PART 1 - ADDENDUM

1.1. INTENT

1.1.1. This Addendum is issued to provide for modifications and/or clarifications during Bidding and forms part of Bid and Contract Documents for above Project.

1.1.2. Except as otherwise specified herein, or as shown on accompanying Drawings, work required by this Addendum shall be in accordance with Specifications dated January 31, 2025 and Drawings accompanying same.

PART 2 - SPECIFICATIONS – PROCUREMENT AND CONTRACTING REQUIREMENTS GROUP AND SPECIFICATIONS GROUP

2.1. SPECIFICATIONS REVISIONS

2.1.1. Specification pages listed below accompany and form part of this Addendum.

2.1.2. Each revised Section voids and supersedes previously issued Section of same number in its entirety. Each page is marked at bottom with a "Revised & Reissued" entry that includes date of this issue. Extent of new, revised and/or deleted text is defined by leading and trailing ***1 . . . . . 1*** symbol, as applicable.

2.1.3. A new Section is added with this issue. Each page is marked at bottom with an "Issued" entry that includes date of this issue.

2.1.4. Revised Sections and Pages:

Section Number	Rev No.	Section Title	Page Numbers
00 01 10	01	Table of Contents	1 thru 7
01 33 23	00	Interference Drawings	1 Only
*02 42 20	01	Removal and Salvage of Heritage Materials	1 thru 5

LEGEND

** - Specifications prepared by Consultants other than ENFORM Architects Inc. have been prefixed by asterisks and are not included under, nor governed by, ENFORM Architects Inc.'s seal.*

PART 3 - CLARIFICATIONS

3.1. GENERAL CLARIFICATIONS

3.1.1. Following are general clarification items which form part of this Addendum:

3.1.1.1. Question No. 1:

3.1.1.1.1. Question: There are exposed steel rods and angles at the south and north walls of the former 3rd level Theatre space (grids 15 and 16 between grids J to C) which previously supported a lath and plaster wall surface. Refer to image below. Should they be demolished?

3.1.1.1.2. Answer: Yes. Please refer to new Note No. 69 in Architectural Drawing AD203.

3.1.1.2. Question No. 2:

3.1.1.2.1. Question: Section 10 22 26, Folding Panel Operable Partitions. Please advise if both operable partitions to be FB-1 and White board in the centre.

3.1.1.2.2. Answer: Folding partitions (D115.2 and D204.1) are FB-1 and have a 1500 mm high white board in the centre (both sides).

PART 4 - DRAWINGS

4.1. DRAWING NO: A100

4.1.1. Drawing No. A100 attached is modified as follows:

4.1.1.1. Added 1-hr fire rated ceiling to Elec 325A room.

4.2. DRAWING NO: A218

4.2.1. Drawing No. A218 attached is modified as follows:

4.2.1.1. Relocated doors #327 and #328.

4.3. DRAWING NO: AD203

4.3.1. Drawing No. AD203 attached is modified as follows:

4.3.1.1. Added Note No. 69.

PART 5 - MECHANICAL

5.1. MECHANICAL REQUIREMENTS

5.1.1. Mechanical Consultant has issued “Tender Addendum: M-01” which is 1 page and dated “March 7, 2025" and forms part of this Addendum.

PART 6 - ELECTRICAL

6.1. ELECTRICAL REQUIREMENTS

6.1.1. Electrical Consultant has issued “Bid Addendum No.: #01” which is 1 page and dated “March 7, 2025" and forms part of this Addendum.

END OF SECTION

PROCUREMENT AND CONTRACTING REQUIREMENTS GROUP					
DIVISION 00 – PROCUREMENT AND CONTRACTING REQUIREMENTS					
INTRODUCTORY INFORMATION					
Section No.	***Section Title***	***Rev. No.***	***Date***	***Consult.***	***Page No's***
00 00 01	PROJECT TITLE PAGE	--	2025-01-31	EAI	1 Only
00 01 05	LIST OF CONSULTANTS	00	2025-01-31	EAI	1 and 2
00 01 10	**TABLE OF CONTENTS**	**01**	**2025-03-07**	**EAI**	**1 thru 7**
00 01 15	LIST OF DRAWINGS	00	2025-01-31	EAI	1 and 2
00 01 20	LIST OF SCHEDULES	00	2025-01-31	EAI	1 Only
PROCUREMENT REQUIREMENTS					
00 30 00	AVAILABLE INFORMATION	00	2025-01-31	EAI	1 and 2
CONTRACTING REQUIREMENTS					
00 65 37	MAINTENANCE MATERIAL FORM (SPECIMEN)	00	2025-01-31	EAI	1 Only
*00 70 00	"AGREEMENT BETWEEN OWNER AND CONTRACTOR", "DEFINITIONS" AND "GENERAL CONDITIONS", STANDARD CONSTRUCTION DOCUMENT CCDC 2 - 2020				Not Enclosed
00 71 00	AMENDMENTS TO DEFINITIONS	00	2025-01-31	EAI	1 and 2
SPECIFICATIONS GROUP ***GENERAL REQUIREMENTS SUBGROUP***					
DIVISION 01 – GENERAL REQUIREMENTS					
01 33 23	**INTERFERENCE DRAWINGS**	**00**	**2025-03-07**	**EAI**	**1 Only**
*01 35 91	HERITAGE PROTECTIVE MEASURES	00	2025-01-31	EVOQ	1 thru 5
*01 42 16	HERITAGE DEFINITIONS	00	2025-01-31	EVOQ	1 and 2
FACILITY CONSTRUCTION SUBGROUP					
DIVISION 02 – EXISTING CONDITIONS					
02 41 00	DEMOLITION AND SALVAGE	00	2025-01-31	EAI	1 thru 6
***02 42 20**	**REMOVAL AND SALVAGE OF HERITAGE MATERIALS**	**01**	**2025-03-07**	**EVOQ**	**1 thru 5**
DIVISION 03 – CONCRETE					
*03 01 37	CONCRETE RESTORATION	04	2025-01-31	EC	1 thru 14
*03 10 00	CONCRETE FORMING	04	2025-01-31	EC	1 thru 11
*03 20 00	CONCRETE REINFORCEMENT	04	2025-01-31	EC	1 thru 7
*03 30 00	CAST-IN-PLACE CONCRETE	04	2025-01-31	EC	1 thru 18

*03 30 53	MISCELLANEOUS CAST-IN-PLACE CONCRETE	00	2025-01-31	HKA	1 thru 4
03 35 13	CONCRETE FLOOR FINISHING	00	2025-01-31	EAI	1 thru 7
03 54 00	CAST CEMENT UNDERLAYMENT	00	2025-01-31	EAI	1 thru 5
DIVISION 04 – MASONRY					
*04 03 01	COMMON WORK RESULTS FOR HERITAGE MASONRY	00	2025-01-31	EVOQ	1 thru 7
*04 03 01.13	HERITAGE MASONRY CLEANING	00	2025-01-31	EVOQ	1 thru 9
*04 03 05.13	HERITAGE MORTARING	00	2025-01-31	EVOQ	1 thru 7
*04 03 05.21	HERITAGE REPOINTING	00	2025-01-31	EVOQ	1 thru 5
*04 03 42.13	HERITAGE STONE REPAIRING	00	2025-01-31	EVOQ	1 thru 7
*04 03 43.16	HERTAGE STONE REPLACING	00	2025-01-31	EVOQ	1 thru 3
*04 03 43.19	HERITAGE STONE DISMANTLING	00	2025-01-31	EVOQ	1 thru 5
*04 03 43.20	HERITAGE STONE REBUILDING	00	2025-01-31	EVOQ	1 thru 3
04 20 00	MASONRY UNITS	00	2025-01-31	EAI	1 thru 17
DIVISION 05 – METALS					
*05 12 00	STRUCTURAL STEEL	04	2025-01-31	EC	1 thru 22
*05 31 10	STEEL DECK	04	2025-01-31	EC	1 thru 8
05 41 00	STRUCTURAL METAL STUD FRAMING SYSTEM	00	2025-01-31	EAI	1 thru 11
05 50 00	METAL FABRICATIONS	00	2025-01-31	EAI	1 thru 8
05 51 00	METAL STAIRS AND BALUSTRADES	00	2025-01-31	EAI	1 thru 6
05 73 13	GLAZED DECORATIVE METAL RAILINGS	00	2025-01-31	EAI	1 thru 10
DIVISION 06 – WOOD, PLASTICS AND COMPOSITES					
06 10 00	ROUGH CARPENTRY	00	2025-01-31	EAI	1 thru 4
06 40 00	ARCHITECTURAL WOODWORK	00	2025-01-31	EAI	1 thru 7
06 61 16	SOLID SURFACING FABRICATIONS	00	2025-01-31	EAI	1 thru 7
06 90 00	GENERAL INSTALLATIONS	00	2025-01-31	EAI	1 thru 4
DIVISION 07 – THERMAL AND MOISTURE PROTECTION					
07 16 16	CRYSTALLINE WATERPROOFING	00	2025-01-31	EAI	1 thru 5
07 18 13	MECHANICAL ROOM WATERPROOFING	00	2025-01-31	EAI	1 thru 5
07 21 00	BUILDING INSULATION	00	2025-01-31	EAI	1 thru 6
07 21 19	FOAMED-IN-PLACE INSULATION	00	2025-01-31	EAI	1 thru 3
07 21 29	SPRAYED INSULTATION	00	2025-01-31	EAI	1 thru 4
07 25 00	MISCELLANEOUS AIR/VAPOUR BARRIERS	00	2025-01-31	EAI	1 thru 7
07 42 44	ALUMINUM MODULAR PLATE SYSTEM	00	2025-01-31	EAI	1 thru 10
07 52 16	MODIFIED BITUMINOUS MEMBRANE ROOFING	00	2025-01-31	EAI	1 thru 16
07 62 00	SHEET METAL FLASHING AND TRIM	00	2025-01-31	EAI	1 thru 4
07 81 00	SPRAYED FIRE-RESISTIVE MATERIALS	00	2025-01-31	EAI	1 thru 6
07 81 23	INTUMESCENT FIRE RESISTIVE COATINGS	00	2025-01-31	EAI	1 thru 9
07 84 00	FIRESTOPPING AND SMOKE SEALS	00	2025-01-31	EAI	1 thru 13
07 92 00	JOINT SEALANTS	00	2025-01-31	EAI	1 thru 10
07 95 13	EXPANSION JOINT ASSEMBLIES	00	2025-01-31	EAI	1 thru 6

DIVISION 08 – OPENINGS					
*08 03 52.71	HERITAGE WOOD WINDOW AND DOOR REHABILITATION	00	2025-01-31	EVOQ	1 thru 6
08 06 80	GLAZING SCHEDULE	00	2025-01-31	EAI	1 thru 4
08 11 13	HOLLOW METAL DOORS AND FRAMES	00	2025-01-31	EAI	1 thru 9
08 11 16	ALUMINUM DOORS AND FRAMES	00	2025-01-31	EAI	1 thru 7
08 15 00	PLASTIC LAMINATE WOOD DOORS	00	2025-01-31	EAI	1 thru 6
08 31 13	ACCESS DOORS AND FRAMES	00	2025-01-31	EAI	1 thru 4
08 33 25	FIRE-RATED OVERHEAD COILING DOORS	00	2025-01-31	EAI	1 thru 5
08 43 14	ALUMINUM FRAMED FIRE-RATED STOREFRONTS	00	2025-01-31	EAI	1 thru 10
08 44 13	GLAZED ALUMINUM CURTAIN WALL	00	2025-01-31	EAI	1 thru 30
08 51 13	ALUMINUM WINDOWS	00	2025-01-31	EAI	1 thru 16
*08 71 00	FINISH HARDWARE	00	2025-01-31	UCSH	1 thru 9
08 71 13	AUTOMATIC DOOR OPERATORS	00	2025-01-31	EAI	1 thru 6
08 80 00	GLASS AND GLAZING	00	2025-01-31	EAI	1 thru 9
08 91 00	LOUVRES	00	2025-01-31	EAI	1 thru 7
DIVISION 09 – FINISHES					
*09 03 91	HERITAGE PAINTING	00	2025-01-31	EVOQ	1 thru 6
09 21 16	GYPSUM BOARD ASSEMBLIES	00	2025-01-31	EAI	1 thru 16
09 27 13	GLASS-FIBRE-REINFORCED GYPSUM FABRICATIONS	00	2025-01-31	EAI	1 thru 4
09 30 00	TILING	00	2025-01-31	EAI	1 thru 11
09 51 13	ACOUSTICAL PANEL CEILINGS	00	2025-01-31	EAI	1 thru 8
09 60 13	TACTILE WARNING SURFACING	00	2025-01-31	EAI	1 thru 4
09 62 19	LAMINATE FLOORING	00	2025-01-31	EAI	1 thru 6
09 65 13	RESILIENT BASE AND ACCESSORIES	00	2025-01-31	EAI	1 thru 3
09 65 43	LINOLEUM	00	2025-01-31	EAI	1 thru 6
09 84 13	FIXED SOUND-ABSORPTIVE PANELS	00	2025-01-31	EAI	1 thru 4
09 91 00	PAINTING	00	2025-01-31	EAI	1 thru 16
09 96 03	HIGH-PERFORMANCE INTERIOR COATINGS	00	2025-01-31	EAI	1 thru 4
DIVISION 10 – SPECIALTIES					
10 22 26	FOLDING PANEL OPERABLE PARTITIONS	00	2025-01-31	EAI	1 thru 4
10 28 00	WASHROOM ACCESSORIES	00	2025-01-31	EAI	1 thru 5
10 51 13	METAL LOCKERS	00	2025-01-31	EAI	1 thru 4
DIVISION 12 – FURNISHINGS					
12 24 13	MANUAL ROLLER WINDOW SHADES	00	2025-01-31	EAI	1 thru 6
12 24 14	MOTORIZED ROLLER WINDOW SHADES	00	2025-01-31	EAI	1 thru 7
12 48 16	ENTRANCE FLOOR GRILLES	00	2025-01-31	EAI	1 thru 3
*12 93 00	SITE FURNISHINGS	00	2025-01-31	HKA	1 Only

DIVISION 14 – CONVEYING EQUIPMENT					
*14 20 00	ELEVATORS: GENERAL		2025-01-31	KJA	1 thru 19
*14 21 23	MRL PASSENGER ELEVATOR		2025-01-31	KJA	1 thru 35
*14 41 00	PLATFORM LIFT		2025-01-31	KJA	1 thru 9
*14900	ELEVATORS: MAINTENANCE		2025-01-31	KJA	1 thru 21
FACILITY SERVICES SUBGROUP					
DIVISION 20 – MECHANICAL GENERAL REQUIRMENTS					
*20 05 00	GENERAL INSTRUCTIONS FOR MECHANICAL SECTIONS	00	2025-01-31	S+A	1 thru 20
*20 05 01	ABBREVIATIONS	00	2025-01-31	S+A	1 thru 6
*20 05 02	AS-BUILT DRAWINGS	00	2025-01-31	S+A	1 and 2
*20 05 03	SHOP DRAWINGS	00	2025-01-31	S+A	1 and 2
*20 05 05	SELECTIVE DEMOLITION FOR MECHANICAL SERVICES	00	2025-01-31	S+A	1 thru 4
*20 05 29	HANGERS AND SUPPORTS	00	2025-01-31	S+A	1 thru 5
*20 05 48	VIBRATION AND NOISE CONTROL	00	2025-01-31	S+A	1 thru 6
*20 05 53	PIPE AND DUCTWORK IDENTIFICATION	00	2025-01-31	S+A	1 and 2
*20 05 54	NAMEPLATES	00	2025-01-31	S+A	1 Only
*20 05 55	VALVE TAGS AND CHARTS	00	2025-01-31	S+A	1 Only
*20 05 63	ACCESS DOORS AND ACCESSIBILITY	00	2025-01-31	S+A	1 and 2
*20 05 73	EXCAVATION AND BACKFILL FOR MECHANICAL WORK	00	2025-01-31	S+A	1 and 2
*20 05 83	SLEEVES AND ESCUTCHEONS	00	2025-01-31	S+A	1 thru 3
*20 05 88	CUTTING AND PATCHING	00	2025-01-31	S+A	1 and 2
*20 07 00	INSULATION	00	2025-01-31	S+A	1 thru 15
*20 08 02	CLEANING AND PROTECTION	00	2025-01-31	S+A	1 Only
*20 08 03	OPERATING AND MAINTENANCE INSTRUCTIONS	00	2025-01-31	S+A	1 thru 3
DIVISION 21 – FIRE SUPPRESSION					
*21 12 00	STANDPIPE AND FIRE HOSE SYSTEM	00	2025-01-31	S+A	1 and 2
*21 12 26	FIRE HOSE CABINETS	00	2025-01-31	S+A	1 and 2
*21 13 00	SPRINKLER SYSTEMS	00	2025-01-31	S+A	1 thru 7
*21 25 00	PORTABLE FIRE EXTINGUISHERS	00	2025-01-31	S+A	1 Only
DIVISION 22 – PLUMBING					
*22 05 76	CLEANOUTS	00	2025-01-31	S+A	1 Only
*22 11 13	PIPES, VALVES AND FITTINGS (PLUMBING SYSTEM)	00	2025-01-31	S+A	1 thru 9
*22 11 23.29	CIRCULATORS	00	2025-01-31	S+A	1 Only
*22 13 19.13	FLOOR DRAINS	00	2025-01-31	S+A	1 and 2
*22 13 19.26	INTERCEPTORS	00	2025-01-31	S+A	1 Only
*22 42 00	FIXTURES AND TRIM	00	2025-01-31	S+A	1 thru 4
*22 42 46	FIXTURE CARRIERS	00	2025-01-31	S+A	1 and 2
*22 47 13	REFRIGERATED DRINKING FOUNTAINS AND BOTTLE FILLERS	00	2025-01-31	S+A	1 Only

DIVISION 23 – HEATING, VENTILATING AND AIR CONDITIONING					
*23 05 93.16	TESTING AND BALANCING PIPING SYSTEMS	00	2025-01-31	S+A	1 Only
*23 05 93.26	TESTING AND BALANCING AIR SYSTEMS	00	2025-01-31	S+A	1 and 2
*23 09 00	BUILDING AUTOMATION SYSTEM (BAS)	00	2025-01-31	S+A	1 thru 28
*23 09 23	SEQUENCE OF OPERATION FOR BAS	00	2025-01-31	S+A	1 thru 5
*23 21 13.23	PIPING, VALVES & FITTINGS (EXCEPT PLUMBING)	00	2025-01-31	S+A	1 thru 10
*23 23 01	REFRIGERANT PIPING	00	2025-01-31	S+A	1 thru 5
*23 25 26	CLEANING AND FILLING	00	2025-01-31	S+A	1 thru 3
*23 31 13	DUCTWORK AND SPECIALTIES	00	2025-01-31	S+A	1 thru 12
*23 34 53	ROOM VENTILATORS	00	2025-01-31	S+A	1 and 2
*23 36 16	VARIABLE VOLUME BOXES	00	2025-01-31	S+A	1 thru 3
*23 37 13	DIFFUSERS, GRILLES AND REGISTERS	00	2025-01-31	S+A	1 thru 3
*23 81 26	UNITARY AIR CONDITIONING UNITS	00	2025-01-31	S+A	1 and 2
*23 82 16	COILS	00	2025-01-31	S+A	1 and 2
*23 82 33	CONVECTOR RADIATORS	00	2025-01-31	S+A	1 and 2
	*HEATING COIL SCHEDULE		2025-01-31	S+A	1 Only
	*VAV SCHEDULE		2025-01-31	S+A	1 Only
	*AC UNIT SCHEDULE		2025-01-31	S+A	1 Only
	*KITCHEN ECOLOGY UNIT SCHEDULE		2025-01-31	S+A	1 Only
	*FAN SCHEDULE		2025-01-31	S+A	1 Only
DIVISION 26 – ELECTRICAL					
*26 01 00	OPERATING AND MAINTENANCE INSTRUCTIONS	00	2025-01-31	S+A	1 thru 3
*26 05 01	GENERAL INSTRUCTIONS FOR ELECTRICAL SECTIONS	00	2025-01-31	S+A	1 thru 25
*26 05 03	AS-BUILT DRAWINGS	00	2025-01-31	S+A	1 and 2
*26 05 04	SUBMITTALS/SHOP DRAWINGS	00	2025-01-31	S+A	1 and 2
*26 05 05	MOUNTING HEIGHTS	00	2025-01-31	S+A	1 and 2
*26 05 21	WIRES AND CABLES UNDER 2000 V	00	2025-01-31	S+A	1 thru 7
*26 05 21.01	PATIENT CARE WIRING	00	2025-01-31	S+A	1 thru 4
*26 05 26	GROUNDING + BONDING	00	2025-01-31	S+A	1 thru 4
*26 05 29	HANGERS AND SUPPORTS	00	2025-01-31	S+A	1 Only
*26 05 31	SPLITTERS, JUNCTION, PULL BOXES AND CABINETS	00	2025-01-31	S+A	1 and 2
*26 05 32	OUTLET BOXES, CONDUIT BOXES AND FITTINGS	00	2025-01-31	S+A	1 and 2
*26 05 34	CONDUITS, CONDUIT FASTENERS AND FITTINGS	00	2025-01-31	S+A	1 thru 4
*26 05 36	CABLE TRAYS	00	2025-01-31	S+A	1 thru 4
*26 05 40	POKE-THRU DEVICES	00	2025-01-31	S+A	1 and 2
*26 05 53	IDENTIFICATION	00	2025-01-31	S+A	1 thru 5
*26 05 63	ACCESS DOORS AND ACCESSIBILITY	00	2025-01-31	S+A	1 and 2
*26 05 73	ELECTRICAL POWER SYSTEM STUDIES	00	2025-01-31	S+A	1 thru 4
*26 05 83	SLEEVES	00	2025-01-31	S+A	1 and 2
*26 05 88	CUTTING AND PATCHING	00	2025-01-31	S+A	1 and 2
*26 08 01	TECHNICAL SERVICES DIVISION STARTUP SERVICE	00	2025-01-31	S+A	1 thru 12

*26 09 24	LIGHTING CONTROL EQUIPMENT - ADDRESSABLE LOW VOLTAGE	00	2025-01-31	S+A	1 thru 13
*26 12 17	DRY TYPE TRANSFORMERS - 600V PRIMARY	00	2025-01-31	S+A	1 thru 3
*26 24 13	SWITCHBOARDS	00	2025-01-31	S+A	1 thru 4
*26 24 17	PANELBOARDS - BREAKER TYPE	00	2025-01-31	S+A	1 thru 3
*26 27 02	SURGE PROTECTIVE DEVICE	00	2025-01-31	S+A	1 thru 5
*26 27 13	ELECTRONIC METERING	00	2025-01-31	S+A	1 thru 10
*26 27 19	MULTI-OUTLET ASSEMBLIES	00	2025-01-31	S+A	1 and 2
*26 27 26	WIRING DEVICES	00	2025-01-31	S+A	1 thru 4
*26 28 14	FUSES LOW VOLTAGE	00	2025-01-31	S+A	1 and 2
*26 28 21	MOULDED CASE AND INSULATED CASE CIRCUIT BREAKERS	00	2025-01-31	S+A	1 thru 4
*26 28 23	DISCONNECT SWITCHES - FUSED AND NON-FUSED	00	2025-01-31	S+A	1 and 2
*26 29 00	MOTOR STARTERS TO 600 V	00	2025-01-31	S+A	1 thru 6
*26 51 13	LIGHTING EQUIPMENT	00	2025-01-31	S+A	1 thru 8
*26 60 10	SNOW MELTING SYSTEM	00	2025-01-31	S+A	1 thru 4
*26 60 30	ROOF AND GUTTER DE-ICING SYSTEMS	00	2025-01-31	S+A	1 thru 3
DIVISION 27 – COMMUNICATIONS					
*27 00 05.10	GENERAL INSTRUCTIONS FOR TELECOMMUNICATIONS SECTIONS	00	2025-01-31	S+A	1 thru 8
*27 00 05.20	DEFINITIONS AND ABBREVIATIONS	00	2025-01-31	S+A	1 thru 9
*27 00 05.30	CODES, STANDARDS AND REGULATIONS	00	2025-01-31	S+A	1 thru 3
*27 00 05.50	CONTRACT DOCUMENTS	00	2025-01-31	S+A	1 Only
*27 00 05.60	ADMINSTRATIVE REQUIREMENTS	00	2025-01-31	S+A	1 thru 4
*27 00 05.70	PROJECT SPECIFIC REQUIREMENTS	00	2025-01-31	S+A	1 thru 3
*27 00 06	FIRE STOPPING AND WATER PROOFING	00	2025-01-31	S+A	1 thru 4
*27 05 28	PATHWAYS FOR TELECOMMUNICATIONS SYSTEMS	00	2025-01-31	S+A	1 thru 5
*27 05 53	IDENTIFICATION FOR TELECOMMUNICATIONS SYSTEMS	00	2025-01-31	S+A	1 and 2
*27 08 00	COMMISSIONING FOR TELECOMMUNICATIONS SECTIONS	00	2025-01-31	S+A	1 thru 6
*27 11 16	TELECOMMUNICATIONS CABINETS, RACKS, FRAMES AND ENCLOSURES	00	2025-01-31	S+A	1 thru 3
*27 11 19	TELECOMMUNICATIONS TERMINATION BLOCKS AND PATCH PANELS	00	2025-01-31	S+A	1 Only
*27 13 23	TELECOMMUNICATIONS OPTICAL FIBRE BACKBONE CABLING	00	2025-01-31	S+A	1 thru 4
*27 15 00.19	DATA TELECOMMUNICATIONS HORIZONTAL CABLING	00	2025-01-31	S+A	1 thru 3
*27 15 33.00	TELECOMMUNICATIONS COAXIAL HORIZONTAL CABLING	00	2025-01-31	S+A	1 and 2
*27 15 43	TELECOMMUNICATIONS FACEPLATES AND CONNECTORS	00	2025-01-31	S+A	1 thru 4
*27 16 19	TELECOMMUNICATIONS PATCH CORDS AND CROSS CONNECT WIRE	00	2025-01-31	S+A	1 and 2
	*COMMUNICATIONS INFRASTRUCTURE SPECIFICATIONS, STANDARDS AND PRACTICES		2025-01	UofT	38 pages

