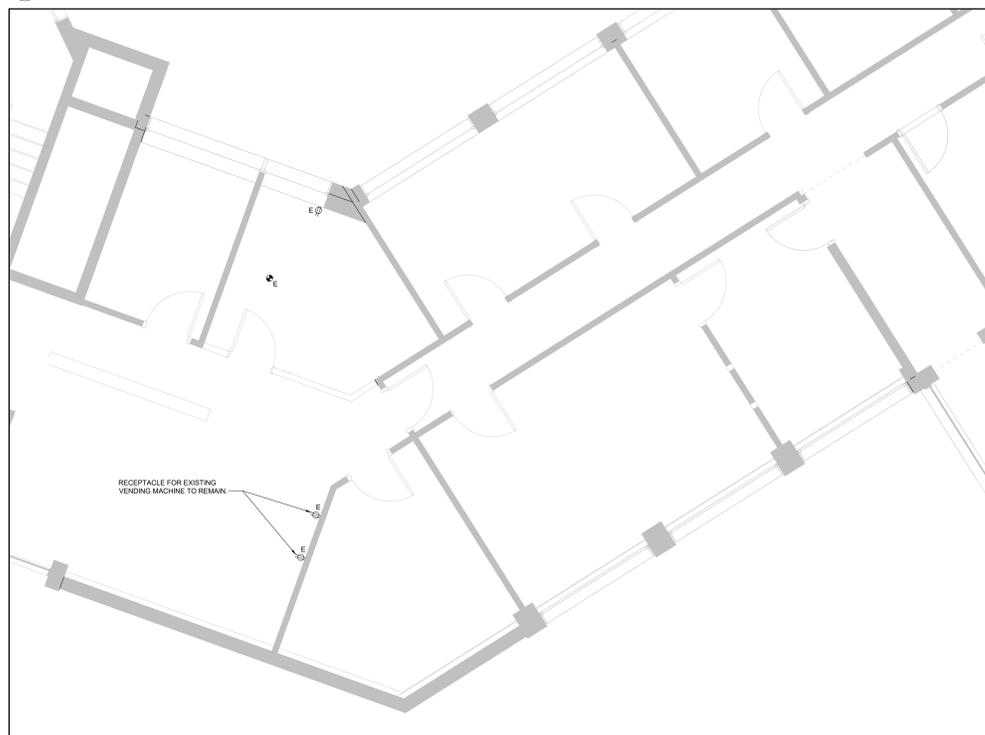
4 PARTIAL GROUND FLOOR NEW WORK PLAN - POWER & SYSTEMS  
SCALE: 1:50



3 PLAZA AREA NEW WORK PLAN - POWER & SYSTEMS  
SCALE: 1:50



2 PARTIAL FIRST FLOOR DEMOLITION PLAN - POWER & SYSTEMS  
SCALE: 1:50



1 PLAZA AREA DEMOLITION PLAN - POWER & SYSTEMS  
SCALE: 1:50