DIVISION 28 – ELECTRONIC SAFETY AND SECURITY					
*28 00 03	ADMINISTRATIVE REQUIREMENTS		2025-01-31	S+A	1 thru 3
*28 00 05.30	CODES, STANDARDS, AND REGULATIONS		2025-01-31	S+A	1 thru 3
*28 00 06	FIRE STOPPING AND WATER PROOFING		2025-01-31	S+A	1 thru 4
*28 01 00	GENERAL INSTRUCTIONS FOR ESS SECTIONS		2025-01-31	S+A	1 thru 6
*28 01 01	OPERATION AND MAINTENANCE OF ELECTRONIC SAFETY AND SECURITY		2025-01-31	S+A	1 Only
*28 05 00	RACEWAYS FOR SECURITY SYSTEM	00	2025-01-31	S+A	1 Only
*28 05 00	COMMON WORK RESULTS FOR ELECTRONIC SAFETY AND SECURITY		2025-01-31	S+A	1 and 2
*28 05 03	RECORD DRAWINGS		2025-01-31	S+A	1 thru 3
*28 05 04	SUBMITTALS - SHOP DRAWINGS		2025-01-31	S+A	1 and 2
*28 05 05.20	DEFINITIONS AND ABBREVIATIONS		2025-01-31	S+A	1 thru 6
*28 05 13	CONDUCTORS AND CABLES FOR ELECTRONIC SAFETY AND SECURITY		2025-01-31	S+A	1 thru 4
*28 05 26	GROUNDING AND BONDING FOR ELECTRONIC SAFETY AND SECURITY		2025-01-31	S+A	1 and 2
*28 05 28	PATHWAYS FOR ELECTRONIC SAFETY AND SECURITY		2025-01-31	S+A	1 thru 3
*28 05 53	IDNETIFICATION FOR ELECTRONIC SAFETY AND SECURITY		2025-01-31	S+A	1 and 2
*28 08 00	COMMISSIONING OF ELECTRONIC SAFETY AND SECURITY		2025-01-31	S+A	1 thru 3
*28 31 02	MULTIPLEX FIRE ALARM SYSTEM	00	2025-01-31	S+A	1 thru 18
SITE AND INFRASTRUCTURE SUBGROUP					
DIVISION 32 – EXTERIOR IMPROVEMENTS					
*32 13 13	CONCRETE PAVING	00	2025-01-31	HKA	1 thru 5
*32 14 13	UNIT PAVING	00	2025-01-31	HKA	1 and 2
*32 93 00	PLANTING	00	2025-01-31	HKA	1 thru 6

LEGEND
** - Specifications prepared by Consultants other than ENFORM Architects Inc. have been prefixed with an asterisk. These Specifications are not included under, nor governed by ENFORM Architects Inc.'s seal.*

Consultant's Abbreviations:

UofT	*University of Toronto*	*Owner*
EAI	*ENFORM Architects Inc.*	*Architectural (A)*
EC	*Entuitive Corporation*	*Structural Consultant (S)*
EVOQ	*EVOQ Architecture*	*Heritage Consultant*
UCSH	*Upper Canada Specialty Hardware Limited*	*Hardware Consultant*
S+A	*Smith + Andersen*	*Mechanical Consultant (M)*
S+A	*Smith + Andersen*	*Electrical Consultant (E)*
KJA	*KJA Consultants Inc.*	*Vertical Transportation Consultant*
MBII	*Mulvey & Banani International Inc.*	*Security Consultant*
HKA	*Henry Kortekaas and Associates Inc.*	*Landscape Consultant (L)*

END OF SECTION

PART 1 - GENERAL

1.1. GENERAL INSTRUCTIONS

1.1.1. Read and conform to:

1.1.1.1. CCDC 2 - 2020, Stipulated Price Contract as amended in the Contract Documents.

1.1.1.2. Division 1 requirements and documents referred to therein.

1.2. INTERFERENCE DRAWINGS

1.2.1. Prepare drawings indicating relationship of new and existing and/or unforeseen conditions at congested areas prior to commencement of work in area.

1.2.2. For congested locations, before commencing installation, prepare drawings showing relationship of ductwork, conduit, piping, sprinklers, ceiling supports and framing, communication and specialized equipment located within ceiling and shaft spaces.

1.2.3. Indicate locations of visible items such as air handling outlets, light fixtures, smoke detectors, sprinkler heads, communication grilles and access panels occurring at these locations.

1.2.4. Ensure interference drawings are initialed by a responsible person of each Subcontractor involved along with Contractor's signature and submitted to Consultant for review and record purposes.

1.2.5. In addition to locations described herein, prepare interference drawings for following:

1.2.5.1. Waiting Area (All Floors).

1.2.5.2. Multi-purpose Rooms (2nd Floor).

1.2.5.3. Elevator Access (All Floors).

1.2.5.4. Electrical Rooms.

1.2.5.5. IT Rooms.

END OF SECTION

PART 1 - GENERAL

1.1. GENERAL INSTRUCTIONS

1.2. SUMMARY

1.2.1.1. Section includes:

1.2.1.2. This Section includes requirements for careful removal and salvage, and reconditioning of building components identified for storage on site and subsequent reinstallation forming a part of Project.

1.2.1.3. Refer to “H” series drawings for location and extent of removal.

1.3. RELATED REQUIREMENTS

1.3.1. Section 01 35 91 – Heritage Protective Measures

1.3.2. Section 01 42 16 – Heritage Definitions

1.3.3. Section 02 41 10 –Demolition and Salvage.

1.4. REFERENCES

1.4.1. Parks Canada

1.4.1.1. Standards and Guidelines for the Conservation of Historic Places in Canada (latest edition).

1.5. PERFORMANCE REQUIREMENTS

1.5.1. Contractor is responsible for any damage to or loss of Historic Materials occurring as a result of site, handling, transport, or storage activities.

1.5.2. Ensure materials, equipment and procedures do not affect the existing structure.

1.5.3. Apply methods that minimize the risk of damage to Historic Materials.

1.5.4. Recording, documentation and storage of historic material must follow a system that insures a logical sequence in order to facilitate reinstatement of items by others at a later date.

1.5.5. All procedural methods and techniques to be utilized in the detachment, removal, transport, storage, protection, and reinstallation of historic materials must match the standard trade techniques for the said procedures.

1.5.6. All heritage materials cannot be removed from site prior to submittal and Consultant review of documentation.

1.6. QUALITY ASSURANCE

1.6.1. Contractor: a company with minimum five (5) years successful performance in heritage conservation work similar to that specified for this Project.

1.6.2. Workers Abilities:

1.6.2.1. Documentation, removal and identification of Heritage Materials shall be performed by personnel displaying appropriate abilities as demonstrated through procedural mock-ups.

1.6.2.2. Workers performing removals shall be specialized in historic installation and removal techniques related to the type of Heritage Material to be removed.

1.6.2.3. Only accepted procedures and the personnel that performed them during the mock-ups may be utilized to do that procedure throughout the duration of the work.

1.6.2.4. Loading, transport and storage of removed heritage materials shall be performed by workers specializing in the transport of fragile heritage materials.

1.6.2.5. No approved specialized workers shall be replaced during the progress of the work without written acceptance by the Heritage Consultant.

1.6.3. Heritage Consultant:

1.6.3.1. Work shall be reviewed by the Heritage Consultant.

1.6.3.2. Heritage Consultant reserves the right to reject workers who do not demonstrate appropriate abilities or experience.

1.7. SUBMITTALS

1.7.1. Submittals shall conform to Section 01 33 00 – Submittal Procedures.

1.7.2. Submit documentation per Section 01 35 91 – Heritage Protective Measures.

1.7.3. Shop Drawings:

1.7.3.1. Submit shop drawings of each type of crate or container required for transportation and storage of Heritage Materials.

1.7.4. Procedures:

1.7.4.1. Submit documents, schedules and work plans, samples, mock-ups, methods and tools used to remove Heritage Materials listed in this Section in accordance with Section 01 33 00 – Submittal Procedures. Provide separate procedure for each item below:

1.7.4.1.1. Removal of heritage wood doors and transom.

1.7.4.1.2. Removal of exterior stone blocks, or portions thereof.

1.7.4.2. Submit procedures for protection, packing and crating of each type of Heritage Material to be removed as listed above.

1.7.5. Mock-ups:

1.7.5.1. Provide mock-ups demonstrating the abilities and skill of the personnel performing the required documentation, removal, identification, crating, transport and storage methods and techniques for each type of Heritage Material to be salvaged. Heritage Consultant shall be present to perform review process.

1.7.5.2. Prior to removal of Heritage Materials and in the presence of the Heritage Consultant, each team designated to perform sensitive removal activities must perform sample removals of each type required.

1.8. EXISTING CONDITIONS

1.8.1. Before starting work, verify existing conditions and variations from original contract documents and notify Heritage Consultant of any discrepancy.

1.9. SCHEDULING

1.9.1. Coordinate removal and salvage of Heritage materials with general and selective demolition work described in Section 02 41 10 – Demolition and Salvage.

1.9.2. Removal and salvage of Heritage materials must be completed prior to any demolition work in each defined location.

1.9.3. Submit coordinated schedule of activities, showing dates and estimated duration to Contractor not later than 7 days before beginning of removal and salvage work.

1.10. STORAGE OF REMOVED ITEMS FOR REUSE

1.10.1. Heritage Materials shall be stored on or off-site, off of the ground and in a dry location.

1.11. PRE-CONSTRUCTION CONFERENCE

1.11.1. One (1) week prior to scheduled start of work of this Section, the representatives of the following entities shall meet at the project site: Contractor, Heritage Consultant, Subcontractor and representatives of other entities directly concerned with Work of this Section. This meeting will be coordinated through the Contractor.

1.11.2. Attendees shall review all pertinent details and specifications, noting any potential problems and making any changes, deletions or additions as deemed necessary. The Conference will include but not be limited to the following:

1.11.2.1. Verify Project requirements.

1.11.2.2. Coordination with other trades.

1.11.2.3. Scheduling.

1.11.2.4. Additional items relating to the Work.

1.11.3. Attendees shall also inspect the worksite and review condition of site and substrates, protection requirements, determine where mock-ups will be prepared.

1.11.4. Minutes will be taken of the meeting, including agreement or disagreement on matters of significance. If meeting ends with substantial disagreement, it will be determined how disagreements will be resolved and a date will be set for a reconvened meeting. A copy of the minutes will be furnished to all attendees.

1.12. MOCK-UPS

1.12.1. Construct mock-ups demonstrating the abilities and skill of the workers performing the work and the tools and materials required to perform the work.

1.12.2. Heritage Consultant shall be present to perform review process. Advise Heritage Consultant minimum 7 days prior to beginning of mock-up preparation.

1.12.3. Each type of work or procedure specified in Part 3 of this Section requires a mock-up. Heritage Consultant reserves the right to have additional mock-ups prepared to suit Project conditions.

1.12.4. As indicated, only the workers that perform the mock-ups may be utilized to do that work or procedure throughout the duration of the work.

1.12.5. When multiple teams of workers are to perform a certain type of work, every team shall prepare required mock-ups to ensure consistent results for the entire work specified in this Section.

1.13. CLEANING

1.13.1. At completion, remove tools and rubbish and leave area clean and ready for inspection.

1.13.2. Where required, install heritage protections as indicated when directed by Heritage Consultant.

PART 2 - PRODUCTS

2.1. SALVAGED ITEMS

2.1.1. Refer to Drawings for location and extent of salvage items.

2.1.2. Confirm extent of salvage on site with Heritage Consultant once scaffolding is fully erected around the building.

2.1.3. Confirm with Owner’s Representative additional items that appear salvageable prior to disposal.

2.2. EQUIPMENT AND TOOLS

2.2.1. Flush-cutting grinders capable of fitting 5 and 12 inch diamond cutting blades for masonry. Grinders must have variable speed.

2.2.2. Diamond cutting blades to be continuous edged.

2.2.3. A flexible shaft rotary tool. Suggested supplier: Suhner (Tel. 706-235-8046), Rotostar Flexible Shaft Machine. Rotostar Kit, part no. 11014301, FSM accessory, part no. 5789102, Angle cutting head accessory for 14 inch collete, part no. W110.

2.2.4. Small diameter cutting blades: Suggested supplier: Ogden Tools Inc, Attn Gordon, Tel 819-876-7733; 3 3/8 inch diamond cutting blade, turbo-style, part no. 807.

PART 3 - EXECUTION

3.1. SALVAGE

3.1.1. Remove and handle salvageable items from site to minimize damage and to ensure that usability is maintained.

3.1.2. Clean, decontaminate, or remediate hazardous substances (lead based paint, asbestos dust, PCB residue, and similar substances) from salvaged materials so they are safe for reuse.

3.1.3. Place materials on palettes or wrap in protective film to ensure that loose pieces and projections do not cause injury to personnel, and that salvaged items remain as complete units.

3.1.4. Clean items of construction or building debris, or materials that are not a part of salvaged work before delivering to Owner.

3.2. DOCUMENTATION

3.2.1. Submit documentation per Section 01 35 91 – Heritage Protective Measures prior to removing any Heritage Materials.

3.3. MASONRY SALVAGE

3.3.1. Remove masonry items in accordance with the following procedures:

3.3.2. Carefully remove mortar, grout and any epoxies found in the joints using hand tools only. Use only approved methods and tools, as per approved mock-ups.

3.3.3. Carefully remove each item to be salvaged starting from the top of the wall and working downwards. Follow removal and documentation methods as per approved mock-ups.

3.3.4. Remove excess grout and mortar.

3.3.5. Stack neatly on-site for reuse.

3.4. HERITAGE WOOD DOOR SALVAGE

3.4.1. Carefully dislodge and separate wood trim from substrates using appropriate tools that will not damage wood trim or other surrounding heritage material. Use procedures successfully tested and approved during mock-up preparation.

3.4.2. Pry trim evenly to minimize risk of breaking; all trim must be removed intact.

3.4.3. Carefully remove nails and discard.

3.4.4. Keep trim from individual windows together as a group; record and identify all pieces on their concealed back side using approved method.

3.5. PACKING, HANDLING AND STORAGE

3.5.1. Wrap individual heritage wood pieces with heavy craft paper and pack in groups as recorded. Wrap each group with Polyethylene foam sheeting and identify each group as required and approved by Heritage Consultant.

3.5.2. Construct crates with lumber and plywood to suit trim. Crates shall be designed to be lifted and handled by no more than two persons and to be stored in horizontal position with trim laying flat. Line crates with 25 mm thick polystyrene foam to avoid impact damage.

3.5.3. Crate packed wood and clearly label and identify each crate.

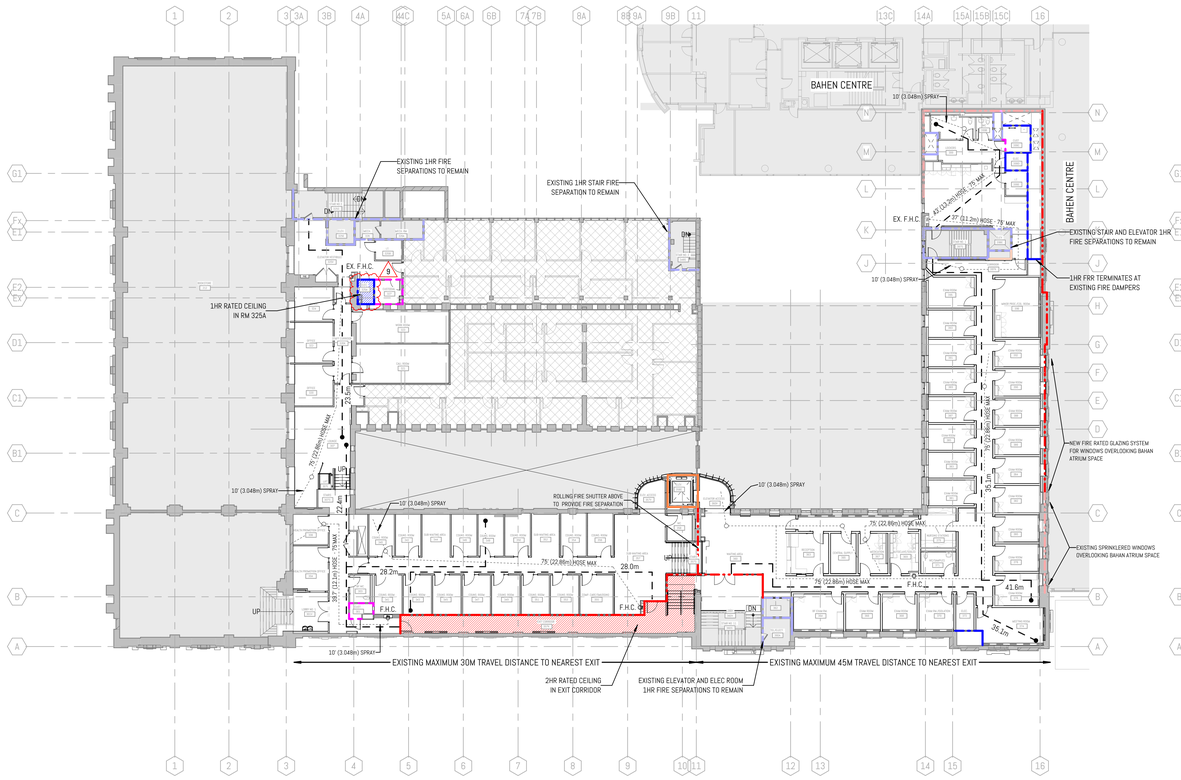
3.5.4. Handle crates with care; do not drop or damage packing and crating during transport.

3.5.5. Transport crates to Contractor's storage area off Site. Storage area shall be indoors and locked with temperature and humidity in range described in article 1.10 Storage of Removed Items for Reuse.

3.5.6. Crates must be stored off ground and supported to avoid sagging. Place Inventory Forms and crate identification so they are readily accessible.

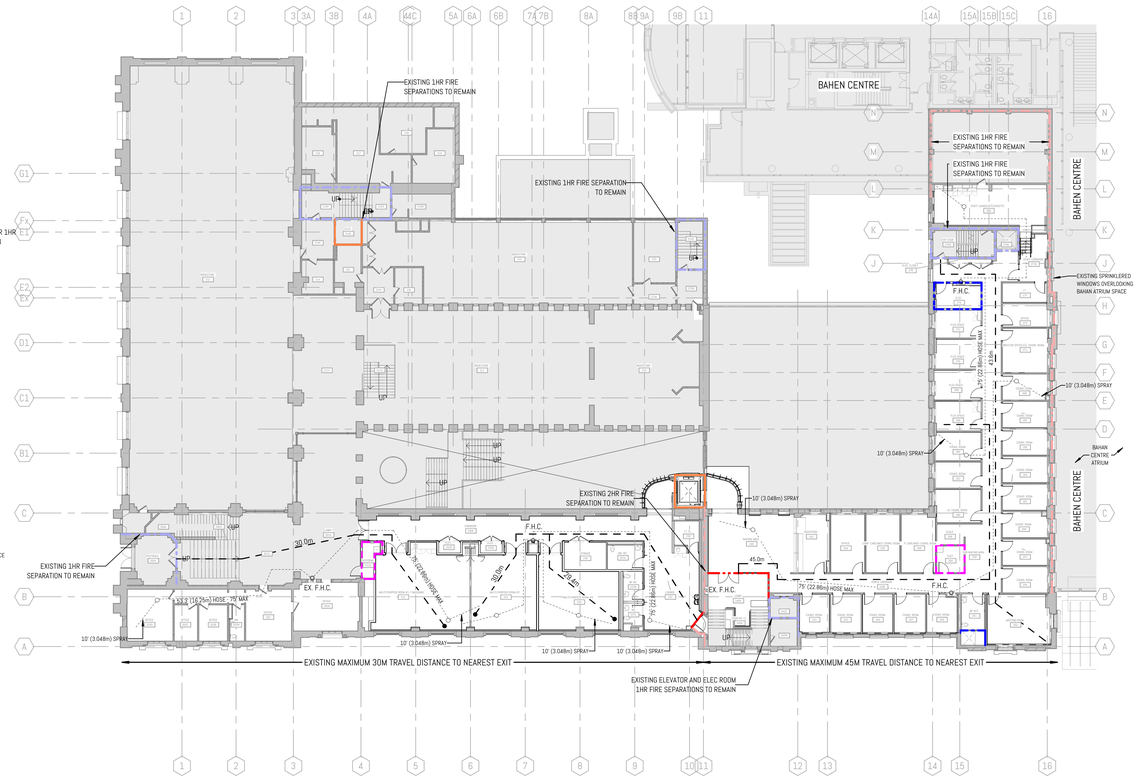
3.5.7. Avoid stacking crates unless specifically approved by Heritage Consultant.

END OF SECTION



3 A100 LEVEL 03 - FIRE LIFE SAFETY
1 : 200 Ref: 3/ A008

OCCUPANCY COUNT: 329P (274P RENOVATED AREA, 55P SHELL AREA)



2 A100 LEVEL 02 - FIRE LIFE SAFETY
1 : 200 Ref: 2/ A009

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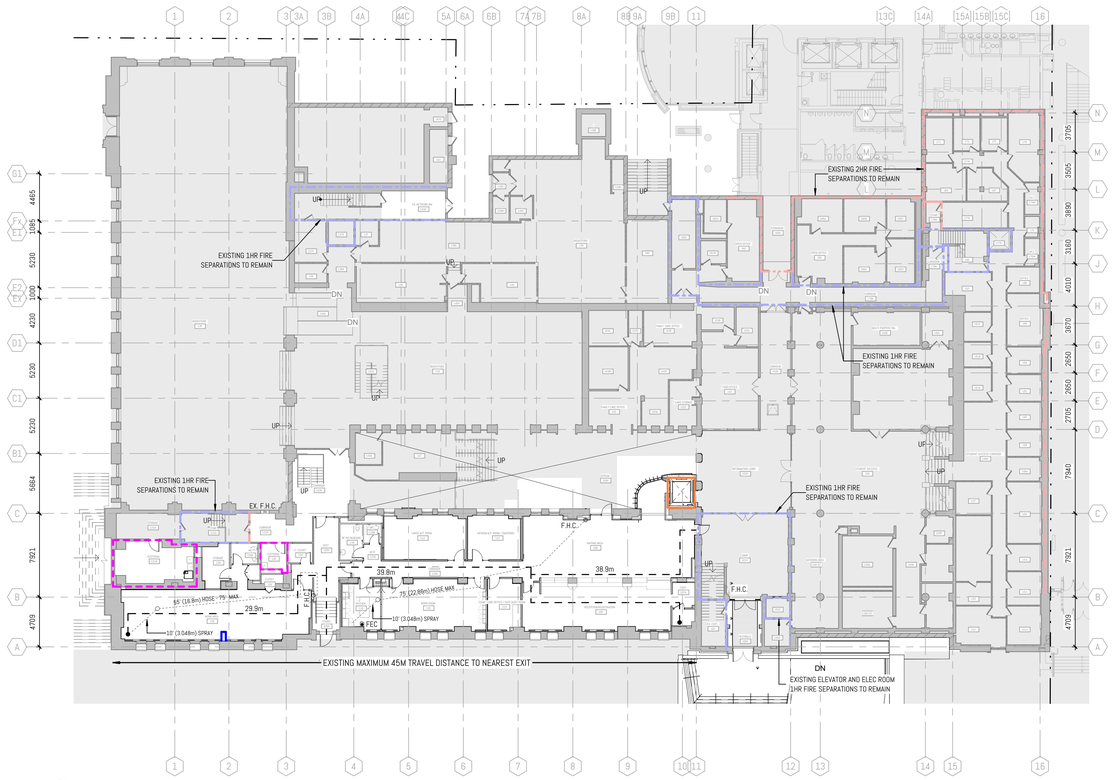
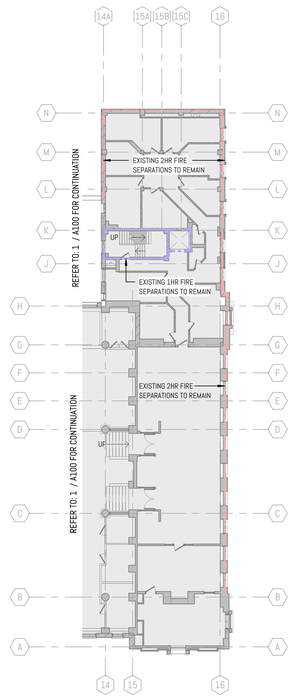
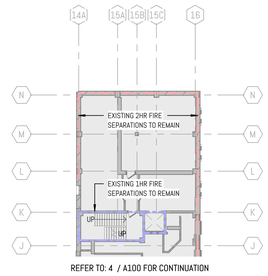


1 A100 LEVEL 01 - FIRE LIFE SAFETY
1 : 200 Ref: 2/ A009

OCCUPANCY COUNT: 660P (108P RENOVATED AREA, 552P NON-PROJECT AREA)



4 A100 LEVEL 01 - NORTH MEZZ - FIRE LIFE SAFETY
1 : 200 Ref: 1/ A400

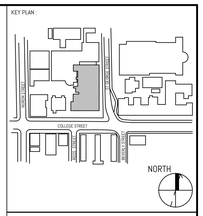


5 A100 LEVEL 01 - NORTH UPPER MEZZ - FIRE LIFE SAFETY
1 : 200 Ref: 1/ A400

FIRE LIFE SAFETY LEGEND

- 0 HR FIRE-RATED WALL
- 3/4HR FIRE-RATED WALL
- 1 HR FIRE-RATED WALL
- 1.5 HR FIRE-RATED WALL
- 2 HR FIRE-RATED WALL
- FIRE SEPARATION TO BAHEN TO MAINTAIN
- 1HR RATED CEILING/BULKEHAD
- TRAVEL DISTANCE
- FIRE HOSE DISTANCE
- EXIT SIGNS
- 26 — OCCUPANT LOAD OF ROOM OR AREA
- 34 — CAPACITY OF EXIT DOOR
- 12 — OCCUPANT LOAD USING EXIT
- AREA OF WORK
- F.H.C. — FIRE HOSE CABINET
- FIRE EXTINGUISHER CABINET

KEY PLAN :



REVISION

NO.	DATE	DESCRIPTION
1	08/20/2024	CLIENT REVIEW
2	09/30/2024	COSTING SET
3	10/04/2024	CLIENT REVIEW
4	11/01/2024	PROGRESS ISSUANCE
5	11/15/2024	BUILDING PERMIT
6	12/13/2024	P&S REVIEW
7	01/26/2025	PEER REVIEW
8	01/31/2025	ISSUED FOR BID
9	03/07/2025	BID ADDENDUM #1

ENFORM architects
ENFORM Architects Inc.
128A Sterling Road, Suite 300B
Toronto, Ontario, Canada M6R 2B7
t: 647-849-7523
www.enformarchitects.com

SEAL :

OWNER :

UNIVERSITY OF TORONTO

PROJECT :

UNIVERSITY OF TORONTO
HEALTH & WELLNESS CENTRE
AT KOFFLER RENOVATION

214 College Street, Toronto,
ON M5T 3A1

SHEET CONTENTS :

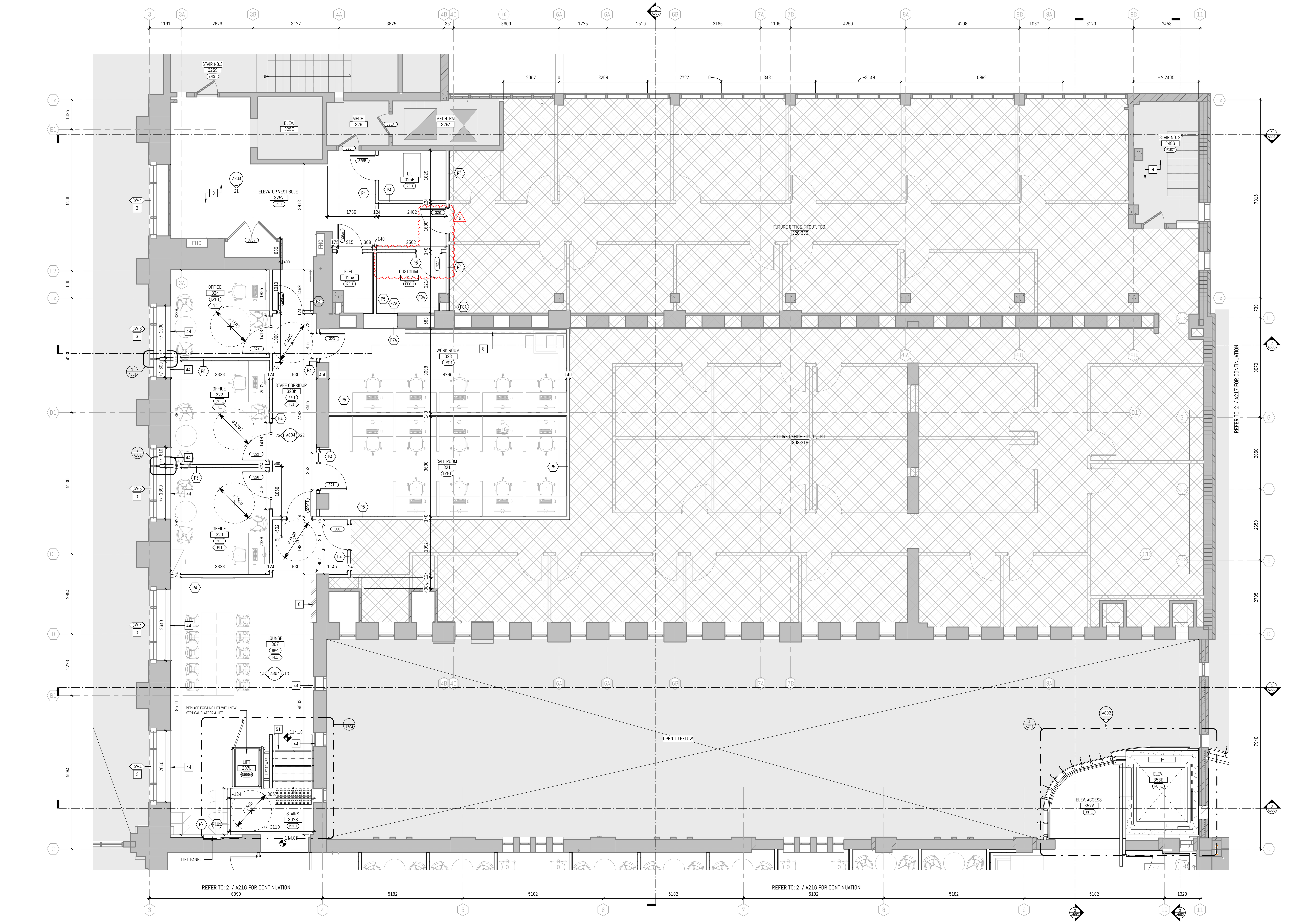
LIFE SAFETY PLANS

PROJECT NUMBER : 23-011 (P143-19-100)

DRAWING SCALE : 1:200

DRAWN BY :	CHECKED BY :	DATE:
NE	AF	2025-01-31

SHEET NO : A100 REV : 9



1 LEVEL 03 - WEST - ENLARGED PLAN
A218 1 : 50 Ref. 1/ A203

NEW WORK - ENLARGED PLAN NOTES

NOTE	DESCRIPTION
1	PROVIDE NEW FLOORING AND BASE THROUGHOUT ROOM OR TO EXTEND SHOWN ON PLAN TO MATCH EXISTING
2	WHEELCHAIR AND MOBILITY SCOOTER WAITING SPACES. DESIGNATED CLEAR SPACE TO BE NO LESS THAN 760mm (30") BY 1370mm (54").
3	REMOVE ALL EXISTING FILM. REPAINT EXISTING WOOD DOOR AND WINDOW FRAMES, SILLS AND CASING
4	NEW SLAB INFILL. REFER TO STRUTURAL.
5	2-HR FIRE RATED ACCESS DOOR FOR MECH. COORDINATE LOCATION WITH MECH ON SITE. SEE INT. ELEVATIONS, SEE MECH.
6	305MM x 305MM RECESSED ACCESS DOOR TO RECEIVE WP-1. COORDINATE LOCATION WITH MECH ON SITE. SEE INT. ELEVATIONS FOR LOCATION. SEE MECH.
7	DRINKING FOUNTAIN. SEE MECH.
8	NEW RADIATOR COVER ON EXISTING RADIANT FIN TUBE, COMPLETE WITH COVERS AND TRIMS TO ENCLOSE ALL PIPING AND EXTEND WALL TO WALL (WHERE APPLICABLE).
9	PAINT EXISTING GWB WALLS, CEILING & BULKHEAD THROUGHOUT ROOM OR TO EXTENT SHOWN ON PLAN. PROTECT AND MAINTAIN EXISTING GOLD CAPITALS.
10	EXISTING TRAVERTINE LANDING & STAIRS TO BE CLEANED & SEALED, REPLACE NON-SLIP STRIPS. PAINT EXISTING METAL GUARDRAILS & HANDRAILS. REFINISH EXISTING WOOD HANDRAILS. AS PER SPECIFICATIONS
11	PROVIDE NEW WALL BASE TO MATCH EXISTING ON NEW WALLS FOR FULL LENGTH OF WALL OR WHERE DAMAGED BY DEMOLITION WORK
12	INSTALL NEW WINDOW IN EXISTING WINDOW OPENING. REFER TO DEMO PLANS FOR REMOVAL OF EXISTING INFILL
13	INSTALL NEW WINDOW IN EXISTING DOOR OPENING. PROVIDE NEW STONE SILL TO MATCH EXISTING SILLS. INFILL WITH 1900MM CMU AND RECLAIMED BRICK MASONRY ABOVE AND BELOW WINDOW TO MATCH EXISTING DEPTH, INCLUDING THE RECESSED PANEL PATTERN..
14	NEW RADIATOR WITH INTEGRATED COVER, COMPLETE WITH COVERS AND TRIMS TO ENCLOSE ALL PIPING AND EXTEND WALL TO WALL (WHERE APPLICABLE). REFER TO 7/A802.
15	INSTALL NEW WINDOW IN EXISTING MASONRY WALL. WINDOW SIZE SHOWN FOR INTENT ONLY - SIZE AND LOCATE WINDOW TO SUIT EXISTING BRICK/TILE EXTERIOR WALL FINISH PATTERN AS INDICATED ON EXTERIOR ELEVATIONS. REFER TO STRUCTURAL FOR LINTEL DETAILS.
16	REPLACE CARPET TO MATCH EXISTING.
17	RECESSED WALL MOUNTED DISPLAY WALL FRAMING TO BE LOCALLY ADJUSTED TO SUIT EQ SELECTION. DISPLAY BY OTHERS. BLOCKING SUPPORT, SUPPLY, AND INSTALL BY CONTRACTOR. SEE AV DWGS.
18	PATCH AND REPAIR OPENING IN BRICK MASONRY AROUND NEW BEAM ANCHORS. SEE STRUCT. RE-USE EXISTING BRICKS
20	INTEGRATE NEW INTERIOR FINISHES WITH EXIST. COLUMN FINISHES PATCH AND MAKE GOOD AS REQ'D (TYP)
21	BRICK IN EXISTING WINDOW OPENINGS WITH COLUR-MATCHING SALVAGED BRICK FROM DEMO PHASE.
22	EXISTING WINDOW OPENING TO BE INFILLED WITH MASONRY. EXISTING GLAZING TO BE COVERED WITH OPAQUE FILM (SPEC AND COLOUR TBD)
24	2HR FRR GLAZING SYSTEM
25	NEW PCT FLOOR FINISH. REFER TO ROOM FINISH SCHEDULE

NEW WORK - ENLARGED PLAN NOTES

NOTE	DESCRIPTION
26	PROVIDE NEW WALL BASE TO MATCH EXISTING PERIMETER WALL BASE TRIM
27	NEW STAINLESS STEEL HANDRAIL, 38 DIA.
28	SS. BOLLARD SEE DETAIL 1/A007
31	NEW GARBAGE BIN LOCATION
32	EXISTING THREE BICYCLE RINGS TO REMAIN
34	REINSTATE FLOOR FINISH TO MATCH EXISTING.
35	SUPPLY AND INSTALL VINYL GRAPHIC. OWNER TO PROVIDE DIGITAL FILE.
36	ACCESSIBLE COUNTER.
37	SUPPLY AND INSTALL FLOOR MOUNTED MOP SINK WITH WALL MOUNTED MOP HOLDERS AND SHELVING.
38	AV RACK. REFER TO ELEC. AND AV DOCUMENTATION.
39	ELEC. PANELS. REFER TO ELEC. DOCUMENTATION.
41	SUPPLY AND INSTALL PLYWOOD SUBSTRATE.
42	SUPPLY AND INSTALL 2-HR FIRE RATED ROLLER SHUTTER. SHUTTER CASETTE TO BE CONCEALED IN CEILING WITH RECESSED ACCESS DOORS AS REQUIRED
43	NEW HANDRAIL.
44	NEW GUARD TO BE ENGINEERED BY CONTRACTOR.
45	EXISTING SPRINKLER PROTECTED GLAZING.
46	MAKE GOOD EXISTING ROOF SYSTEM.
47	EXISTING RADIATORS ABOVE. REFER TO MECHANICAL DOCUMENTATION FOR PIPING WORKS.
49	SUPPLY AND INSTALL 1 LAYER OF 19mm FIRE RETARDANT PLYWOOD (FRTW) FASTENED TO THE TOP FLANGE OF THE C-JOISTS.
51	NEW STEEL STAIR, GUARD + HANDRAIL - ENGINEERED BY CONTRACTOR
52	TYPICAL COMMENT (GROUND FLOOR): SUPPLY AND INSTALL 16MM GWB PATCHING (INFILL) TO ALL PERIMETER WALL SURFACES WHERE EXISTING OPENINGS (HOLES) ARE OBSERVED LOCATED SOUTH OF GRID 11 UP TO THE 3000MM AFF TO ACCOMMODATE A NEW PAINT FINISH.
53	CLEAN EXISTING MASONRY COLUMN, REPAIR, REPOINT AND SUPPLY AND APPLY SEALER - TYPICAL FOR MASONRY COLUMNS
54	PREPARE (SAND AND PRIME) AND REPAINT EXISTING RADIATOR COVER.
55	SUPPLY AND INSTALL MANUAL ROLLER SHADE (INSIDE MOUNT) WITH PRE-FINISHED ALUMINUM FASCIA (COLOUR: WHITE) AND STAINLESS STEEL BALL CHAIN AND KEEPER. CONTRACTOR TO SITE MEASURE EXISTING WINDOW OPENING.
56	SUPPLY AND INSTALL 16MM GWB AT THE BASE OF THE EXISTING WALL TO CLOSE GAP, AND TO ACCOMMODATE NEW PAINT FINISH AND WALL BASE.

NEW WORK - ENLARGED PLAN NOTES

NOTE	DESCRIPTION
57	SUPPLY AND INSTALL MOTORIZED BLACKOUT ROLLER SHADES WITH PRE-FINISHED ALUMINUM FASCIA (COLOUR: WHITE). CONTRACTOR TO SITE MEASURE EXISTING WINDOW OPENING. INTEGRATE BLIND CONTROLS WITH AV SYSTEMS
58	TYPICAL NOTE FOR 2ND & 3RD LEVELS: MAKE GOOD ALL PERIMETER WALL SURFACES NORTH OF GRID 11 UP TO 2750MM A.F.F. TO ACCOMMODATE A NEW PAINT FINISH. THE SCOPE INCLUDING PATCHING (INFILL GWB) IF REQUIRED.
59	TYPICAL NOTE FOR 2ND & 3RD LEVELS: MAKE GOOD ALL PERIMETER WALL SURFACES SOUTH OF GRID 11 UP TO THE UNDERSIDE OF THE EXISTING CEILING TO ACCOMMODATE A NEW PAINT FINISH. THE SCOPE INCLUDING PATCHING (INFILL GWB) IF REQUIRED.
60	ALIGN INSIDE SURFACE OF NEW INFILL WALL ASSEMBLY WITH EXISTING WALL ASSEMBLY ABOVE. CONTRACTOR TO VERIFY DIMENSIONS OF INFILL ASSEMBLY AT SITE FOLLOWING ABATEMENT WORKS BY OTHERS.
61	EXISTING ROOF LADDER WITH SAFETY CAGE
63	NEW 4X10' FLOATING GLASS WHITEBOARD
64	NEW RADIATOR/FIN TUBE CONCEALED BEHIND FINISHES.
65	ALONG GRID 11 AT LEVELS 2 AND 3, CONTRACTOR TO REPAIR EXISTING 1HR FIRE RATED ASSEMBLY (REF. BUILDING SECTION 1/A501) AND APPLY FIRESTOPPING MATERIAL AT LOCATIONS WHERE EXISTING PIPING SERVICES PENETRATE. REPAIR OPENINGS WITH WALL TYPE B2A OR SH-1
66	SEPARATE PRICE NO. 1: TO SUPPLY AND INSTALL A WATER BASED AIR/LIQUID MOISTURE BARRIER TO THE INSIDE FACE OF THE EXISTING LEVEL 3 EXTEIROR WALL ALONG GIRD 14 BETWEEN GRIDS C AND K ("AIR SHIELD LMP" BY W. R. MEADOWS OF CANADA
67	ALTERNATIVE PRICE NO. 1: IN LIEU OF THE REMOVAL OF DECOMMISSIONED ELEVATOR AND ASSOCIATED WORKS AS INDICATED IN THE DRAWINGS AND SPECIFIED HEREIN, PROVIDE ONLY DECOMMISSIONING OF THE ELEVATOR (CUT HOIST ROPES, & PUT CAB INTO THE PIT, SEAL DOORS, HAVE TSSA DECOMMISSION) AS SPECIFIED HEREIN, INCLUDING ANY ASSOCIATED WORK SHALL BE INCLUDED
68	APPLY FIRESTOPPING TO EXISTING PENETRATIONS TO ENSURE COMPLIANT FIRE SEPARATION

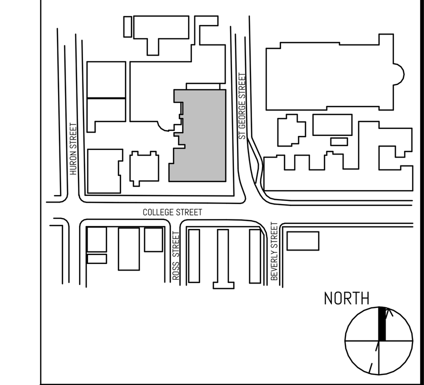
GENERAL NOTES: NEW WORK

A. MAKE GOOD ALL EXISTING WALL SURFACES DAMAGED DURING REMOVALS AND CONSTRUCTION.
B. NEW FLOOR FINISHES. REFER TO FINISH SCHEDULE
C. NEW DOOR & DOOR FRAME. REFER TO DOOR SCHEDULES
D. PAINT ALL EXISTING DOORS AND DOOR FRAMES
E. PROVIDE FIRESTOPPING TO ALL NEW FLOOR SERVICE PENETRATIONS. REFER TO MECH AND ELEC DWGS FOR LOCATIONS OF PENETRATIONS
F. PROTECT ALL EXISTING FINISHES, LANDINGS, STAIRS, HANDRAILS & GUARDRAILS DURING CONSTRUCTION
G. CLEAN AND PAINT EXISTING PIPE & MECH. DUCTS AS REQUIRED
H. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE MECHANICAL & ELECTRICAL DRAWINGS
I. WHERE DISSIMILAR COMPONENTS SUCH AS PUSH BUTTON AND KEY SWITCH ARE INTO FIRE-RATED ASSEMBLIES, ENSURE CONTINUITY OF FIRE SEPARATIONS BY BOXING IN ELEMENTS WITH GYPSUM BOARD AND FRAMING TO SUIT AUTHORITIES JURISDICTION
J. CONTRACTOR TO PATCH, REPAIR AND MAKE GOOD ALL AREAS DISTURBED BY THE OPERATION OF THE WORK AND DISTURBED BY THE WORK OF OTHER TRADES (MECH, ELECT, AV, & ETC.) MATERIALS AND FINISHES TO MATCH EXISTING UNLESS NOTED OTHERWISE
K. FILL NEW FLOOR OPENINGS WITH NON SHRINK GROUT. REFER TO MECH AND ELEC DWGS
L. NEW DRYWALL PARTITIONS AND EXISTING PARTITIONS WITHIN PROJECT C/W NEW BASE. NEW BASE TO BE ONE PIECE ON EACH SEGMENT OF WALL, BOTH SIDES OF THE WALL. WALL TO SIT DIRECTLY ON FLOOR. REFER TO FINISH SCHEDULE
M. PAINT WALLS AND BULKHEADS IN AND CORRIDORS WITHIN PROJECT SCOPE. REFER TO FINISH SCHEDULE

FLOOR PLAN LEGEND & SYMBOLS

- GLAZING TYPE TAG
- WALL TYPE TAG
- WALL TYPE TAG (TO BE VIF BY CONTRACTOR)
- SPOT ELEVATION (PROPOSED FLOOR ELEVATION DATUM)
- SPOT ELEVATION (EXISTING FLOOR ELEVATION DATUM)
- EXISTING WALL TO REMAIN
- NEW PARTITION
- NEW OR EXISTING RATED WALL TO BE MAINTAINED
- NEW NOTE REFERENCE TAG
- NIC PRIMARY SCOPE OF WORK
- SCOPE OF WORK
- SHELL SPACE - FIT-OUT BY OTHERS
- MAKE GOOD EXISTING FLOOR
- EXIST. UNEXCAVATED SPACE
- DOOR TAG
- SPECIALTY EQUIPMENT TAG
- REPAIR SCOPE TAG (REFER TO A212A)

KEY PLAN :



REVISION

NO.	DATE	DESCRIPTION
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6	12/13/2024	F&S REVIEW
7	01/25/2025	PEER REVIEW
8	01/31/2025	ISSUED FOR BID
9	03/07/2025	BID ADDENDUM #1

ENFORM architects
ENFORM Architects Inc.
128A Sterling Road, Suite 300B
Toronto, Ontario, Canada M6R 2B7
t: 647-948-7523
www.enformarchitects.com

SEAL :

OWNER:
UNIVERSITY OF TORONTO

PROJECT :
UNIVERSITY OF TORONTO HEALTH & WELLNESS CENTRE AT KOFFLER RENOVATION

214 College Street, Toronto, ON M5T 3A1

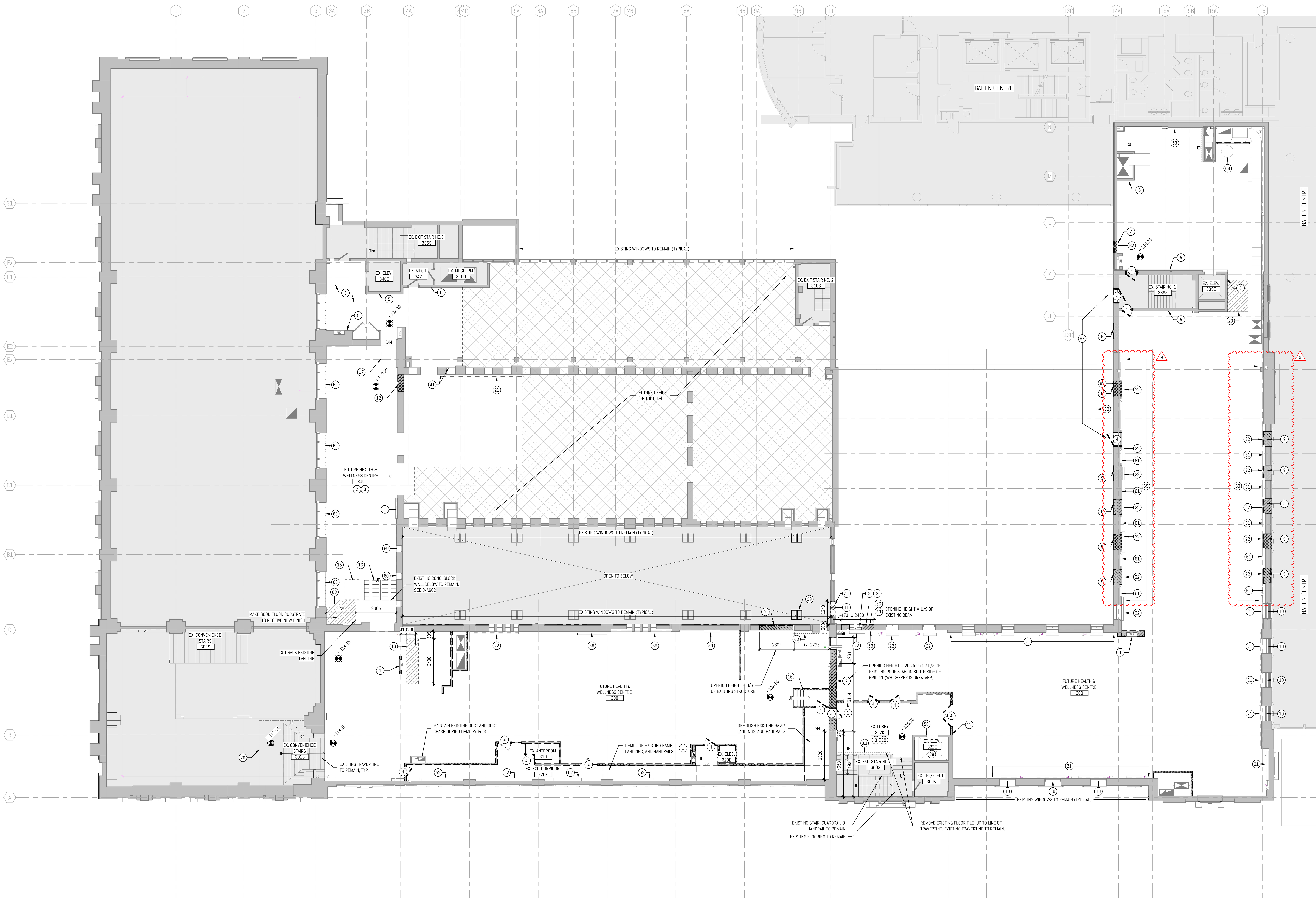
SHEET CONTENTS :
ENLARGED 3RD FLOOR PLAN

PROJECT NUMBER : 23-011 (P143-19-100)

DRAWING SCALE : 1:50

DRAWN BY : NE | CHECKED BY : AF | DATE: 2025-01-31

SHEET NO : A218 | REV : 9



1 DEMO LEVEL 03 - OVERALL
AD203 1 : 100 Ref. 3/ A008

DEMOLITION FLOOR PLAN NOTES

NOTE	DESCRIPTION
1	EXISTING FIRE HOSE CABINET TO BE REMOVED. REFER TO MECHANICAL.
2	REMOVE EXISTING PARTITIONS GWB & FRAMING AS REQUIRED. PATCH REPAIR AND MAKE GOOD REMAINING WALLS TO RECEIVE NEW FINISHES.
3	REMOVE EXISTING FLOORING AND WALLBASE, MAKE GOOD EXISTING FLOOR TO ACCEPT NEW FLOORING.
3.1	CAREFULLY CHIP OUT EXISTING FLOOR TILE UP TO EDGE OF EXISTING STONE FLOOR FINISH AT EXISTING GUARD RAIL. LEAVING ±175mm FROM EDGE OF FLOOR (WIDTH OF STONE TRIM FINISH)
4	REMOVE EXISTING DOOR AND DOOR FRAME, SALVAGE LOCKSET/CYLINDERS AND CLOSER. ITEMS TO BE HANDED TO U OF T REPRESENTATIVE.
5	CONTRACTOR TO MAINTAIN EXISTING FRR AROUND EXISTING ELEVATOR, STAIRWAY, AND MECHANICAL SHAFTS.
6	DISMANTLE EXISTING MILLWORK ENTRY TO MINIMISE DAMAGE TO EXISTING MASONRY.
7	CUT OPENING IN EXISTING MASONRY WALL. MAKE GOOD TO ACCEPT NEW WORKS REFER TO STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR TEMPORARY WORKS REQUIREMENTS AND EXISTING CONDITION CONSIDERATIONS, ON
7.1	CUT OPENING IN EXISTING MASONRY WALL. MAKE GOOD TO ACCEPT NEW WORKS REFER TO STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR TEMPORARY WORKS REQUIREMENTS AND EXISTING CONDITION COSIDERATIONS, SALVAGE FACE BRICK FOR FUTURE INCORPORATION
8	REMOVE EXISTING MASONRY WALL BELOW EXISTING WINDOW OPENING. MAKE GOOD TO ACCEPT NEW INTERIOR FINISH. REFER TO STRUCTURAL.
9	REMOVE BLOCKING FROM EXISTING WINDOW OPENINGS. MAKE GOOD TO ACCEPT NEW WINDOWS AND ROOM FINISHES.
10	EXISTING WINDOW IN EXISTING OPENING TO REMAIN, EXISTING BRICK OR STONE RETURN TO REMAIN.
11	REMOVE ALL EXISTING WINDOW COMPONENTS FROM EXISTING OPENING.
12	CUT NEW OPENING STRUCTURAL MASONRY WALL. REFER TO STRUCTURAL.
13	CUT NEW OPENING IN EXISTING FLOOR. REFER TO STRUCTURAL, MECHANICAL, AND ELECTRICAL.
14	CAREFULLY REMOVE EXISTING DECALTO MINIMIZE DAMAGE TO WALL AND CLEAN SURFACE TO ACCEPT NEW PAINT.
15	REMOVE AND SALVAGE EXISTING VERTICAL PLATFORM SYSTEM. ITEMS TO BE HANDED TO U OF T REPRESENTATIVE. REFER TO ELECTRICAL AND STRUCTURAL.
16	REMOVE EXISTING STAIRS AND PLATFORM C/W HANDRAIL AND GUARDRAIL.
17	REMOVE RAMP C/W HANDRAIL.
18	REMOVE & SALVAGE EXISTING TILE (BY HERITAGE CONTRACTOR), SET ASIDE TO USE IN OTHER LOCATIONS. MAKE GOOD EXISTING FLOORING TO ACCEPT NEW FLOORING & FOOT GRILLE.
19	CHIP EXISTING CONCRETE AS REQUIRED TO INSTALL NEW RECESSED FLOOR GRILLE. TO BE COORDINATED ON SITE.
20	PROPOSED LINE OF CONSTRUCTION HOARDING BY CONTRACTOR. MAINTAIN MIN. 1100mm CLEARANCE IN CORRIDORS.
21	DISMANTLE AND REMOVE EXISTING RADIATOR COVER TO MINIMISE DAMAGE TO EXISTING WALL.

DEMOLITION FLOOR PLAN NOTES

NOTE	DESCRIPTION
22	DISMANTLE AND REMOVE EXISTING RADIATOR AND COVER TO MINIMISE DAMAGE TO EXISTING WALL.
23	CUT BACK EXISTING RAISED CONCRETE SLAB. MAKE GOOD OPENING TO RECEIVE NEW SLAB TO CREATE CONTINUALLY FLUSH FLOOR.
24	CAREFULLY REMOVE DAMAGED MDF WALLBASE AND MAKE GOOD WALL TO RECEIVE NEW WALL BASE
25	CAREFULLY DISMANTLE EXISTING SURROUNDING DOOR ORNAMENTATION. MAKE GOOD WALL TO RECEIVE NEW PAINT FINISH. REFER TO IMAGE 1
27	TYPICAL NOTE (APPLIES TO ALL FLOORS WITHIN PROJECT): REFER TO BACK-TO-BASE DEMOLITION SCOPE OF WORK, BUILDING PERMIT 23 220305 BLD 00 BA.
28	REMOVE WALL BASE, PATCH AND MAKE GOOD WALL TO RECEIVE NEW WALL BASE, TYP.
29	REMOVE GLASS ABOVE DOORS. FILL REVEAL FOR NEW GLASS, SAND AND PAINT.
30	REMOVE DOORS AND GLASS SIDELIGHTS.
31	LINE OF PAVING DEMOLITION - REFER TO ARCH AND LANDSCAPE DRAWINGS.
32	REMOVE EXISTING CARPET AND MAKE GOOD TO RECEIVE NEW FLOOR FINISH
33	DEMOLISH EXISTING STAIRS AND RAMP
35	REFER TO HERITAGE DRAWINGS H-03 FOR MASONRY REPAIR WORKS
36	INFILL ABANDONED PENETRATIONS IN FLOOR SLAB WITH MIN. 150mm CONCRETE
38	DECOMMISSION EXISTING ELEVATOR AND DISMANTLE ALL COMPONENTS. REFER TO MECHANICAL AND ELECTRICAL.
39	DEMOLISH EXISTING ORNAMENTAL ARCH AND EXPOSE ENCASED STRUCTURE.
40	SELECTIVE DEMOLITION OF ROOFING MEMBRANES. CUT BACK EXISTING MEMBRANES AND PREPARE TO RECEIVE NEW WATERPROOFING AND INSULATION TO NEW STRUCTURAL CURB.
41	DEMOLISH EXISTING WALL FINISH AND MAKE GOOD SUBSTRATE TO RECEIVE NEW FINISH.
42	APPROXIMATE EXTENT OF FLOOR FINISH REMOVAL. SALVAGE FLOOR TILES WHERE APPROPRIATE.
43	DEMOLISH EXISTING VERTICAL SERVICE PIPING. REFER TO MECHANICAL.
44	DEMOLISH EXISTING SINK, MILLWORK, AND RANGEHOOD. REFER TO MECHANICAL AND ELECTRICAL. MAKE GOOD EXISTING FLOOR AND WALL SURFACES TO RECEIVE NEW FINISHES.
45	DEMOLISH EXISTING SHELVING AND CLOSET DOORS. MAKE GOOD EXISTING FLOOR AND WALL SURFACES TO RECEIVE NEW FINISHES.
46	TYPICAL NOTE (APPLIES TO ALL FLOORS WITHIN PROJECT): DEMOLISH EXISTING DECOMMISIONED ELECTRICAL WALL BOXES AND CUT CONDUIT WITHIN 100MM. PREPARE WALL OPENING TO RECEIVE NEW GWB INFILL REPAIR.
47	REMOVE STUB WALL. MAKE GOOD PERPENDICULAR WALL SURFACE TO RECEIVE NEW GWB INFILL REPAIR.
48	REMOVE LAYER OF GWB TO EXPOSE SUBSTRATE.

DEMOLITION FLOOR PLAN NOTES

NOTE	DESCRIPTION
49	CAREFULLY CUT AND REMOVE EXISTING FLOOR TILE FOR FUTURE RE-INSTALLATION. NON-DAMAGED TILE TO BE PLACED IN TEMPORARY STORAGE.
50	EXISTING STAINLESS STEEL JAMB AND HEADER TRIM, ELEVATOR LANTERN AND PUSHBUTTONS TO BE REMOVED.
51	REMOVE WALL BASE AND MAKE GOOD WALL SURFACE TO RECEIVE TO WALL BASE.
52	MAKE GOOD SURFACE OF EXISTING RADIATOR COVER TO RECEIVE NEW PAINT FINISH
53	REMOVE EXISTING WALL TILE.
54	TYPICAL NOTE FOR 2ND & 3RD LEVELS: MAKE GOOD ALL PERIMETER WALL SURFACES NORTH OF GRID 11 UP TO 2750MM A.F.F. TO ACCOMMODATE A NEW PAINT FINISH. THE SCOPE INCLUDING PATCHING (INFILL GWB) IF REQUIRED.
55	TYPICAL NOTE FOR 2ND & 3RD LEVELS: MAKE GOOD ALL PERIMETER WALL SURFACES SOUTH OF GRID 11 UP TO THE UNDERSIDE OF THE EXISTING CEILING TO ACCOMMODATE A NEW PAINT FINISH. THE SCOPE INCLUDING PATCHING (INFILL GWB) IF REQUIRED.
56	DEMOLISH LOWER AND UPPER CABINETS, COUNTERTOP, DISHWASHER AND SINK. REFER TO MECHANICAL. MAKE GOOD WALL SUBSTRATE TO RECEIVE NEW PAINT FINISH.
57	DEMOLISH IT/COMMS WALL CABINET. REFER TO ELECTRICAL.
58	EXISTING ROOF LADDER WITH SAFETY CAGE TO REMAIN.
59	EXISTING WALL RADIATOR LOCATED AT 2450MM A.F.F. REFER TO MECHAMICAL DRAWINGS FOR NEW SCOPE OF WORK.
60	DEMOLISH GUARDRAIL.
61	EXPOSED MASONRY.
62	DEMOLISH EXISTING GWB AND FRAMING TO EXPOSE MASONRY INFILL (PREVIOUSLY WINDOW).
63	DISMANTLE AND REMOVE EXTERIOR BALCONY TO MINIMIZE DAMAGE TO MASONRY WALL. MAKE GOOD EXISTING MASONRY WALL AT ALL LOCATIONS IMPACTED BY REMOVAL OF BALCONY.
64	REMOVE DAMAGED GWB AND FRAMING. MAKE GOOD SUBSTRATE TO ACCEPT NEW FURRING WALL.
65	DISMANTLE AND REMOVE EXISTING RADIATOR AND COVER TO MINIMISE DAMAGE TO EXISTING WALL. INFILL OPENING WITH SALVAGED BRICK FROM NEW OPENING (REF. NOTE 7.1)
66	GRIND / CUT EXISTING STONE BANDING AND COPPER FLASHING. MAKE FLUSH WITH BRICK
67	REMOVE EXISTING WALL PACKS AND EXIST SIGNAGE. PATCH AND MAKE GOOD EXISTING MASONRY AS REQUIRED, REMOVE ELECTRICAL CABLEING AND CONDUIT, SEAL OPENINGS TO BE AIRTIGHT
68	EXISTING CONTROL PANEL FOR PLATFORM LIFT TO BE DECOMISSIONED AND REMOVED. REFER OT ELECTRICAL.
69	DEMOLISH EXPOSED VERTICAL AND HORIZONTAL STEEL RODS AND ANGLES WHICH PREVIOUSLY SUPPORTED LATH AND PLASTER.

GENERAL NOTES: DEMOLITION

A. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS.
B. ROOM NUMBERS SHOWN ARE EXISTING ROOM NUMBERS. REFER TO NEW WORK DRAWING FOR NEW ROOM NUMBERS
C. FOR ALL DESIGNATED SUBSTANCES MATERIALS REMOVAL PROCEDURES, REFER TO GENERAL SPECIFICATION FOR DESIGNATED SUBSTANCES MATERIALS REPORT AND SCOPE OF WORK. IF NOTED IN THE SCOPE OF WORK, CONSTRUCTION MANAGER IS RESPONSIBLE FOR DEMOLITION OF DESIGNATED SUBSTANCES AND FOR MATERIALS NOTED IN THE DESIGNATED SUBSTANCES MATERIALS REPORT WHERE AFFECTED BY CONSTRUCTION INCLUDING BUT NOT LIMITED TO MECHANICAL AND ELECTRICAL WORK.
D. TEMPORARY HOARDING MUST BE IN PLACE PRIOR TO ANY REMOVALS WORK. MAINTAIN ALL ACCESS TO EXIT REQUIREMENTS OF THE OBC.
E. PROTECT ALL EXISTING FINISHES, LANDINGS, STAIRS, HANDRAILS & GUARDRAILS DURING CONSTRUCTION.
F. MAKE GOOD ALL EXPOSED WALL AND CEILING SURFACES. REMOVE ALL NAILS, SCREWS, WALL PLUGS, WALL CLIPS, STAPLES FROM EXISTING WALLS. PATCH, REPAIR AND MAKE GOOD WALL SURFACES.
G. REMOVE ALL AFFECTED MILLWORK & OTHER EXISTING WALL MOUNTED ITEMS SUCH AS BULLETIN BOARDS, PEGBOARDS, CHALKBOARDS AND ACCESSORIES AS NOTED ON THE DRAWINGS. CONSTRUCTION MANAGER SHALL ASK APPROVAL FROM CONSULTANT AND U OF T REPRESENTATIVE BEFORE DISPOSING OF REMOVED ITEMS. MATERIALS & ITEMS THAT WILL NOT BE DISPOSED OF SHALL BE TAKEN BY THE CONSTRUCTION MANAGER TO A STORAGE AREA DESIGNATED BY THE U OF T REPRESENTATIVE.
H. REMOVE AND RETAIN ALL LOCKSETS /CYLINDERS AND ELECTRIC STRIKES, CLOSERS AND DOOR OPERATORS FROM DOORS TO BE SALVAGED AS NOTED ON THE DRAWINGS AND HAND OVER TO U OF T
I. REMOVE EXISTING DOORS AND FRAMES AS NOTED ON THE DRAWINGS
J. REMOVE ALL EXISTING FLOOR FINISH WITHIN THE CONSTRUCTION AREA BACK TO CONCRETE SUBSURFACE UNLESS NOTED OTHERWISE. REMOVE ALL ADHESIVE AND PATCH AND REPAIR SUBSURFACE TO RECEIVE NEW FLOOR FINISH TO PROVIDE SMOOTH FINISH
K. REMOVE UNUSED EXPOSED ANCHORS, SEAL GROUT, FILL HOLES ON THE EXISTING SLAB AND WALLS AS PER SPEC.
L. REFER TO GENERAL NOTES FOR ADDITIONAL DEMOLITION INFORMATION.

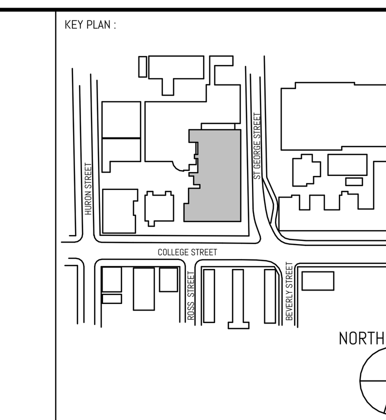
MAKE GOOD, MADE GOOD, MAKING GOOD
MAKE GOOD, MADE GOOD, MAKING GOOD MEANS REPAIRING, RESTORING, REFURBISHING, REHABILITATING OR PERFORMING FILLING OPERATION ON ANY EXISTING COMPONENTS DISTURBED DUE TO WORK OF THIS *CONTRACT*, TO AT LEAST THE CONDITION EXISTING AT THE COMMENCEMENT OF THE *WORK*, IN TERMS OF CONSTRUCTION INTEGRITY, FINISHES, ALIGNMENT WITH EXISTING ADJOINING SURFACES, COMPATIBILITY OF MATERIALS, SOUND, ATTENUATION CRITERIA, EXFILTRATION/INFILTRATION REQUIREMENTS, AIR/VAPOUR BARRIER AND THERMAL CONTINUITY.

CONSTRUCTION MANAGER TO SITE VERIFY ALL DIMENSIONS.

DEMOLITION LEGEND

- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE DEMOLISHED
- EXISTING ELEMENT TO BE DEMOLISHED
- INDICATIVE NEW OPENING IN EXISTING FLOOR REFER TO STRUCTURAL DRAWINGS. CM TO SUBMIT EXCAVATION WORKS PLAN
- + 150.70 EXISTING FLOOR DATUM
- N.I.C. PRIMARY SCOPE OF WORK
- EXISTING DOOR AND DOOR FRAME TO BE DEMOLISHED. HARDWARE TO BE RETURNED TO THE UNIVERSITY.
- DX DEMOLITION NOTE REFERENCE

KEY PLAN :



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9	03/07/2025	BID ADDENDUM #1

ENFORM architects
ENFORM Architects Inc.
128A Sterling Road, Suite 300B
Toronto, Ontario, Canada M6R 2B7
t: 647-948-7523
www.enformarchitects.com

SEAL :

OWNER: UNIVERSITY OF TORONTO

PROJECT : UNIVERSITY OF TORONTO HEALTH & WELLNESS CENTRE AT KOFFLER RENOVATION
214 College Street, Toronto, ON M5T 3A1

SHEET CONTENTS : LEVEL 3 DEMOLITION PLAN

PROJECT NUMBER : 23-011 (P143-19-100)
DRAWING SCALE : 1:100
DRAWN BY : NE | CHECKED BY : AF | DATE: 2025-01-31
SHEET NO : AD203 | REV : 9

Smith + Andersen
1100 – 100 Sheppard Ave. East, Toronto ON, M2N 6N5
416 487 8151 f 416 487 9104 smithandandersen.com

TENDER ADDENDUM

PROJECT NAME:	HEALTH & WELLNESS CENTER RENOVATION AT KOFFLER
COMPANY:	ENFORM
ATTENTION:	Alan Fraser
PROJECT NO.: 21590.003.M.001	DATE: 2025-03-07
TENDER ADDENDUM: M-01	ISSUED BY: Ali Safi

The following amendments are hereby made as part of the Contract Documents. The following revisions and/or additions shall be made to contract documents and the cost shall be included in the Tender Price.

1.0 MECHANICAL DRAWINGS

1.1 REFER TO TM-0.8 – CONTROLS DIAGRAMS AND SEQUENCES (included herein)

1.1.1 Revised controls diagrams and sequences as indicated on drawing.

1.2 REFER TO TM-0.9 – CONTROLS DIAGRAMS AND SEQUENCES (included herein)

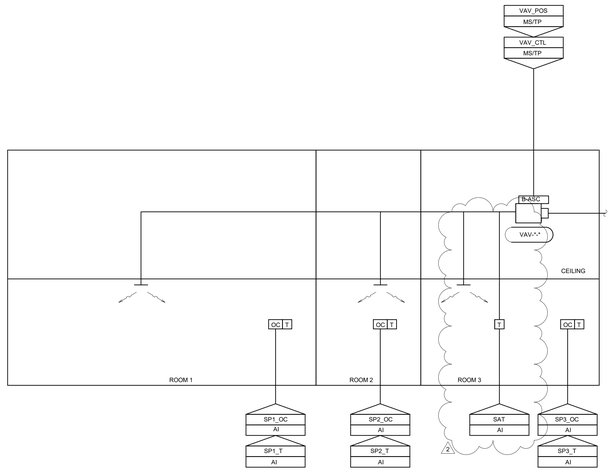
1.2.1 Revised controls diagrams and sequences as indicated on drawing.

1.3 REFER TO TM-R.3 – ROOF MECHANICAL LAYOUT (included herein)

1.3.1 Removed existing AHS-2 as indicated on drawing.

1.3.2 Added Drawing Note #9.

END OF MECHANICAL TENDER ADDENDUM M-01



VAV BOX (MULTIPLE ZONES) SYSTEM - SEQUENCE OF OPERATIONS

GENERAL
LOCATION: KOFFLER (143),
SYSTEM SERVING:
AHS-2
AHU-9

DESCRIPTION:
1. SYSTEM SHALL CONTROL AND MONITOR THE VAV BOX AND ASSOCIATED TEMPERATURE SENSORS TO MAINTAIN SPACE TEMPERATURE.

SENSOR FUNCTION
SPACE TEMPERATURE SENSOR (BY CONTROLS CONTRACTOR)
THIS INPUT SHALL BE USED TO MODULATE THE ASSOCIATED VAV BOX TO CONTROL THE SPACE TEMPERATURE.

OCCUPANCY SENSOR (BY CONTROL CONTRACTOR)
THIS INPUT SHALL BE USED TO ADD OR REMOVE TEMPERATURE SENSORS FROM THE SPACE TEMPERATURE AVERAGING FUNCTION.

SCHEDULE
OCCUPIED SCHEDULE:
SAME SCHEDULE AS ASSOCIATED AIR HANDLING UNIT.

SYSTEM START/STOP
SYSTEM ENABLED (INITIAL START- UP):
SYSTEM IS ENABLED THROUGH THE BAS BASED ON OPERATOR DEFINED SCHEDULE OR BY OPERATOR COMMAND.
1. VAV BOXES SHALL MODULATE TO THEIR PRESET POSITION.

SYSTEM DISABLED:
SYSTEM IS DISABLED THROUGH THE BAS BASED ON OPERATOR DEFINED SCHEDULE OR BY OPERATOR COMMAND.
1. VAV BOXES SHALL MODULATE CLOSED.

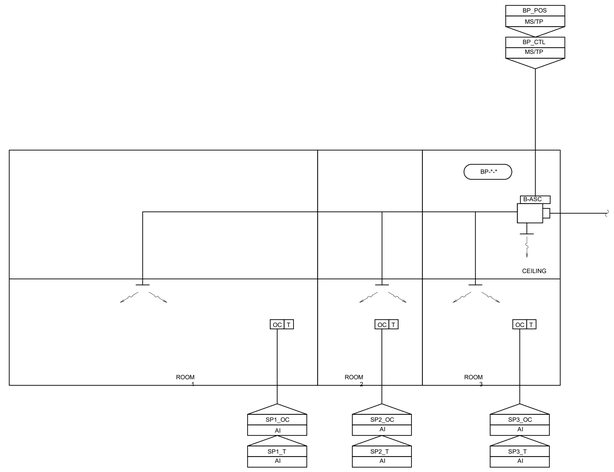
MODE OF OPERATION
SPACE TEMPERATURE SHALL BE AVERAGED FROM ALL CONNECTED SPACE TEMPERATURE SENSORS OF OCCUPIED ROOMS ONLY. VAV BOX SHALL MODULATE TO MAINTAIN SPACE TEMPERATURE SETPOINT OF 23°C (OPERATOR ADJUSTABLE) BASED ON OCCUPIED AVERAGE SPACE TEMPERATURE.
INTEGRATION WITH OTHER SYSTEMS:
1. CONNECT TO EMRS.
2. CONNECT TO B-BC OF ASSOCIATED AIR HANDLING UNIT

TRENDING:
1. SPACE TEMPERATURE FOR EACH SENSOR.

2 GRAPHICS TO DISPLAY THE MINIMUM AND MAXIMUM SETPOINTS FOR EACH VAV BOX.

ALARM DESCRIPTION	ACTION	ALARM
SPACE TEMPERATURE OUT OF RANGE +/- 2C DURING OCCUPIED MODE	CONTINUE TO RUN	LOW
BAS TO ALARM IN UNOCCUPIED MODE IF SPACE TEMPERATYRE DROPS BELOW 18 DEG (ADJUSTABLE)	CONTINUE TO RUN	LOW
NOTES: DO NOT ALARM WHEN OPERATOR OVERRIDES SYSTEM OR ITS COMPONENTS TO BE DISABLED.		

3 (TM-0.8) MULTI-ZONE VAV BOXES CONTROL DIAGRAM AND SEQUENCE



BYPASS BOX (MULTIPLE ZONES) SYSTEM - SEQUENCE OF OPERATIONS

GENERAL
LOCATION: KOFFLER (143),
SYSTEM SERVING:
AHS-4

DESCRIPTION:
1. SYSTEM SHALL CONTROL AND MONITOR THE BYPASS BOX AND ASSOCIATED TEMPERATURE SENSORS TO MAINTAIN SPACE TEMPERATURE.

SENSOR FUNCTION
SPACE TEMPERATURE SENSOR (BY CONTROLS CONTRACTOR)
THIS INPUT SHALL BE USED TO MODULATE THE ASSOCIATED BYPASS BOX TO CONTROL THE SPACE TEMPERATURE.

OCCUPANCY SENSOR (BY CONTROL CONTRACTOR)
THIS INPUT SHALL BE USED TO ADD OR REMOVE TEMPERATURE SENSORS FROM THE SPACE TEMPERATURE AVERAGING FUNCTION.

SCHEDULE
OCCUPIED/UNOCCUPIED:
THE OCCUPIED AND UNOCCUPIED MODES ARE DETERMINED BY A TIME OF DAY SCHEDULE. THE UNIT OPERATES UNDER NORMAL CONDITIONS DURING OCCUPIED SCHEDULE.
THE SYSTEM SHUTS DOWN DURING UNOCCUPIED SCHEDULE.
OCCUPIED SCHEDULE:
SAME SCHEDULE AS ASSOCIATED AIR HANDLING UNIT.

SYSTEM START/STOP
SYSTEM ENABLED (INITIAL START- UP):
SYSTEM IS ENABLED THROUGH THE BAS BASED ON OPERATOR DEFINED SCHEDULE OR BY OPERATOR COMMAND.
1. BYPASS BOXES SHALL MODULATE TO THEIR PRESET POSITION.

SYSTEM DISABLED:
SYSTEM IS DISABLED THROUGH THE BAS BASED ON OPERATOR DEFINED SCHEDULE OR BY OPERATOR COMMAND.
1. BYPASS BOXES SHALL MODULATE CLOSED.

MODE OF OPERATION
SPACE TEMPERATURE SHALL BE AVERAGED FROM ALL CONNECTED SPACE TEMPERATURE SENSORS OF OCCUPIED ROOMS ONLY. BYPASS BOX SHALL MODULATE TO MAINTAIN SPACE TEMPERATURE SETPOINT OF 23°C (OPERATOR ADJUSTABLE) BASED ON OCCUPIED AVERAGE SPACE TEMPERATURE.

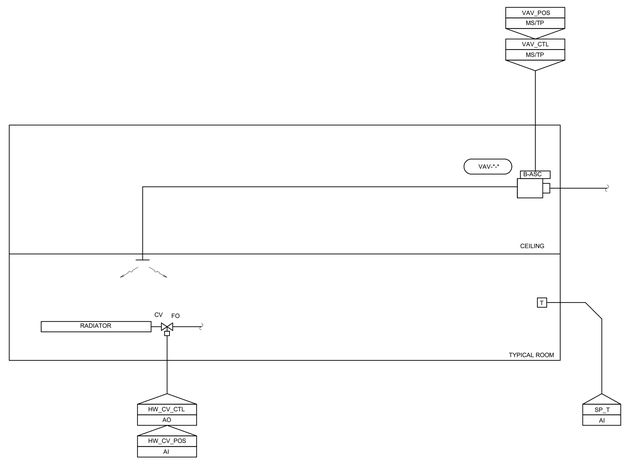
INTEGRATION WITH OTHER SYSTEMS:
1. CONNECT TO EMRS.
2. CONNECT TO B-BC OF ASSOCIATED AIR HANDLING UNIT

TRENDING:
1. SPACE TEMPERATURE FOR EACH SENSOR.

ALARM DESCRIPTION	ACTION	ALARM
SPACE TEMPERATURE OUT OF RANGE +/- 2C DURING OCCUPIED MODE	CONTINUE TO RUN	LOW
NOTES: DO NOT ALARM WHEN OPERATOR OVERRIDES SYSTEM OR ITS COMPONENTS TO BE DISABLED.		

1 (TM-0.8) BY PASS BOX CONTROL DIAGRAM AND SEQUENCE

4 (TM-0.8) NOT USED



VAV BOX WITH PERIMETER HEATING SYSTEM - SEQUENCE OF OPERATIONS

GENERAL
LOCATION: KOFFLER (143),
SYSTEM SERVING:
TYPICAL VAV BOX WITH RADIATORS

DESCRIPTION:
1. SYSTEM SHALL CONTROL AND MONITOR THE VAV BOX AND RADIATOR CONTROL VALVE TO MAINTAIN SPACE TEMPERATURE.

SENSOR FUNCTION
SPACE TEMPERATURE SENSOR (BY CONTROLS CONTRACTOR)
THIS INPUT SHALL BE USED TO MODULATE THE ASSOCIATED VAV BOX TO CONTROL THE SPACE TEMPERATURE.

SCHEDULE
OCCUPIED SCHEDULE:
SAME SCHEDULE AS ASSOCIATED AIR HANDLING UNIT.

SYSTEM START/STOP
SYSTEM ENABLED (INITIAL START- UP):
SYSTEM IS ENABLED THROUGH THE BAS BASED ON OPERATOR DEFINED SCHEDULE OR BY OPERATOR COMMAND.
1. NONE.

SYSTEM DISABLED:
SYSTEM IS DISABLED THROUGH THE BAS BASED ON OPERATOR DEFINED SCHEDULE OR BY OPERATOR COMMAND.
1. NONE.

MODE OF OPERATION
IF COOLING REQUIRED, VAV BOX SHALL MODULATE TO MAINTAIN SPACE TEMPERATURE SETPOINT.

IF HEATING REQUIRED, VAV BOX SHALL MODULATE TO MINIMUM POSITION AND HEATING WATER CONTROL VALVE SHALL MODULATE TO MAINTAIN SPACE TEMPERATURE SETPOINT OF 23°C (OPERATOR ADJUSTABLE).

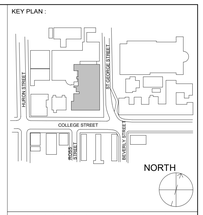
INTEGRATION WITH OTHER SYSTEMS:
1. CONNECT TO EMRS.
2. CONNECT TO B-BC OF ASSOCIATED AIR HANDLING UNIT

TRENDING:
1. SPACE TEMPERATURE

ALARM DESCRIPTION	ACTION	ALARM
SPACE TEMPERATURE OUT OF RANGE +/- 2C DURING OCCUPIED MODE	CONTINUE TO RUN	LOW
NOTES: DO NOT ALARM WHEN OPERATOR OVERRIDES SYSTEM OR ITS COMPONENTS TO BE DISABLED.		

2 (TM-0.8) VAV BOXES WITH RADIATORS CONTROL DIAGRAM AND SEQUENCE

KEY PLAN :



CONSTRUCTOR SHALL CHECK ALL DIMENSIONS ON THE WORK AND REPORT ANY DISCREPANCY TO THE CONSULTANT BEFORE PROCEEDING. THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNTIL AUTHORIZED IN WRITING BY CONSULTANT.

REVISION

NO.	DATE	DESCRIPTION
1	2025-01-31	ISSUED FOR BID
2	2025-03-07	Bid Addendum #01

Smith + Andersen
1100 - 100 Sheppard Ave East, Toronto ON, M2N 6N5
t 416 487 8151 smithandandersen.com

ENFORM architects
ENFORM Architects Inc.
128A Sterling Road, Suite 302B
Toronto, Ontario, Canada M6R 2B7
t: 647-948-7523
www.enformarchitects.com

SEAL :

OWNER:
UNIVERSITY OF TORONTO

PROJECT :
HEALTH AND WELLNESS CENTRE RENOVATION AT KOFFLER

214 COLLEGE ST,
TORONTO, ON M5T 3A1

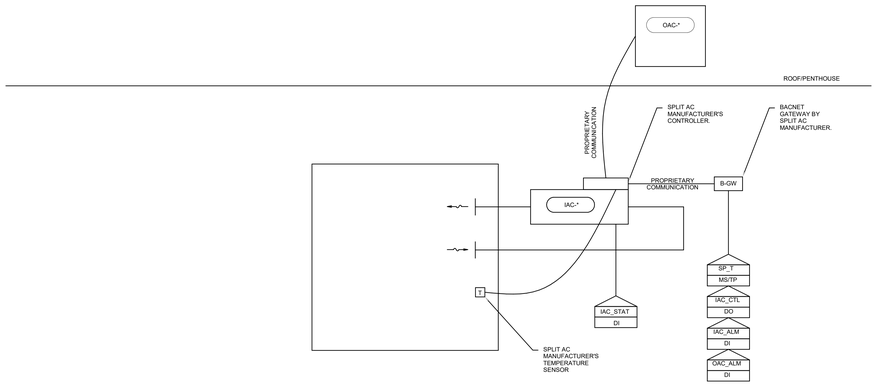
SHEET CONTENTS :
CONTROLS DIAGRAM AND SEQUENCES

PROJECT NUMBER :
21590.003

DRAWING SCALE :
N.T.S.

DRAWN BY :	CHECKED BY :	DATE:
AS	RC/DC	2024-02-08

SHEET NO. : **TM-0.8**
REV : **2**



SPLIT AC SYSTEMS (TYPICAL) - SEQUENCE OF OPERATIONS

GENERAL:
LOCATION: KOFFLER (143), STORAGE ROOM 205A, ELECTRICAL ROOM 380A, ELECTRICAL ROOM 343

DESCRIPTION:
SYSTEM SHALL PROVIDE COOLING AND MONITORING OF SPACE TEMPERATURE FOR ASSOCIATED ROOMS.

SENSOR FUNCTION
CURRENT SENSOR (BY CONTROLS CONTRACTOR):
THIS INPUT SHALL BE USED TO SENSE STATUS OF INDOOR AC UNIT.

SCHEDULE
ALWAYS ON.

SYSTEM START/STOP
SYSTEM ENABLED (INITIAL START- UP):
SYSTEM IS ENABLED THROUGH THE BAS BASED ON OPERATOR DEFINED SCHEDULE OR BY OPERATOR COMMAND.
1. SPLIT AC UNIT SHALL BE ENABLED.
2. INDOOR UNIT SHALL HAVE FAN RUN CONTINUOUSLY.
SYSTEM DISABLED:
SYSTEM IS DISABLED THROUGH THE BAS BASED ON OPERATOR DEFINED SCHEDULE OR BY OPERATOR COMMAND.
1. SPLIT AC UNIT SHALL BE DISABLED.

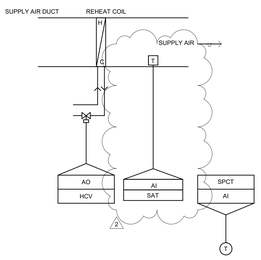
MODE OF OPERATION
SPLIT AC UNIT SHALL MODULATE COMPRESSORS TO MAINTAIN LOCAL SPACE TEMPERATURE SETPOINT.

INTEGRATION WITH OTHER SYSTEMS:
1. CONNECT TO EMRS.

TRENDING:
1. SPACE TEMPERATURE

ALARM DESCRIPTION	ACTION	ALARM
SPACE TEMPERATURE OUT OF RANGE ±2°C	CONTINUE TO RUN	LOW
NOTES: DO NOT ALARM WHEN OPERATOR OVERRIDES SYSTEM OR ITS COMPONENTS TO BE DISABLED.		

2 TM-0.9 SPLIT AC CONTROLS DIAGRAM



SYSTEM START:

SYSTEM SHALL BE ENABLED ONLY IN WINTER MODE.

1. SYSTEM START SHALL BE INITIATED BY SPACE TEMPERATURE DEMAND. UPON SIGNAL TO START THE SYSTEM, SUPPLY FAN SHALL START. HEATING COIL VALVE SHALL BE ENABLED.

NORMAL OPERATION WINTER MODE:

1. SUPPLY FAN (SFSS) SHALL CYCLE AND HEATING COIL VALVE (HCV) SHALL MODULATE TO MAINTAIN SPACE TEMPERATURE (SPCT) AT SET-POINT.

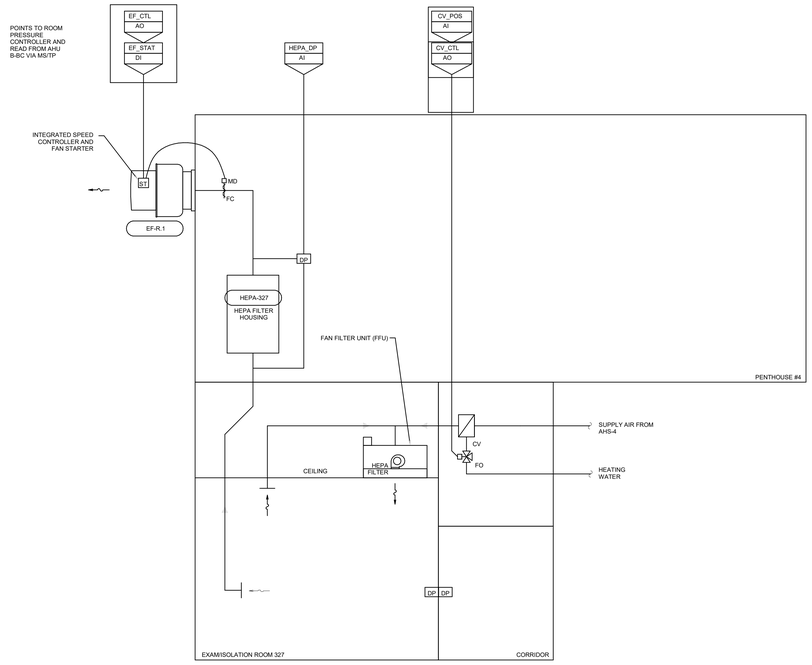
SYSTEM STOP:

1. SYSTEM STOP IS INITIATED WHEN SPACE TEMPERATURE IS SATISFIED. UPON SIGNAL TO STOP THE SYSTEM THE SUPPLY FAN SHALL STOP. HEATING COIL VALVE SHALL BE CLOSED.
2. SYSTEM SHALL BE DISABLED IN SUMMER MODE.

ALARMS:
1. SPACE TEMPERATURE (SPCT) OUT OF RANGE.

2

3 TM-0.9 REHEAT COIL CONTROLS DIAGRAM



ISOLATION ROOM - SEQUENCE OF OPERATIONS

GENERAL
LOCATION: KOFFLER STUDENT CENTER (143), PENTHOUSE #4
SYSTEM SERVING:
ISOLATION ROOM 073.

2

DESCRIPTION:
1. CONSTANT VOLUME SUPPLY AND EXHAUST FANS SHALL CONTINUE TO MAINTAIN A NEGATIVE PRESSURE DIFFERENTIAL AS SET BY AR BALANCERS.

2. THE BAS SHALL MONITOR AND DISPLAY THE DIFFERENTIAL PRESSURE IN THE SPACE AND SHALL ALARM IN ANY CASE WHERE PRESSURE IN SPACE BECOMES POSITIVE IN RELATION TO ADJACENT CORRIDOR.

MODE OF OPERATION:
IF ROOM PRESSURE DIFFERENTIAL CONTROLLER IS OPERATING IN "SETBACK" MODE:

FAN FILTER UNIT SHALL BE DISABLED.
ROOM DIFFERENTIAL PRESSURE CONTROLLER SHALL MODULATE EXHAUST FAN EF-R.1 SPEED TO MAINTAIN 0 INWC ROOM DIFFERENTIAL PRESSURE.

MODULATE REHEAT COIL CONTROL VALVE TO MAINTAIN SPACE TEMPERATURE.

IF ROOM PRESSURE DIFFERENTIAL CONTROLLER IS OPERATING IN "ISOLATION" MODE:

FAN FILTER UNIT SHALL BE ENABLED AT PREBALANCED AIRFLOW OF 250 CFM.

ROOM DIFFERENTIAL PRESSURE CONTROLLER SHALL ENABLE EXHAUST FAN EF-R.1.

LOCAL EF-R.1 ECM CONTROLLER SHALL OPEN MOTORIZED DAMPER MD-2. MODULATE EXHAUST FAN EF-R.1 SPEED TO MAINTAIN 0.03 INWC ROOM DIFFERENTIAL PRESSURE.

MODULATE REHEAT COIL CONTROL VALVE TO MAINTAIN SPACE TEMPERATURE.

INTEGRATION WITH OTHER SYSTEMS:
1. CONNECT TO EMRS.

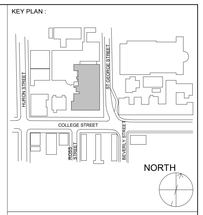
TRENDING:
1. ROOM PRESSURE.
2. ROOM TEMPERATURE

ALARM DESCRIPTION	ACTION	ALARM
ROOM PRESSURE BELOW 0.01 INWC.	ACTIVATE LOCAL AUDIBLE AND VISUAL ALARM	CRITICAL
FAN FILTER UNIT FILTER DIRTY	CONTINUE TO RUN	HIGH
HEPA FILTER HOUSING FILTER DIRTY	CONTINUE TO RUN	HIGH
EXHAUST FAN NOT WORKING	ACTIVATE LOCAL AUDIBLE AND VISUAL ALARM	CRITICAL
NOTES: DO NOT ALARM WHEN OPERATOR OVERRIDES SYSTEM OR ITS COMPONENTS TO BE DISABLED.		

2

1 TM-0.9 ISOLATION ROOM CONTROLS DIAGRAM AND SEQUENCE

KEY PLAN :



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REVISION

NO.	DATE	DESCRIPTION
1	2025-01-31	ISSUED FOR BID
2	2025-03-07	Bid Addendum #01

Smith + Andersen
1100 - 100 Sheppard Ave East, Toronto ON, M2N 6N5
t 416 487 8151 smithandandersen.com

ENFORM architects
ENFORM Architects Inc.
126A Sterling Road, Suite 302B
Toronto, Ontario, Canada M6R 2B7
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www.enformarchitects.com

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OWNER:

UNIVERSITY OF TORONTO

PROJECT :
HEALTH AND WELLNESS CENTRE RENOVATION AT KOFFLER

214 COLLEGE ST,
TORONTO, ON M5T 3A1

SHEET CONTENTS :
CONTROLS DIAGRAMS AND SEQUENCES

PROJECT NUMBER :
21590.003

DRAWING SCALE :
N.T.S.

DRAWN BY :	CHECKED BY :	DATE:
AS	RC/DC	2024-02-08

SHEET NO : **TM-0.9**
REV : **2**

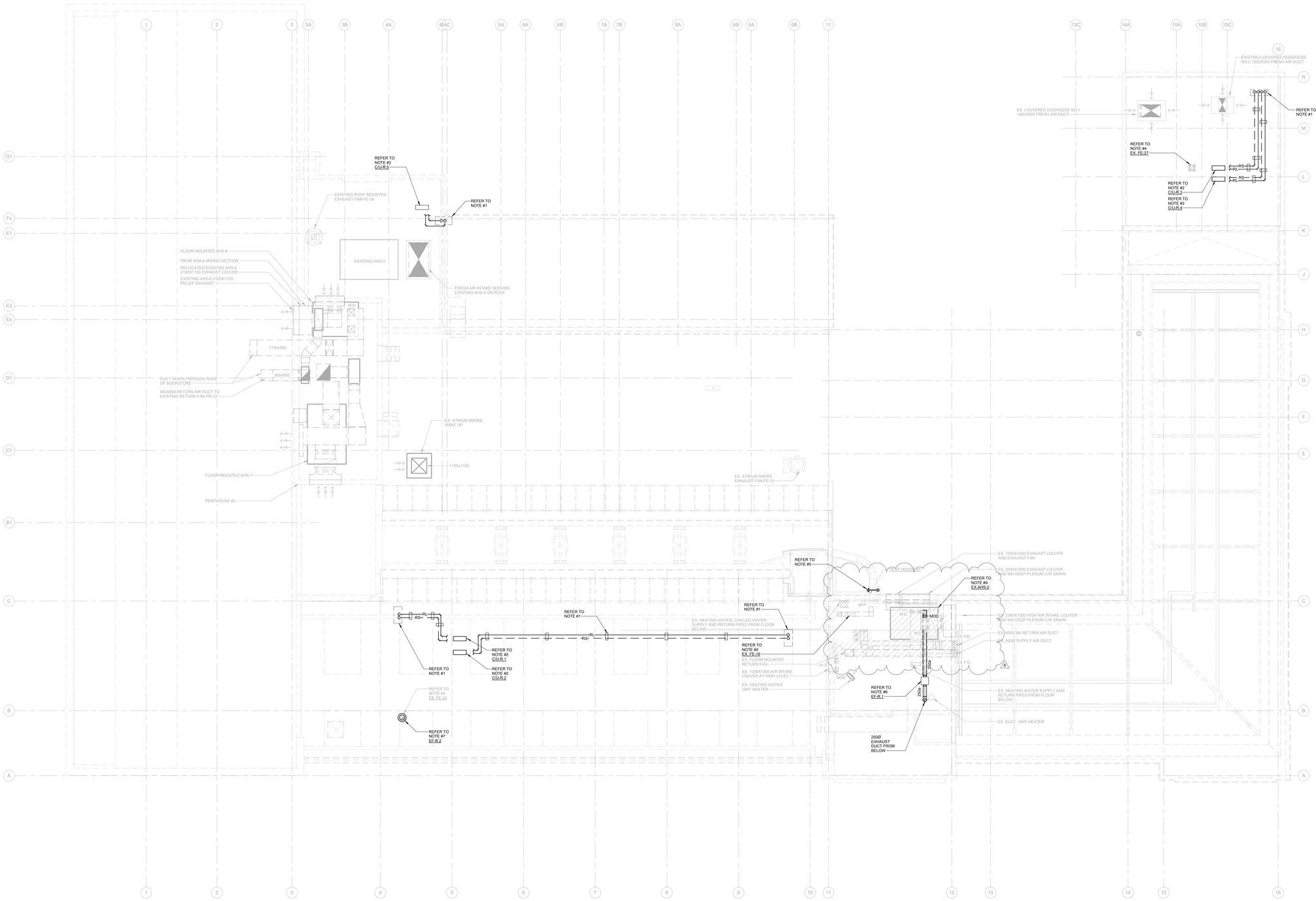
GENERAL NOTES:

1. DO NOT SCALE DRAWINGS. THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS OR SPECIFIED THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE. DETERMINE THE EXACT LOCATIONS NECESSARY TO SECURE THE BEST CONDITIONS AND RESULTS BASED ON SITE CONDITIONS. REVIEW ALL REVISIONS WITH THE CONSULTANT.
2. READ FLOOR PLANS IN CONJUNCTION WITH SCHEMATICS. ASSUME INFORMATION SHOWN ON FLOOR PLANS TO BE APPLICABLE TO THE RELATED SYSTEM SCHEMATIC AND VICE-VERSA TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM.
3. VERIFY STRUCTURAL INTEGRITY OF ALL TEMPORARY AND PERMANENT OPENINGS. PROVIDE ADDITIONAL FRAMING TO ENSURE STRUCTURAL INTEGRITY AS REQUIRED.
4. REFER TO THE STANDARD DETAILS AND DETAIL SHEETS FOR ADDITIONAL INFORMATION.

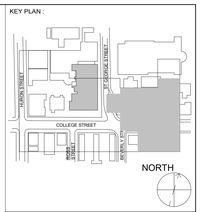
DRAWING NOTES:

1. RUN NEW LIQUID AND SUCTION REFRIGERATION LINES FROM BELOW VIA DOGHOUSE ENCLOSURE. REFER TO DETAIL/TM-0.3.
2. INSTALL NEW CONDENSING UNIT COMPLETE WITH ECOFOOT STAND ON THE ROOF AT THIS APPROXIMATE LOCATION. INSTALL CONDENSING UNIT ABOVE SNOW LINE AS PER MANUFACTURER'S REQUIREMENT. REFER TO DETAIL/TM-0.3
3. EXISTING AIR HANDLING UNITS TO REMAIN. INSPECT AND VERIFY THE OPERATION OF EXISTING AHS-3, AHS-4, AHS-7. PROVIDE A WRITTEN REPORT IDENTIFYING ALL IN OPERATIONAL OR DAMAGED CONTROL DEVICES AND PROVIDE AN ITEMIZED COST ASSOCIATED WITH REPAIR OR REPLACEMENT AS REQUIRED.
4. REMOVE EXISTING ROOF MOUNTED SANITARY EXHAUST FAN "EX.FE-24" AND CAP DUCTWORK AT ROOF FOR FUTURE CONNECTION. POWER DISCONNECTION BY ELECTRICAL DIVISION.
5. NEW 75ø WALL SCUPPER DRAIN COMPLETE WITH 75ø STORM PIPE DOWN ALONG BUILDING EXTERIOR WALL AS INDICATED. SECURE STORM PIPE TO EXTERIOR BUILDING WALL. STORM PIPE TO TERMINATE WITH 45 DEGREE DOWNSPOUT AT LOWER ROOF. REFER TO TM-2.2 FOR CONTINUATION. SCUPPER DRAIN AND STORM PIPE SPECIFICATION BY ARCHITECTURAL DIVISION. PROVIDE ELECTRICAL HEAT TRACING INSIDE STORM PIPE NVENT RAYCHEM SELF REGULATING HEATING CABLES OR EQUIVALENT. COORDINATE POWER REQUIREMENTS WITH ELECTRICAL DIVISION.
6. PROVIDE AND INSTALL NEW CEILING MOUNTED INLINE EXHAUST FAN COMPLETE WITH HEPA FILTRATION SECTION, ASSOCIATED HANGERS, SUPPORTS, CONTROLS, CONTROL WIRING, DUCTWORK, ETC. EXHAUST DUCTWORK TO BE THERMALLY INSULATED AND EXTEND TO EXISTING EXHAUST AIR PLENUM BOX AT EXTERIOR WALL AS INDICATED. INTERLOCK MOTORIZED DAMPER WITH EXHAUST FAN.
7. PROVIDE AND INSTALL NEW ROOF MOUNTED UP BLAST SANITARY EXHAUST FAN "EF-R.2". REMOVE CAP AND CONNECT NEW 450X450 SANITARY EXHAUST DUCT TO EXISTING 450X450 AND EXTEND AS INDICATED.
8. PROVIDE REFRIGERANT PIPING SUPPORT AS REQUIRED TO PROPERLY SUPPORT ENTIRE LENGTH OF REFRIGERANT PIPING. REFER TO DETAIL #/TM-0.4.
9. REMOVE EXISTING FLOOR MOUNTED AIR HANDLING UNIT COMPLETE WITH ASSOCIATED RIGID DUCTWORK, HEATING/CHILLED WATER PIPING, MOTORIZED DAMPERS, VFD, CONTROLS, CONTROL WIRING, ETC. CAP PIPING AS CLOSE TO SOURCE AS POSSIBLE. PATCH AND REPAIR FLOOR TO MATCH EXISTING.

6



KEY PLAN :



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REVISION

NO.	DATE	DESCRIPTION
1	2024-10-04	ISSUED FOR 50% REVIEW
2	2024-11-14	ISSUED FOR PERMIT
3	2024-12-04	ISSUED FOR F&S REVIEW
4	2025-01-24	ISSUED FOR PEER REVIEW
5	2025-01-31	ISSUED FOR BID
6	2025-03-07	Bid Addendum #01

Smith + Andersen
1100 - 100 Sheppard Ave East, Toronto ON, M2N 6N5
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SEAL :

OWNER:

UNIVERSITY OF TORONTO

PROJECT :

HEALTH AND WELLNESS CENTRE RENOVATION AT KOFFLER

214 COLLEGE ST,
TORONTO, ON M5T 3A1

SHEET CONTENTS :

ROOF - MECHANICAL LAYOUT

PROJECT NUMBER :
21590.003

DRAWING SCALE :
1:100

DRAWN BY :	CHECKED BY :	DATE:
AS	RC/DC	2024-02-08

SHEET NO : **TM-R.3**

REV : **6**

Smith + Andersen

1100 – 100 Sheppard Ave. East, Toronto ON M2N 6N5
t 416 487 8151 f 416 487 9104 smithandandersen.com

BID ADDENDUM

PROJECT NAME:	HEALH AND WELLNESS CENTRE RENOVATION AT KOFFLER
COMPANY:	ENFORM ARCHITECTS
ATTENTION:	Alan Fraser
PROJECT NO.:	21590.003.E.001
DATE:	2025-03-07
BID ADDENDUM NO.:	#01
ISSUED BY:	Kevin Ni

The following amendments are hereby made as part of the Contract Documents. The following revisions and/or additions shall be made to contract documents and the cost shall be included in the Tender Price.

1.0 GENERAL

1.1.1 Rearranged page layouts.

2.0 DRAWINGS

2.1 Refer to E031 PANEL SCHEDULE (included herein)

2.1.1 Clarified requirements for Panel 143-NRP-01-02-BA.

2.1.2 Provide lockable enclosure for panel 143-NRP-01-02-BD.

2.2 Refer to E032 PANEL SCHEDULE (included herein)

2.2.1 Clarified requirements for Panel 143-NRP-03-02-BC.

2.2.2 Clarified requirements for Panel 143-NRP-03-02-BD.

2.3 Refer to E034 PANEL SCHEDULE (included herein)

2.3.1 Clarified requirements for Panel 143-NDP-02-06-BA.

3.0 CLARIFICATION

3.1.1 Coordination

END OF ELECTRICAL BID ADDENDUM

21590.003.E.001.a001.docx

BLDG #: 143 PANEL TAG: 143-NRP-03-02-BA DATE MODIFIED: 2025-02-13

CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND	DESCRIPTION (Item, Room Number(s)):	BKR (A)	CT	CT	BKR (A)	DESCRIPTION (Item, Room Number(s)):	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND
450	0.60	270	RECEPT., 324	15	1 A	2	15	RECEPT., 320, 322, 324	450	0.60	270
450	0.60	270	RECEPT., 322	15	3 B	4	15	RECEPT., 307, 320K, 325V	450	0.60	270
450	0.60	270	RECEPT., 320	15	5 C	6	15	RECEPT., 323	600	0.60	360
600	0.60	360	RECEPT., 323	15	7 A	8	15	RECEPT., 323	600	0.60	360
300	0.60	180	RECEPT., 323	15	9 B	10	15	RECEPT., 323	600	0.60	360
600	0.60	360	RECEPT., 323	15	11 C	12	15	RECEPT., 323	300	0.60	180
200	0.60	120	ADO, 320K	15	13 A	14	15	RECEPT., 323	600	0.60	360
180	0.60	300	ROOFTOP RECEPTACLE; ROOF	20	15 B	16	15	RECEPT., 325B	450	1.00	450
		0	SPARE	15	17 C	18	20	RECEPT., 325B	450	1.00	450
		0	SPARE	15	19 A	20		SPACE			0
		0	SPARE	15	21 B	22		SPACE			0
		0	SPARE	15	23 C	24		SPACE			0
		0	SPARE	15	25 A	26		SPACE			0
		0	SPARE	15	27 B	28		SPACE			0
		0	SPARE	15	29 C	30		SPACE			0
		0	SPARE	15	31 A	32		SPACE			0
		0	SPARE	15	33 B	34		SPACE			0
		0	SPARE	15	35 C	36		SPACE			0
		0	SPARE	15	37 A	38		SPACE			0
		0	SPARE	15	39 B	40		SPACE			0
		0	SPARE	15	41 C	42		SPACE			0

BLDG: 143 FLOOR: 3 ROOM: 325 NEW TAG: N/A

RATINGS: 100A 120/208V 3 PHASE 4 WIRE S.C.: 10

FED. FROM:	PANEL TAG:	BLDG #:	ROOM #:	BREAKER SIZE	FEEDER SIZE:
	143-NDP-03-02-BA	143	325	100A/3P	4 #3 AWG + #6 AWG IN 1-1/2"C

143-NRP-03-02-BA.xlsx

6 E031 PANEL 143-NRP-03-02-BA SCHEDULE
SCALE: NTS

BLDG #: 143 PANEL TAG: 143-NRP-02-02-BA DATE MODIFIED: 2025-02-13

CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND	DESCRIPTION (Item, Room Number(s)):	BKR (A)	CT	CT	BKR (A)	DESCRIPTION (Item, Room Number(s)):	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND
150	0.60	90	RECEPT., 231	15	1 A	2	15	ADO, 231	100	0.60	60
600	0.60	360	RECEPT., 231	15	3 B	4	15	MOTORIZED SHADES, 231, 233	1200	0.60	720
600	0.60	360	RECEPT., 233	15	5 C	6	15	ADO, 233, 235	100	0.60	60
300	0.60	180	RECEPT., 233	15	7 A	8	15	MOTORIZED SHADES, 235	200	0.60	120
150	0.60	90	RECEPT., 231	15,GFI	9 B	10	15	ADO, 237A, 237B	200	0.60	120
600	0.60	360	RECEPT., 231	15	11 C	12	15	MOTORIZED SCREEN., 231,233	1200	0.60	720
150	0.60	90	RECEPT., 231	20,GFI	13 A	14	20	RECEPT., 238	500	0.60	300
450	0.60	270	RECEPT., 230K	15	15 B	16	15	SPARE			0
300	0.60	180	RECEPT., 235	15	17 C	18	20	RECEPT., 238	500	0.60	300
600	0.60	360	RECEPT., 235	15	19 A	20	15	SPARE			0
300	0.60	180	RECEPT., 235	15	21 B	22	15	SPARE			0
300	0.60	180	RECEPT., 236	20	23 C	24	15	SPARE			0
450	0.60	270	RECEPT., 236	15	25 A	26	15	SPARE			0
450	0.60	270	RECEPT., 237A, 237B, 237C	15,GFI	27 B	28	15	SPARE			0
300	0.60	180	RECEPT., 237	15	29 C	30		SPACE			0
300	0.60	180	RECEPT., 237	15	31 A	32		SPACE			0
150	0.60	90	RECEPT., 237	20,GFI	33 B	34		SPACE			0
450	0.60	270	RECEPT., 237	15	35 C	36		SPACE			0
150	0.60	90	RECEPT., 237A	20	37 A	38		SPACE			0
150	0.60	90	SECURITY PANEL, 233A	15	39 B	40		SPACE			0
600	0.60	360	RECEPT., 237	15	41 C	42		SPACE			0

BLDG: 143 FLOOR: 2 ROOM: 231B NEW TAG: N/A

RATINGS: 125A 120/208V 3 PHASE 4 WIRE S.C.: 10

FED. FROM:	PANEL TAG:	BLDG #:	ROOM #:	BREAKER SIZE	FEEDER SIZE:
	143-NDP-02-02-BA	143	2744	125A/3P	4 #1 AWG + # 6 AWG IN 2"C

143-NRP-02-02-BA.xlsx

4 E031 PANEL 143-NRP-02-02-BA SCHEDULE
SCALE: NTS

BLDG #: 143 PANEL TAG: 143-NRP-01-02-BA DATE MODIFIED: 2025-02-13

CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND (W)	DESCRIPTION (Item, Room Number(s)):	BKR (A)	CT	CT	BKR (A)	DESCRIPTION (Item, Room Number(s)):	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND (W)
450	0.60	270	RECEPT., 114	15	1 A	2	20	RECEPT., 119	300	0.60	180
300	0.60	180	RECEPT., 114	20	3 B	4	20	RECEPT., 119	150	0.60	90
450	0.60	270	RECEPT., 114	15	5 C	6	20	RECEPT., 119	150	0.60	90
300	0.60	180	RECEPT., 112	15	7 A	8	2P		150	0.60	90
300	0.60	180	RECEPT., 112	15	9 B	10	20	RECEPT., 119	300	0.60	180
300	0.60	180	RECEPT., 106	15	11 C	12	2P		300	0.60	180
300	0.60	180	RECEPT., 106	15	13 A	14	20	RECEPT., 119	150	0.60	90
300	0.60	180	RECEPT., 106	15	15 B	16	2P		150	0.60	90
300	0.60	180	RECEPT., 106, 115K	15	17 C	18	15,GFI	RECEPT., 119	300	0.60	180
150	0.60	90	RECEPT., 115K	15	19 A	20	15,GFI	RECEPT., 119	300	0.60	180
150	0.60	90	RECEPT., 107A	20	21 B	22	15	RECEPT., 119	150	0.60	90
150	0.60	90	RECEPT., 107B	15	23 C	24	15	DIRECT CONNECTION, 119	100	0.60	60
600	0.60	360	RECEPT., 107	15	25 A	26	15	RECEPT., 100E	100	0.60	60
300	0.60	180	RECEPT., 107	15	27 B	28	30	TRENCH DRAIN SYSTEM	2290	0.50	1145
600	0.60	360	RECEPT., 107	15	29 C	30	15	ADO., 115	200	0.60	120
600	0.60	360	RECEPT., 107	15	31 A	32	15	ADO., 100V	200	0.60	120
450	0.60	270	RECEPT., 107, 115K	15	33 B	34	15	ADO., 107	200	0.60	120
750	0.60	450	RECEPT., 113	15	35 C	36	15	ADO., 106	100	0.60	60

BLDG: 143 FLOOR: 1 ROOM: 107B NEW TAG: N/A

RATINGS: 100 A 120/208V 3 PHASE 4 WIRE S.C.: 10

FED FROM:	PANEL TAG:	BLDG #:	ROOM #:	BREAKER SIZE:	FEEDER SIZE:
	PP-GP	143	BO13	100A/3P	4 #3 AWG + #6 AWG IN 1-1/2"C

CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND (W)	DESCRIPTION:	BKR (A)	CT	CT	BKR (A)	DESCRIPTION:	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND (W)
300	0.60	180	RECEPT., 115	15	37 A	38		SPACE			0
450	0.60	270	RECEPT., 115	15	39 B	40		SPACE			0
300	0.60	180	RECEPT., 115	15	41 C	42		SPACE			0
300	0.50	150	MOT. PARTITION	15	43 A	44		SPACE			0
		0	SPARE	15	45 B	46		SPACE			0
		0	SPARE	15	47 C	48		SPACE			0
		0	SPARE	15	49 A	50		SPACE			0
		0	SPARE	15	51 B	52		SPACE			0
		0	SPARE	15	53 C	54		SPACE			0
		0	SPARE	15	55 A	56		SPACE			0
		0	SPARE	15	57 B	58		SPACE			0
		0	SPARE	15	59 C	60		SPACE			0
		0	SPARE	15	61 A	62		SPACE			0
		0	SPARE	15	63 B	64		SPACE			0
		0	SPARE	15	65 C	66		SPACE			0
		0	SPARE	15	67 A	68		SPACE			0
		0	SPARE	15	69 B	70		SPACE			0
		0	SPARE	15	71 C	72		SPACE			0

143-NRP-01-02-BA.xlsx

1 E031 PANEL 143-NRP-01-02-BA SCHEDULE
SCALE: NTS

BLDG #: 143 PANEL TAG: 143-NRP-01-02-BB DATE MODIFIED: 2025-02-13

CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND	DESCRIPTION (Item, Room Number(s)):	BKR (A)	CT	CT	BKR (A)	DESCRIPTION (Item, Room Number(s)):	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND
150	0.60	90	RECEPT., 131B	15	1 A	2	15	SPARE			0
300	0.60	180	RECEPT., 126, 131B	15	3 B	4	15	SPARE			0
150	0.60	90	RECEPT., 131B	15	5 C	6	15	SPARE			0
150	0.60	90	RECEPT., 131B	15	7 A	8	15	SPARE			0
300	0.60	180	RECEPT., 126A	20	9 B	10	15	SPARE			0
150	0.60	90	RECEPT., 120V, 125, 126	15	11 C	12	15	SPARE			0
150	0.60	90	RECEPT., 130	15	13 A	14	15	SPARE			0
300	0.60	180	RECEPT., 131K	15	15 B	16	15	SPARE			0
150	0.60	90	RECEPT., 125	20	17 C	18	15	SPARE			0
600	0.60	360	RECEPT., 125	15	19 A	20		SPACE			0
600	0.60	360	RECEPT., 125	15	21 B	22		SPACE			0
600	0.60	360	RECEPT., 125	15	23 C	24		SPACE			0
600	0.60	360	RECEPT., 125	15	25 A	26		SPACE			0
600	0.60	360	RECEPT., 125	15	27 B	28		SPACE			0
200	0.60	120	ADO, 122V, 120V	15	29 C	30		SPACE			0
450	0.60	270	RECEPT., 122	20	31 A	32		SPACE			0
		0	SPARE	15	33 B	34		SPACE			0
300	0.60	180	RECEPT., 118	20	35 C	36		SPACE			0
450	0.60	270	RECEPT., 122	20	37 A	38		SPACE			0
			SPARE	15	39 B	40		SPACE			0
		0	SPARE	15	41 C	42		SPACE			0

BLDG: 143 FLOOR: 1 ROOM: 126B NEW TAG: N/A

RATINGS: 225A 120/208V 3 PHASE 4 WIRE S.C.: 10

FED. FROM:	PANEL TAG:	BLDG #:	ROOM #:	BREAKER SIZE	FEEDER SIZE:
	EXISTING PP-GP	143	B013	200A/30	4 #4/0 AWG + #4 AWG IN 2"C

143-NRP-01-02-BB.xlsx

2 E031 PANEL 143-NRP-01-02-BB SCHEDULE
SCALE: NTS

BLDG #: 143 PANEL TAG: 143-NRP-01-02-BD DATE MODIFIED: 2025-02-13

CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND	DESCRIPTION (Item, Room Number(s)):	BKR (A)	CT	CT	BKR (A)	DESCRIPTION (Item, Room Number(s)):	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND
		0	SPARE	15	1 A	2		SPACE			0
		0	SPARE	15	3 B	4		SPACE			0
		0	SPARE	15	5 C	6		SPACE			0
		0	SPACE		7 A	8		SPACE			0
		0	SPACE		9 B	10		SPACE			0
		0	SPACE		11 C	12		SPACE			0
		0	SPACE		13 A	14		SPACE			0
		0	SPACE		15 B	16		SPACE			0
		0	SPACE		17 C	18		SPACE			0
		0	SPACE		19 A	20		SPACE			0
		0	SPACE		21 B	22		SPACE			0
		0	SPACE		23 C	24		SPACE			0
		0	SPACE		25 A	26		SPACE			0
		0	SPACE		27 B	28		SPACE			0
		0	SPACE		29 C	30		SPACE			0
		0	SPACE		31 A	32		SPACE			0
		0	SPACE		33 B	34		SPACE			0
		0	SPACE		35 C	36		SPACE			0
		0	SPACE		37 A	38		SPACE			0
		0	SPACE		39 B	40		SPACE			0
			SPACE		41 C	42		SPACE			0

BLDG: 143 FLOOR: 1 ROOM: 126 NEW TAG: N/A

RATINGS: 225A 120/208V 3 PHASE 4 WIRE S.C.: 10

FED. FROM:	PANEL TAG:	BLDG #:	ROOM #:	BREAKER SIZE	FEEDER SIZE:
	EXISTING PP-GP	143	GF ATRIUM	200A/3P	4#0 AWG + #6 AWG IN 1-1/4"C

NOTE: PROVIDE LOCKABLE ENCLOSURE FOR PANEL 143-NRP-01-02-BD

143-NRP-01-02-BD.xlsx

3 E031 PANEL 143-NRP-01-02-BD SCHEDULE
SCALE: NTS

BLDG #: 143 PANEL TAG: 143-NRP-03-02-BB DATE MODIFIED: 2025-02-13

CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND	DESCRIPTION (Item, Room Number(s)):	BKR (A)	CT	CT	BKR (A)	DESCRIPTION (Item, Room Number(s)):	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND
300	0.60	180	RECEPT., 360	15	1 A	2	20	RECEPT., 367	150.00	0.60	90
300	0.60	180	RECEPT., 360	15	3 B	4	20	RECEPT., 367	150.00	0.60	90
600	0.60	360	RECEPT., 363	15	5 C	6	20	RECEPT., 367	150.00	0.60	90
300	0.60	180	RECEPT., 363	15	7 A	8	15	SPACE			0
300	0.60	180	RECEPT., 365, 367	15	9 B	10	20	RECEPT., 369	150.00	0.60	90
450	0.60	270	RECEPT., 365K, 379	15	11 C	12	20	RECEPT., 369	150.00	0.60	90
450	0.60	270	RECEPT., 369, 370K	15	13 A	14	15	RECEPT., 369	150.00	0.60	90
600	0.60	360	RECEPT., 379	15	15 B	16	20	RECEPT., 369	150.00	0.60	90
150	0.60	90	RECEPT., 371	15	17 C	18	20	RECEPT., 369	150.00	0.60	90
600	0.60	360	RECEPT., 377	15	19 A	20	20	RECEPT., 369	150.00	0.60	90
600	0.60	360	RECEPT., 379	15	21 B	22	15	RECEPT., 381, 383, 385	450	0.60	270
450	0.60	270	RECEPT., 381	15	23 C	24	15	RECEPT., 387, 389	300	0.60	180
300	0.60	180	RECEPT., 381, 383	15	25 A	26	15	RECEPT., 388, 389	300	0.60	180
450	0.60	270	RECEPT., 383	15	27 B	28	15	RECEPT., 388	450	0.60	270
450	0.60	270	RECEPT., 385	15	29 C	30	15	RECEPT., 386, 388	300	0.60	180
300	0.60	180	RECEPT., 385, 387	15	31 A	32	15	RECEPT., 386	450	0.60	270
450	0.60	270	RECEPT., 387	15	33 B	34	15	RECEPT., 384, 386	300	0.60	180
450	0.60	270	RECEPT., 364	15	35 C	36	15	RECEPT., 384	450	0.60	270

BLDG: 132 FLOOR: 3 ROOM: 359A NEW TAG: N/A

RATINGS: 125 A 120/208V 3 PHASE 4 WIRE S.C.: 10

FED FROM:	PANEL TAG:	BLDG #:	ROOM #:	BREAKER SIZE	FEEDER SIZE:
	143-NDP-02-02-BC	143	274	125A/3P	4 #1 AWG + # 6 AWG IN 2"C

143-NRP-03-02-BB.xlsx

CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND (W)	DESCRIPTION:	BKR (A)	CT	CT	BKR (A)	DESCRIPTION:	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND (W)
300	0.60	180	RECEPT., 364, 366	15	37 A	38	15	RECEPT., 380, 382, 384	450	0.60	270
300	0.60	180	RECEPT., 364, 366	15	39 B	40	15	RECEPT., 382	150	0.60	90
450	0.60	270	RECEPT., 366	15	41 C	42	15	RECEPT., 378, 380, 382	450	0.60	270
450	0.60	270	RECEPT., 368	15	43 A	44	15	RECEPT., 380	450	0.60	270
300	0.60	180	RECEPT., 368, 370	15	45 B	46	15	RECEPT., 376, 378, 380	450	0.60	270
300	0.60	180	RECEPT., 368, 370	15	47 C	48	15	RECEPT., 378	450	0.60	270
450	0.60	270	RECEPT., 370	15	49 A	50	15	RECEPT., 376, 378	300	0.60	180
150	0.60	90	RECEPT., 372	15	51 B	52	15	RECEPT., 376, 378	450	0.60	270
600	0.60	360	RECEPT., 374	15	53 C	54	15	ADO 270K	200	0.60	120
150	0.60	90	RECEPT., 362	15	55 A	56	15	HEAT TRACE, 360V	100	0.60	60
		0	SPARE	15	57 B	58		SPACE			0
		0	SPARE	15	59 C	60		SPACE			0
		0	SPARE	15	61 A	62		SPACE			0
		0	SPARE	15	63 B	64		SPACE			0
		0	SPARE	15	65 C	66		SPACE			0
		0	SPARE	15	67 A	68		SPACE			0
		0	SPARE	15	69 B	70		SPACE			0
		0	SPARE	15	71 C	72		SPACE			0

143-NRP-03-02-BB.xlsx

7 E031 PANEL 143-NRP-03-02-BB SCHEDULE
SCALE: NTS

BLDG #: 143 PANEL TAG: 143-NRP-02-02-BB DATE MODIFIED: 2025-02-13

CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND	DESCRIPTION (Item, Room Number(s)):	BKR (A)	CT	CT	BKR (A)	DESCRIPTION (Item, Room Number(s)):	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND
150	0.60	90	RECEPT., 280	15	1 A	2	15	RECEPT., 271	300	0.60	180
150	0.60	90	RECEPT., 280	20	3 B	4	15	RECEPT., 271	300	0.60	180
150	0.60	90	RECEPT., 280	20	5 C	6	15	RECEPT., 267, 269	300	0.60	180
150	0.60	90	RECEPT., 280	15	7 A	8	15	RECEPT., 269	450	0.60	270
150	0.60	90	RECEPT., 280	15	9 B	10	15	RECEPT., 267	450	0.60	270
450	0.60	270	RECEPT., 280	15	11 C	12	15	RECEPT., 261, 263, 265	450	0.60	270
300	0.60	180	RECEPT., 280	15	13 A	14	15	RECEPT., 265	450	0.60	270
300	0.60	180	RECEPT., 280	15	15 B	16	15	RECEPT., 263	450	0.60	270
300	0.60	180	RECEPT., 245K, 277K	15	17 C	18	15	RECEPT., 261	450	0.60	270
150	0.60	90	RECEPT., 274	15	19 A	20	15	RECEPT., 255, 257, 259	450	0.60	270
450	0.60	270	RECEPT., 277	20	21 B	22	15	RECEPT., 259	450	0.60	270
450	0.60	270	RECEPT., 277	20	23 C	24	15	RECEPT., 257	450	0.60	270
		0	SPARE	15	25 A	26	15	RECEPT., 255, 257, 259	450	0.60	270
600	0.60	360	RECEPT., 273	15	27 B	28	15	RECEPT., 253	450	0.60	270
300	0.60	180	RECEPT., 273	15	29 C	30	15	RECEPT., 253	600	0.60	360
450	0.60	270	RECEPT., 272	15	31 A	32	15	RECEPT., 251	150	0.60	90
300	0.60	180	RECEPT., 270, 272	15	33 B	34	15	RECEPT., 249	450	0.60	270
300	0.60	180	RECEPT., 270	15	35 C	36	15	RECEPT., 247, 249	300	0.60	180
450	0.60	270	RECEPT., 268, 270, 272	15	37 A	38	15	RECEPT., 247	450	0.60	270
300	0.60	180	RECEPT., 266, 268	15	39 B	40	15	RECEPT., 245	450	0.60	270
450	0.60	270	RECEPT., 268	15	41 C	42	15	RECEPT., 243, 245	300	0.60	180

BLDG: 143 FLOOR: 2 ROOM: 276 NEW TAG: N/A

RATINGS: 125 A 120/208V 3 PHASE 4 WIRE S.C.: 10

FED. FROM:	PANEL TAG:	BLDG #:	ROOM #:	BREAKER SIZE	FEEDER SIZE:
	143-NDP-02-02-BA	143	2274	125A/3P	4 #1 AWG + #6 AWG IN 2"C

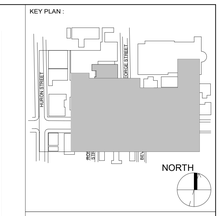
143-NRP-02-02-BB.xlsx

CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND (W)	DESCRIPTION:	BKR (A)	CT	CT	BKR (A)	DESCRIPTION:	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND (W)
450	0.60	270	RECEPT., 266	15	43 A	44	15	RECEPT., 243	450	0.60	270
450	0.60	270	RECEPT., 262, 264, 266	15	45 B	46	15	RECEPT., 241	450	0.60	270
450	0.60	270	RECEPT., 264	15	47 C	48	15	RECEPT., 240	300	0.60	180
450	0.60	270	RECEPT., 262	15	49 A	50	15	RECEPT., 240	300	0.60	180
450	0.60	270	RECEPT., 258	15	51 B	52	15	RECEPT., 240	450	0.60	270
300	0.60	180	RECEPT., 258	15	53 C	54	15	RECEPT., 242	300	0.60	180
450	0.60	270	RECEPT., 248	15	55 A	56	15	RECEPT., 242	300	0.60	180
450	0.60	270	RECEPT., 244, 246, 248	15	57 B	58	15	RECEPT., 242	300	0.60	180
450	0.60	270	RECEPT., 246	15	59 C	60	15	RECEPT., 242	300	0.60	180
450	0.60	270	RECEPT., 244	15	61 A	62	15	RECEPT., 250	150	0.60	90
450	0.60	270	RECEPT., 245K	15	63 B	64	15	ADO., 251	100	0.60	60
		0	SPARE	15	65 C	66		SPACE			0
		0	SPARE	15	67 A	68		SPACE			0
		0	SPARE	15	69 B	70		SPACE			0
		0	SPARE	15	71 C	72		SPACE			0
		0	SPARE	15	73 A	74		SPACE			0
		0	SPARE	15	75 B	76		SPACE			0
		0	SPARE	15	77 C	78		SPACE			0
		0	SPARE	15	79 A	80		SPACE			0
		0	SPARE	15	81 B	82		SPACE			0
		0	SPARE	15	83 C	84		SPACE			0

143-NRP-02-02-BB.xlsx

5 E031 PANEL 143-NRP-02-02-BB SCHEDULE
SCALE: NTS

KEY PLAN :



REVISION

NO.	DATE	DESCRIPTION
1	2024-10-04	ISSUED FOR 50%
2	2024-11-15	PERMIT
3	2024-12-04	ISSUED FOR F&S REVIEW
4	2024-12-23	ISSUED FOR F&S REVIEW
5	2025-01-24	ISSUED FOR PEER REVIEW
6	2025-01-31	ISSUED FOR BID
7	2025-03-07	BID ADDENDUM #01

Smith + Andersen
1100 - 100 Sheppard Ave East, Toronto ON, M2N 6N5
t 416 487 8151 smithandandersen.com

ENFORM architects
ENFORM Architects Inc.
128A Sterling Road, Suite 302B
Toronto, Ontario, Canada M6R 2B7
t: 647-948-7523
www.enformarchitects.com

SEAL :

OWNER:

UNIVERSITY OF TORONTO

PROJECT :
HEALTH AND WELLNESS CENTRE RENOVATION AT KOFFLER

214 COLLEGE ST,
TORONTO, ON M5T 3A1

SHEET CONTENTS :
PANEL SCHEDULE

PROJECT NUMBER :
21590.003

DRAWING SCALE :

DRAWN BY : Author | CHECKED BY : Checker | DATE: Issue Date

SHEET NO : **E031** | REV : **7**

BLDG #: 143 PANEL TAG: 143-NLP-03-02-BA — UNIVERSITY OF TORONTO — DATE MODIFIED: 2025-02-13

CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND	DESCRIPTION (Item, Room Number[s]):	BKR (A)	CT	CT	BKR (A)	DESCRIPTION (Item, Room Number[s]):	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND
110	0.60	66	LIGHTING, 320K, 325V	15	1 A	2		SPACE			0
336	0.60	201.6	LIGHTING, 320, 322, 324	15	3 B	4		SPACE			0
462	0.60	277.2	LIGHTING, 304, 306, 307	15	5 C	6		SPACE			0
424	0.60	254.4	LIGHTING, 323	15	7 A	8		SPACE			0
689	0.60	413.4	LIGHTING, 321	15	9 B	10		SPACE			0
		0	SPARE	15	11 C	12		SPACE			0
		0	SPARE	15	13 A	14		SPACE			0
		0	SPARE	15	15 B	16		SPACE			0
		0	SPARE	15	17 C	18		SPACE			0
		0	SPARE	15	19 A	20		SPACE			0
		0	SPARE	15	21 B	22		SPACE			0
		0	SPARE	15	23 C	24		SPACE			0
		0	SPARE	15	25 A	26		SPACE			0
		0	SPARE	15	27 B	28		SPACE			0
		0	SPARE	15	29 C	30		SPACE			0
		0	SPARE	15	31 A	32		SPACE			0
		0	SPARE	15	33 B	34		SPACE			0
		0	SPARE	15	35 C	36		SPACE			0
		0	SPARE	15	37 A	38		SPACE			0
		0	SPARE	15	39 B	40		SPACE			0
		0	SPARE	15	41 C	42		SPACE			0

BLDG: 143 FLOOR: 3 ROOM: 325 NEW TAG: N/A

RATINGS:	100A	120/208V	3 PHASE	4 WIRE	S.C.:	10

FED. FROM:	PANEL TAG:	BLDG #:	ROOM #:	BREAKER SIZE	FEEDER SIZE:
	143-NDP-03-02-BA	143	325	100A/3P	100A/3P

143-NLP-03-02-BA.xlsx

7 PANEL 143-NLP-03-02-BA SCHEDULE
E031 SCALE: NTS

BLDG #: 143 PANEL TAG: 143-NLP-03-02-BB — UNIVERSITY OF TORONTO — DATE MODIFIED: 2025-02-13

CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND	DESCRIPTION (Item, Room Number[s]):	BKR (A)	CT	CT	BKR (A)	DESCRIPTION (Item, Room Number[s]):	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND
624	1.00	624	LIGHTING 350, 360V, 365K	15	1 A	2		SPACE			0
450	1.00	450	LIGHTING, 364,366,368,370	15	3 B	4		SPACE			0
542	1.00	542	LIGHTING, 374, 376, 378, 380, 382	15	5 C	6		SPACE			0
		0	SPARE	15	7 A	8		SPACE			0
		0	SPARE	15	9 B	10		SPACE			0
		0	SPARE	15	11 C	12		SPACE			0
		0	SPARE	15	13 A	14		SPACE			0
		0	SPARE	15	15 B	16		SPACE			0
		0	SPARE	15	17 C	18		SPACE			0
		0	SPARE	15	19 A	20		SPACE			0
		0	SPARE	15	21 B	22		SPACE			0
		0	SPARE	15	23 C	24		SPACE			0
		0	SPARE	15	25 A	26		SPACE			0
		0	SPARE	15	27 B	28		SPACE			0
		0	SPARE	15	29 C	30		SPACE			0
		0	SPARE	15	31 A	32		SPACE			0
		0	SPARE	15	33 B	34		SPACE			0
		0	SPARE	15	35 C	36		SPACE			0
		0	SPARE	15	37 A	38		SPACE			0
		0	SPARE	15	39 B	40		SPACE			0
		0	SPARE	15	41 C	42		SPACE			0

BLDG: 143 FLOOR: 3 ROOM: 359A NEW TAG: N/A

RATINGS:	100A	120/208V	3 PHASE	4 WIRE	S.C.:	10

FED. FROM:	PANEL TAG:	BLDG #:	ROOM #:	BREAKER SIZE	FEEDER SIZE:
	143-NDP-02-02-BB	143	274	100A/3P	4 #3 AWG + #6 AWG IN 1-1/2"C

143-NLP-03-02-BB.xlsx

8 PANEL 143-NLP-03-02-BB SCHEDULE
E031 SCALE: NTS

BLDG #: 143 PANEL TAG: 143-NLP-03-02-BC — UNIVERSITY OF TORONTO — DATE MODIFIED: 2025-02-13

CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND	DESCRIPTION (Item, Room Number[s]):	BKR (A)	CT	CT	BKR (A)	DESCRIPTION (Item, Room Number[s]):	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND
667	1.00	667	LIGHTING, 398, 399, 399C,	15	1 A	2		SPACE			0
882	1.00	882	LIGHTING, 379, 381, 383, 385, 387, 389, 391, 393, 395	15	3 B	4		SPACE			0
1000	1.00	1000	LIGHTING, 370K, 377	15	5 C	6		SPACE			0
640	1.00	640	LIGHTING, 384, 386, 388, 390, 392, 394	15	7 A	8		SPACE			0
		0	SPARE	15	9 B	10		SPACE			0
		0	SPARE	15	11 C	12		SPACE			0
		0	SPARE	15	13 A	14		SPACE			0
		0	SPARE	15	15 B	16		SPACE			0
		0	SPARE	15	17 C	18		SPACE			0
		0	SPARE	15	19 A	20		SPACE			0
		0	SPARE	15	21 B	22		SPACE			0
		0	SPARE	15	23 C	24		SPACE			0
		0	SPARE	15	25 A	26		SPACE			0
		0	SPARE	15	27 B	28		SPACE			0
		0	SPARE	15	29 C	30		SPACE			0
		0	SPARE	15	31 A	32		SPACE			0
		0	SPARE	15	33 B	34		SPACE			0
		0	SPARE	15	35 C	36		SPACE			0
		0	SPARE	15	37 A	38		SPACE			0
		0	SPARE	15	39 B	40		SPACE			0
		0	SPARE	15	41 C	42		SPACE			0

BLDG: 143 FLOOR: 3 ROOM: 399D NEW TAG: N/A

RATINGS:	100A	120/208V	3 PHASE	4 WIRE	S.C.:	10

FED. FROM:	PANEL TAG:	BLDG #:	ROOM #:	BREAKER SIZE	FEEDER SIZE:
	143-NDP-02-02-BB	143	274	100A/3P	4 #3 AWG + #6 AWG IN 1-1/2"C

143-NLP-03-02-BC.xlsx

9 PANEL 143-NLP-03-02-BC SCHEDULE
E031 SCALE: NTS

BLDG #: 143 PANEL TAG: 143-NLP-01-02-BA — UNIVERSITY OF TORONTO — DATE MODIFIED: 2025-02-13

CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND	DESCRIPTION (Item, Room Number[s]):	BKR (A)	CT	CT	BKR (A)	DESCRIPTION (Item, Room Number[s]):	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND
440	0.60	264	LIGHTING, 112, 114	15	1 A	2		SPACE			0
645	0.60	387	LIGHTING, 106, 115K, 115V, 120V, 120S, 122V	15	3 B	4		SPACE			0
730	0.60	438	LIGHTING, 107A, 107	15	5 C	6		SPACE			0
281.4	0.60	0	LIGHTING, OUTDOORS	15	7 A	8		SPACE			0
		0	SPARE	15	9 B	10		SPACE			0
		0	SPARE	15	11 C	12		SPACE			0
		0	SPARE	15	13 A	14		SPACE			0
		0	SPARE	15	15 B	16		SPACE			0
		0	SPARE	15	17 C	18		SPACE			0
		0	SPARE	15	19 A	20		SPACE			0
		0	SPARE	15	21 B	22		SPACE			0
		0	SPARE	15	23 C	24		SPACE			0
		0	SPARE	15	25 A	26		SPACE			0
		0	SPARE	15	27 B	28		SPACE			0
		0	SPARE	15	29 C	30		SPACE			0
		0	SPARE	15	31 A	32		SPACE			0
		0	SPARE	15	33 B	34		SPACE			0
		0	SPARE	15	35 C	36		SPACE			0
		0	SPARE	15	37 A	38		SPACE			0
		0	SPARE	15	39 B	40		SPACE			0
		0	SPARE	15	41 C	42		SPACE			0

BLDG: 143 FLOOR: 1 ROOM: 107B NEW TAG: N/A

RATINGS:	100A	120/208V	3 PHASE	4 WIRE	S.C.:	10

FED. FROM:	PANEL TAG:	BLDG #:	ROOM #:	BREAKER SIZE	FEEDER SIZE:
	EXISTING PP-GP	143	B013	100/3P	4 #2 AWG + #6 AWG IN 1-1/2"C

143-NLP-01-02-BA.xlsx

3 PANEL 143-NLP-01-02-BA SCHEDULE
E031 SCALE: NTS

BLDG #: 143 PANEL TAG: 143-NLP-01-02-BB — UNIVERSITY OF TORONTO — DATE MODIFIED: 2025-02-13

CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND	DESCRIPTION (Item, Room Number[s]):	BKR (A)	CT	CT	BKR (A)	DESCRIPTION (Item, Room Number[s]):	CONNECTED LOAD (W)	DEMAND FACTOR
530	0.60	318	LIGHTING, 125	15	1 A	2		SPACE		
424	0.60	254.4	LIGHTING, 124, 125	15	3 B	4		SPACE		
148	0.60	88.8	LIGHTING, 113, 115, 119	15	5 C	6		SPACE		
		0	SPARE	15	7 A	8		SPACE		
		0	SPARE	15	9 B	10		SPACE		
		0	SPARE	15	11 C	12		SPACE		
		0	SPARE	15	13 A	14		SPACE		
		0	SPARE	15	15 B	16		SPACE		
		0	SPARE	15	17 C	18		SPACE		
		0	SPARE	15	19 A	20		SPACE		
		0	SPARE	15	21 B	22		SPACE		
		0	SPARE	15	23 C	24		SPACE		
		0	SPARE	15	25 A	26		SPACE		
		0	SPARE	15	27 B	28		SPACE		
		0	SPARE	15	29 C	30		SPACE		
		0	SPARE	15	31 A	32		SPACE		
		0	SPARE	15	33 B	34		SPACE		
		0	SPARE	15	35 C	36		SPACE		
		0	SPARE	15	37 A	38		SPACE		
		0	SPARE	15	39 B	40		SPACE		
		0	SPARE	15	41 C	42		SPACE		

BLDG: 143 FLOOR: 1 ROOM: 126B NEW TAG: N/A

RATINGS:	100A	120/208V	3 PHASE	4 WIRE	S.C.:	10

FED. FROM:	PANEL TAG:	BLDG #:	ROOM #:	BREAKER SIZE	FEEDER SIZE:
	EXISTING PP-GP	143	B013	100A/3P	4 #2 AWG + #6 AWG IN 1-1/2"C

143-NLP-01-02-BB.xlsx

4 PANEL 143-NLP-01-02-BB SCHEDULE
E031 SCALE: NTS

BLDG #: 143 PANEL TAG: 143-NLP-02-02-BA — UNIVERSITY OF TORONTO — DATE MODIFIED: 2025-02-13

CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND	DESCRIPTION (Item, Room Number[s]):	BKR (A)	CT	CT	BKR (A)	DESCRIPTION (Item, Room Number[s]):	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND
73	1.00	73	LIGHTING., 231	15	1 A	2		SPACE			0
114	1.00	114	LIGHTING., 236	15	3 B	4		SPACE			0
1173	1.00	1173	LIGHTING., 237	15	5 C	6		SPACE			0
		0	SPARE	15	7 A	8		SPACE			0
		0	SPARE	15	9 B	10		SPACE			0
		0	SPARE	15	11 C	12		SPACE			0
		0	SPARE	15	13 A	14		SPACE			0
		0	SPARE	15	15 B	16		SPACE			0
		0	SPARE	15	17 C	18		SPACE			0
		0	SPARE	15	19 A	20		SPACE			0
		0	SPARE	15	21 B	22		SPACE			0
		0	SPARE	15	23 C	24		SPACE			0
		0	SPARE	15	25 A	26		SPACE			0
		0	SPARE	15	27 B	28		SPACE			0
		0	SPARE	15	29 C	30		SPACE			0
		0	SPARE	15	31 A	32		SPACE			0
		0	SPARE	15	33 B	34		SPACE			0
		0	SPARE	15	35 C	36		SPACE			0
		0	SPARE	15	37 A	38		SPACE			0
		0	SPARE	15	39 B	40		SPACE			0
		0	SPARE	15	41 C	42		SPACE			0

BLDG: 143 FLOOR: 2 ROOM: 231B NEW TAG: N/A

RATINGS:	100A	120/208V	3 PHASE	4 WIRE	S.C.:	10

FED. FROM:	PANEL TAG:	BLDG #:	ROOM #:	BREAKER SIZE	FEEDER SIZE:
	143-NDP-02-02-BB	143	274	100A/3P	4 #3 AWG + #6 AWG IN 1-1/2"C

143-NLP-02-02-BA.xlsx

5 PANEL 143-NLP-02-02-BA SCHEDULE
E031 SCALE: NTS

BLDG #: 143 PANEL TAG: 143-NLP-02-02-BB — UNIVERSITY OF TORONTO — DATE MODIFIED: 2025-02-13

CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND	DESCRIPTION (Item, Room Number[s]):	BKR (A)	CT	CT	BKR (A)	DESCRIPTION (Item, Room Number[s]):	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND
739	1.00	739	LIGHTING.,240,245a,254	15	1 A	2		SPACE			0
912	1.00	912	LIGHTING., 241,242,243,244,245,246,247,248	15	3 B	4		SPACE			0
625	1.00	625	LIGHTING., 249,253,255,257,259	15	5 C	6		SPACE			0
831	1.00	831	LIGHTING., 258,262,264,266,268,270,272	15	7 A	8		SPACE			0
132	1.00	132	LIGHTING., ,245K	15	9 B	10		SPACE			0
876	1.00	876	LIGHTING., 261,263,265,267,269,271,273	15	11 C	12		SPACE			0
576	1.00	576	LIGHTING.,277k,280	15	13 A	14		SPACE			0
		0	SPARE	15	15 B	16		SPACE			0
		0	SPARE	15	17 C	18		SPACE			0
		0	SPARE	15	19 A	20		SPACE			0
		0	SPARE	15	21 B	22		SPACE			0
		0	SPARE	15	23 C	24		SPACE			0
		0	SPARE	15	25 A	26		SPACE			0
		0	SPARE	15	27 B	28		SPACE			0
		0	SPARE	15	29 C	30		SPACE			0
		0	SPARE	15	31 A	32		SPACE			0
		0	SPARE	15	33 B	34		SPACE			0
		0	SPARE	15	35 C	36		SPACE			0
		0	SPARE	15	37 A	38		SPACE			0
		0	SPARE	15	39 B	40		SPACE			0
		0	SPARE	15	41 C	42		SPACE			0

BLDG: 143 FLOOR: 2 ROOM: 276 NEW TAG: N/A

RATINGS:	100A	120/208V	3 PHASE	4 WIRE	S.C.:	10

FED. FROM:	PANEL TAG:	BLDG #:	ROOM #:	BREAKER SIZE	FEEDER SIZE:
	143-NDP-02-02-BB	143	274	100A/3P	4 #3 AWG + #6 AWG IN 1-1/2"C

143-NLP-02-02-BB.xlsx

6 PANEL 143-NLP-02-02-BB SCHEDULE
E031 SCALE: NTS

BLDG #: 143 PANEL TAG: 143-NRP-03-02-BC — TORONTO — DATE MODIFIED: 2025-02-13

CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND	DESCRIPTION (Item, Room Number[s]):	BKR (A)	CT	CT	BKR (A)	DESCRIPTION (Item, Room Number[s]):	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND
300	0.60	180	RECEPT., 399A, 399B	15	1 A	2	15	ADO, 399A, 399B	200.00	0.60	120
150	0.60	90	RECEPT., 399	15	3 B	4	15	RECEPT., 399C	150.00	0.60	90
150	0.60	90	RECEPT., 398	15	5 C	6	15	SPARE			0
150	0.60	90	RECEPT., 398	15	7 A	8	15	RECEPT., 392, 294	300.00	0.60	180
150	0.60	90	RECEPT., 398	20	9 B	10	15	RECEPT., 394	450.00	0.60	270
150	0.60	90	RECEPT., 398	20	11 C	12	15	RECEPT., 394	150.00	0.60	90
150	0.60	90	RECEPT., 398	20	13 A	14	15	RECEPT., 394	150.00	0.60	90
150	0.60	90	RECEPT., 398	20	15 B	16	15	RECEPT., 392	450	0.60	270
150	0.60	90	RECEPT., 399D	15	17 C	18	15	RECEPT., 392	150	0.60	90
450	0.60	270	RECEPT., 399E	20	19 A	20	15	RECEPT., 390	450	0.60	270
450	0.60	270	RECEPT., 398	15	21 B	22	15	RECEPT., 390	150	0.60	90
450	0.60	270	RECEPT., 398	15	23 C	24	15	AV RECEPT., 399E	600	0.60	600
450	0.60	270	RECEPT., 395	15	25 A	26	15	AV RECEPT., 399E	600	0.60	600
300	0.60	180	RECEPT., 393, 395	15	27 B	28		SPACE			0
450	0.60	270	RECEPT., 391, 393, 395	15	29 C	30		SPACE			0
450	0.60	270	RECEPT., 393	15	31 A	32		SPACE			0
450	0.60	270	RECEPT., 391	15	33 B	34		SPACE			0
300	0.60	180	RECEPT., 389, 391	15	35 C	36		SPACE			0

BLDG: 143 FLOOR: 3 ROOM: 399D NEW TAG: N/A

RATINGS:	125A	120/208V	3 PHASE	4 WIRE	S.C.:	10

FED FROM:	PANEL TAG:	BLDG #:	ROOM #:	BREAKER SIZE	FEEDER SIZE:
	143-NDP-02-02-BC	143	274	125A/3P	4 #1 AWG + # 6 AWG IN 2"C

CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND (W)	DESCRIPTION:	BKR (A)	CT	CT	BKR (A)	DESCRIPTION:	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND (W)
450	0.60	270	RECEPT., 389	15	37 A	38		SPACE			0
450	0.60	270	RECEPT., 399E	20	39 B	40		SPACE			0
		0	SPARE	15	41 C	42		SPACE			0
		0	SPARE	15	43 A	44		SPACE			0
		0	SPARE	15	45 B	46		SPACE			0
		0	SPARE	15	47 C	48		SPACE			0
		0	SPARE	15	49 A	50		SPACE			0
		0	SPARE	15	51 B	52		SPACE			0
		0	SPARE	15	53 C	54		SPACE			0
		0	SPARE	15	55 A	56		SPACE			0
		0	SPARE	15	57 B	58		SPACE			0
		0	SPARE	15	59 C	60		SPACE			0
		0	SPARE	15	61 A	62		SPACE			0
		0	SPARE	15	63 B	64		SPACE			0
		0	SPARE	15	65 C	66		SPACE			0
		0	SPARE	15	67 A	68		SPACE			0
		0	SPARE	15	69 B	70		SPACE			0
		0	SPARE	15	71 C	72		SPACE			0

143-NRP-03-02-BC.xlsx

1 PANEL 143-NRP-03-02-BC SCHEDULE
E032 SCALE: NTS

BLDG #: 143 PANEL TAG: 143-NRP-03-02-BD — TORONTO — DATE MODIFIED: 2025-02-13

CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND	DESCRIPTION (Item, Room Number[s]):	BKR (A)	CT	CT	BKR (A)	DESCRIPTION (Item, Room Number[s]):	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND
300	0.60	180	RECEPT., 357	15	1 A	2	15	RECEPT., 357	450	0.60	270
150	0.60	90	RECEPT., 357	15	3 B	4	15	RECEPT., 357	450	0.60	270
300	0.60	180	RECEPT., 357	15	5 C	6	15	RECEPT., 353, 355	300	0.60	180
450	0.60	270	RECEPT., 355	15	7 A	8	15	RECEPT., 349, 351	300	0.60	180
450	0.60	270	RECEPT., 353	15	9 B	10	15	RECEPT., 345, 347	300	0.60	180
450	0.60	270	RECEPT., 351	15	11 C	12	15	RECEPT., 341, 343	300	0.60	180
450	0.60	270	RECEPT., 349	15	13 A	14	15	RECEPT., 340K	450	0.60	270
450	0.60	270	RECEPT., 347	15	15 B	16	15	RECEPT., 357K	300	0.60	180
450	0.60	270	RECEPT., 345	15	17 C	18	15	RECEPT., 305K	300	0.60	180
450	0.60	270	RECEPT., 343	15	19 A	20	15	RECEPT., 304, 306	300	0.60	180
450	0.60	270	RECEPT., 341	15	21 B	22	15	RECEPT., 304, 306	600	0.60	360
450	0.60	270	RECEPT., 340	15	23 C	24	15	RECEPT., 304	300	0.60	180
450	0.60	270	RECEPT., 342	15	25 A	26	15	RECEPT., 340, 342	300	0.60	180
600	0.60	360	RECEPT., 344	15	27 B	28	15	RECEPT., 346, 348	300	0.60	180
450	0.60	270	RECEPT., 346	15	29 C	30	15	RECEPT., 350	150	0.60	90
450	0.60	270	RECEPT., 348	15	31 A	32	15	RECEPT., 352	600	0.60	360
450	0.60	270	RECEPT., 350	15	33 B	34	15	RECEPT., 354, 356	300	0.60	180
450	0.60	270	RECEPT., 354	15	35 C	36	15	ADO, 303, 340K	200	0.60	120

BLDG: 143 FLOOR: 3 ROOM: 305 NEW TAG: N/A

RATINGS:	100A	120/208V	3 PHASE	4 WIRE	S.C.:	10

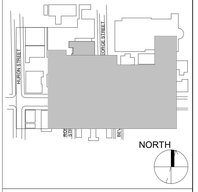
FED FROM:	PANEL TAG:	BLDG #:	ROOM #:	BREAKER SIZE	FEEDER SIZE:
	143-NDP-03-02--BA	143	325	100/3P	4 #3 AWG + #6 AWG IN 1-1/2"C

CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND (W)	DESCRIPTION:	BKR (A)	CT	CT	BKR (A)	DESCRIPTION:	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND (W)
450	0.60	270	RECEPT., 356	15	37 A	38	15	LIFT POWER, 307L	100	0.60	60
150	0.60	90	RECEPT., 358E	15	39 B	40		SPACE			0
150	0.60	90	RECEPT., ROOF TOP	20	41 C	42		SPACE			0
150	0.60	90	RECEPT., 307L	15, GFCI	43 A	44		SPACE			0
		0	SPARE	15	45 B	46		SPACE			0
		0	SPARE	15	47 C	48		SPACE			0
		0	SPARE	15	49 A	50		SPACE			0
		0	SPARE	15	51 B	52		SPACE			0
		0	SPARE	15	53 C	54		SPACE			0
		0	SPARE	15	55 A	56		SPACE			0
		0	SPARE	15	57 B	58		SPACE			0
		0	SPARE	15	59 C	60		SPACE			0
		0	SPARE	15	61 A	62		SPACE			0
		0	SPARE	15	63 B	64		SPACE			0
		0	SPARE	15	65 C	66		SPACE			0
		0	SPARE	15	67 A	68		SPACE			0
		0	SPARE	15	69 B	70		SPACE			0
		0	SPARE	15	71 C	72		SPACE			0

143-NRP-03-02-BD.xlsx

2 PANEL 143-NRP-03-02-BD SCHEDULE
E031 SCALE: NTS

KEY PLAN :



REVISION

NO.	DATE	DESCRIPTION
1	2024-10-04	ISSUED FOR 50%
2	2024-11-15	PERMIT
3	2024-12-04	ISSUED FOR F&S REVIEW
4	2024-12-23	ISSUED FOR F&S REVIEW
5	2025-01-24	ISSUED FOR PEER REVIEW
6	2025-01-31	ISSUED FOR BID
7	2025-03-07	BID ADDENDUM #01

Smith + Andersen
1100 - 100 Sheppard Ave East, Toronto ON, M2N 6N5
t 416 487 8151 smithandandersen.com

ENFORM architects
ENFORM Architects Inc.
120A Sterling Road, Suite 302B
Toronto, Ontario, Canada M6R 2B7
t: 647-948-7523
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SEAL :

OWNER:

UNIVERSITY OF TORONTO

PROJECT :

HEALTH AND WELLNESS CENTRE RENOVATION AT KOFFLER

214 COLLEGE ST,
TORONTO, ON M5T 3A1

SHEET CONTENTS :

PANEL SCHEDULE

PROJECT NUMBER :
21590.003

DRAWING SCALE :

DRAWN BY :	CHECKED BY :	DATE:
Author	Checker	Issue Date

SHEET NO : **E032**

REV : **7**

BLDG #: 143 PANEL TAG: 143-NPP-02-02-BA DATE MODIFIED: 2025-02-13

CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND	DESCRIPTION (Item, Room Number[s]):	BKR (A)	CT	CT	BKR (A)	DESCRIPTION (Item, Room Number[s]):	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND
		0	SPARE	15	1 A	2		SPACE			0
		0	SPARE	15	3 B	4		SPACE			0
410	0.60	246	A/C-2.2., 277	15	5 C	6		SPACE			0
410	0.60	246		2P	7 A	8		SPACE			0
300	0.60	180	VAV 2ND FLR	15	9 B	10		SPACE			0
450	0.60	270	VAV 2ND FLR	15	11 C	12		SPACE			0
300	0.60	180	VAV 2ND FLR	15	13 A	14		SPACE			0
300	0.60	180	EF-2.1	15	15 B	16		SPACE			0
100	1.00	100	BAS PANEL; 277	15	17 C	18		SPACE			0
		0	SPARE	15	19 A	20		SPACE			0
		0	SPARE	15	21 B	22		SPACE			0
		0	SPARE	15	23 C	24		SPACE			0
		0	SPARE	15	25 A	26		SPACE			0
		0	SPARE	15	27 B	28		SPACE			0
		0	SPARE	15	29 C	30		SPACE			0
		0	SPARE	15	31 A	32		SPACE			0
		0	SPARE	15	33 B	34		SPACE			0
		0	SPARE	15	35 C	36		SPACE			0
		0	SPARE	15	37 A	38		SPACE			0
		0	SPARE	15	39 B	40		SPACE			0
		0	SPARE	15	41 C	42		SPACE			0

BLDG: 143 FLOOR: 2 ROOM: 231B NEW TAG: N/A

RATINGS: 125A 120/208V 3 PHASE 4 WIRE S.C.: 10

FED. FROM:	PANEL TAG:	BLDG #:	ROOM #:	BREAKER SIZE	FEEDER SIZE:
	143-NDP-02-02-BA	143	278	125A/3P	4 #1 AWG + #6 AWG IN 2"C

143-NPP-02-02-BB.xlsx

7 E033 PANEL 143-NPP-02-02-BB
SCALE: NTS

BLDG #: 143 PANEL TAG: LP-EMB DATE MODIFIED: 2025-02-13

CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND	DESCRIPTION (Item, Room Number[s]):	BKR (A)	CT	CT	BKR (A)	DESCRIPTION (Item, Room Number[s]):	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND
	1.00	0	EXISTING FIRE ALARM CONTROL PANEL	15	1 A	2	15	EXISTING LTG. 3RD N.			0
	1.00	0	EXISTING FIRE ALARM CONTROL PANEL	15	3 B	4	15	EXISTING LTG. THEATRE			0
	1.00	0	EXISTING ELEV. PIT AT 1A03	15	5 C	6	15	EXISTING LTG. THEATRE			0
	1.00	0	EXISTING LTG. THEATRE LOBBY	15	7 A	8	15	EXISTING LTG. 3K14, 3K15			0
	1.00	0	EXISTING FLOURECENT ABOVE DOOR	15	9 B	10	15	EXISTING ELEV. CAB. LTG.			0
	1.00	0	EXISTING RM 202 STAIRS LIGHT	15	11 C	12	15	EXSTING LTG. 3K21, 3K22			0
	1.00	0	EXISTING LTG. 2A11	15	13 A	14	15	EXISTING LTG. BASE TUNNEL			0
27.5	1.00	27.5	EXIT SIGNS, 2ND FLR	15	15 B	16	15	EXISTING PANEL RECP AUG 2001			0
822	1.00	822	EM LIGHTING 231, 233, 235, 237, 237A, 237B, 237C	15	17 C	18	15	EXISTING FRIDGE RM 245			0
186	1.00	186	EM LIGHTING, 237V	15	19 A	20	15	EXIT SIGNS, 3RD FLR	52.5	1.00	52.5
163	1.00	163	EM LIGHTING, 240, 240K, 242, 245K, 251	15	21 B	22	15	EM LIGHTING, 307, 320K, 321, 323, 325A, 325V, 327	477	1.00	477
216	1.00	216	EM LIGHTING, 245K, 274, 277K, 280	15	23 C	24	15	EM LIGHTING, 301V, 305K, 340K, 344, 352, 357, 357K, 357S, 357V, 358, 360V	344	1.00	344
150	1.00	150	LAN RECEPT., 238	30	25 A	26	15	EM LIGHTING, 360, 360V, 365K, 370K, 371, 372, 377, 397K, 398, 399, 399A, 399B	454	1.00	454
150	1.00	150	LAN RECEPT., 238	30	27 B	28	15	SECURITY PANEL, 233A	200	1.00	200
150	1.00	150	LAN RECEPT., 277	30	29 C	30	15	SECURITY PANEL, 277	200	1.00	200
150	1.00	150	LAN RECEPT., 277	30	31 A	32	15	SECURITY PANEL, 233A	200	1.00	200
150	1.00	150	LAN RECEPT., 399E	30	33 B	34	15	SECURITY PANEL, 325B	200	1.00	200
150	1.00	150	LAN RECEPT., 399E	30	35 C	36	15	SECURITY PANEL, 399E	200	1.00	200
150	1.00	150	LAN RECEPT., 325B	30	37 A	38	15	FIRE ALARM DGP; #372	500	0.80	400
150	1.00	150	LAN RECEPT., 325B	30	39 B	40		SPACE			0
		0	SPARE	15	41 C	42		SPACE			0

BLDG: 143 FLOOR: 3 ROOM: 350A NEW TAG: N/A

RATINGS: 100A 120/208V 3 PHASE 4 WIRE S.C.: 10

FED. FROM:	PANEL TAG:	BLDG #:	ROOM #:	BREAKER SIZE	FEEDER SIZE:
	PP-EM	143	360A	100	N/A

LP-EMB.xlsx

4 E033 PANEL LP-EMB
SCALE: NTS

BLDG #: 143 PANEL TAG: 143-NLP-03-02-BD DATE MODIFIED: 2025-02-13

CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND	DESCRIPTION (Item, Room Number[s]):	BKR (A)	CT	CT	BKR (A)	DESCRIPTION (Item, Room Number[s]):	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND
742	1.00	742	LIGHTING, 340,342,346,348,350,354,356	15	1 A	2		SPACE			0
110	1.00	110	LIGHTING, 301V, 305k	15	3 B	4		SPACE			0
848	1.00	848	LIGHTING, 341, 343, 345, 347, 349, 351, 353, 355	15	5 C	6		SPACE			0
176	0.60	105.6	LIGHTING, 340K,357,357K	15	7 A	8		SPACE			0
		0	SPARE	15	9 B	10		SPACE			0
		0	SPARE	15	11 C	12		SPACE			0
		0	SPARE	15	13 A	14		SPACE			0
		0	SPARE	15	15 B	16		SPACE			0
		0	SPARE	15	17 C	18		SPACE			0
		0	SPARE	15	19 A	20		SPACE			0
		0	SPARE	15	21 B	22		SPACE			0
		0	SPARE	15	23 C	24		SPACE			0
		0	SPARE	15	25 A	26		SPACE			0
		0	SPARE	15	27 B	28		SPACE			0
		0	SPARE	15	29 C	30		SPACE			0
		0	SPARE	15	31 A	32		SPACE			0
		0	SPARE	15	33 B	34		SPACE			0
		0	SPARE	15	35 C	36		SPACE			0
		0	SPARE	15	37 A	38		SPACE			0
		0	SPARE	15	39 B	40		SPACE			0
		0	SPARE	15	41 C	42		SPACE			0

BLDG: 143 FLOOR: 3 ROOM: 305 NEW TAG: N/A

RATINGS: 100A 120/208V 3 PHASE 4 WIRE S.C.: 10

FED. FROM:	PANEL TAG:	BLDG #:	ROOM #:	BREAKER SIZE	FEEDER SIZE:
	143-NDP-03-02-BA	143	325	100A/3P	4 #3 AWG + #6 AWG IN 1-1/2"C

143-NLP-03-02-BD.xlsx

1 E033 PANEL 143-NLP-03-02-BD SCHEDULE
SCALE: NTS

BLDG #: 143 PANEL TAG: 143-NPP-03-02-BB DATE MODIFIED: 2025-02-13

CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND	DESCRIPTION (Item, Room Number[s]):	BKR (A)	CT	CT	BKR (A)	DESCRIPTION (Item, Room Number[s]):	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND
100	0.60	60	CAB LIGHT AND FAN	15	1 A	2	15	EF-R.1., ROOF TOP	100	0.60	60
150	0.60	90	CAP AUX. EQUIPMENT. 358E	15	3 B	4	15	MOD., ROOF TOP	100	0.60	60
100	0.60	60	BP-1, 398	15	5 C	6	25	C/U-R.3, ROOF TOP	1372.80	0.60	823.68
65	0.65	100	EF-3.1, 399O	15	7 A	8	2P		1372.80	0.60	823.68
					9 B	10	25	C/U-R.3, ROOF TOP	1372.80	0.60	823.68
500	0.60	300	EBH-3.1, EBH-3.2, 399A, 399B	15	11 C	12	2P		1372.80	0.60	823.68
500	0.60	300		2P	13 A	14	20	GFC RECEPT., ROOF TOP	150.00	0.60	90
100	0.60	60	EF-3.1, 399O	15	15 B	16	15	SNOW MELT SENSOR, ROOF TOP	100.00	0.60	60
100	1.00	100	BAS PANEL; 277	20	17 C	18		EF-3.1,			0
		0	SPARE	15	19 A	20		SPACE			0
		0	SPARE	15	21 B	22		SPACE			0
		0	SPARE	15	23 C	24		SPACE			0
		0	SPARE	15	25 A	26		SPACE			0
		0	SPARE	15	27 B	28		SPACE			0
		0	SPARE	15	29 C	30		SPACE			0
		0	SPARE	15	31 A	32		SPACE			0
		0	SPARE	15	33 B	34		SPACE			0
		0	SPARE	15	35 C	36		SPACE			0
		0	SPARE	15	37 A	38		SPACE			0
		0	SPARE	15	39 B	40		SPACE			0
		0	SPARE	15	41 C	42		SPACE			0

BLDG: 143 FLOOR: 3 ROOM: 372 NEW TAG: N/A

RATINGS: 125A 120/208V 3 PHASE 4 WIRE S.C.: 10

FED. FROM:	PANEL TAG:	BLDG #:	ROOM #:	BREAKER SIZE	FEEDER SIZE:
	143-NDP-02-02-BC	143	274	125A/3P	4 #1 AWG + #6 AWG IN 2" C

143-NPP-03-02-BB.xlsx

8 E033 PANEL 143-NPP-03-02-BB
SCALE: NTS

BLDG #: 143 PANEL TAG: 143-NPP-01-02-BB DATE MODIFIED: 2025-02-13

CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND	DESCRIPTION (Item, Room Number[s]):	BKR (A)	CT	CT	BKR (A)	DESCRIPTION (Item, Room Number[s]):	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND
80	0.80	100	BAS PANEL; RM 122	20	1 A	2		SPACE			0
		0	SPARE	15	3 B	4		SPACE			0
1600	0.60	960		15	5 C	6		SPACE			0
1600	0.60	960	KEU-1.1., 126	↓	7 A	8		SPACE			0
1600	0.60	960		3P	9 B	10		SPACE			0
400	0.60	240	VAV 1ST FLR	15	11 C	12		SPACE			0
100	0.60	60	P-DHWR-B.1., B3	15	13 A	14		SPACE			0
400	0.60	240	P-B.1., B4	15	15 B	16		SPACE			0
500	0.60	300	HEAT TRACE., B4	15	17 C	18		SPACE			0
		0	SPARE	15	19 A	20		SPACE			0
		0	SPARE	15	21 B	22		SPACE			0
		0	SPARE	15	23 C	24		SPACE			0
		0	SPARE	15	25 A	26		SPACE			0
		0	SPARE	15	27 B	28		SPACE			0
		0	SPARE	15	29 C	30		SPACE			0
		0	SPARE	15	31 A	32		SPACE			0
		0	SPARE	15	33 B	34		SPACE			0
		0	SPARE	15	35 C	36		SPACE			0
		0	SPARE	15	37 A	38		SPACE			0
		0	SPARE	15	39 B	40		SPACE			0
		0	SPARE	15	41 C	42		SPACE			0

BLDG: 143 FLOOR: 1 ROOM: 126B NEW TAG: N/A

RATINGS: 125A 120/208V 3 PHASE 4 WIRE S.C.: 10

FED. FROM:	PANEL TAG:	BLDG #:	ROOM #:	BREAKER SIZE	FEEDER SIZE:
	EXISTING PP-GP	143	B013	100A/3P	4 #3 AWG + #6 AWG IN 1-1/2"C

143-NPP-01-02-BB.xlsx

5 E033 PANEL 143-NPP-01-02-BB
SCALE: NTS

BLDG #: 143 PANEL TAG: LP-EMA DATE MODIFIED: 2025-02-12

CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND	DESCRIPTION (Item, Room Number[s]):	BKR (A)	CT	CT	BKR (A)	DESCRIPTION (Item, Room Number[s]):	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND
		0	EXISTING LTG. BASE S. TUNNELL	15	1 A	2	15	EXISTING ELEV. CAB LTG. BA1V.			0
		0	EXISTING LTG. BASE S. TUNNELL	15	3 B	4	15	EXISTING ELEV. PIT LST FL. 1A16			0
		0	EXISTING EM LTG. BA17	15	5 C	6	15	EXISTING ELEV. CAB LTG. 1A09			0
27.5	1.00	27.5	EXIT SIGNS, 1ST FL.	15	7 A	8	15	EM LIGHTING, 106, 115K, 120V, 120S, 122V	220	1.00	220
		0	EXISTING L. DOCK HEAT TRACING	15	9 B	10	15	EXISTING SUMP PUMP			0
256	1.00	256	EM LIGHTING, 122, 125, 126A	15	11 C	12	15	SECURITY PANEL, 122	200.00	1.00	1
108	1.00	108	EM LIGHTING, 114, 118, 118A	15	13 A	14		SPACE			0
323	1.00	323	EM LIGHTING, 107, 107B, 115, 119	15	15 B	16		SPACE			0
	1.00	0	LAN RECEPT., 238	30	17 C	18		SPACE			0
	1.00	0	LAN RECEPT., 238	30	19 A	20		SPACE			0
		0	SPARE	15	21 B	22		SPACE			0
		0	SPARE	15	23 C	24		SPACE			0
		0	SPARE	15	25 A	26		SPACE			0
		0	SPARE	15	27 B	28		SPACE			0
		0	SPARE	15	29 C	30		SPACE			0

BLDG: 143 FLOOR: B ROOM: B013 NEW TAG: N/A

RATINGS: 100A 120/208V 3 PHASE 4 WIRE S.C.: 10

FED. FROM:	PANEL TAG:	BLDG #:	ROOM #:	BREAKER SIZE	FEEDER SIZE:
	EXISTING 15kVA TRANSFORMER	143	B013	N/A	N/A

LP-EMA.xlsx

2 E033 PANEL LP-EMA
SCALE: NTS

BLDG #: 143 PANEL TAG: 143-NPP-03-02-BD DATE MODIFIED: 2025-02-13

CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND	DESCRIPTION (Item, Room Number[s]):	BKR (A)	CT	CT	BKR (A)	DESCRIPTION (Item, Room Number[s]):	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND (W)
316	0.60	189.6	A/C-3.2, 325B	15	1 A	2	35	C/U-R.1., ROOF TOP	2500	0.60	1500
316	0.60	189.6		2P	3 B	4	2P		2500	0.60	1500
300	0.60	180	VAV, 307, 320K, 324	15	5 C	6	35	C/U-R.2., ROOF TOP	2500	0.60	1500
500	0.60	300	VAV, 305K, 344, 345, 347, 353, 356	15	7 A	8	2P		2500	0.60	1500
80	0.80	100	BAS PANEL; 325B	15	9 B	10	20	RECEPT., ROOF TOP	150.00	0.60	90
			SPARE	15	11 C	12	25	C/U-R.5., ROOF TOP	1372.80	0.60	823.68
100	0.60	60	CAB DUPLEX, 358E	15	13 A	14	2P		1372.80	0.60	823.68
100	0.60	60	CAB SECURITY, 358E	15	15 B	16	20	RECEPT., ROOF TOP	150.00	0.60	90
		0	SPARE	15	17 C	18		SPACE			0
		0	SPARE	15	19 A	20		SPACE			0
		0	SPARE	15	21 B	22		SPACE			0
		0	SPARE	15	23 C	24		SPACE			0
		0	SPARE	15	25 A	26		SPACE			0
		0	SPARE	15	27 B	28		SPACE			0
		0	SPARE	15	29 C	30		SPACE			0
		0	SPARE	15	31 A	32		SPACE			0
		0	SPARE	15	33 B	34		SPACE			0
		0	SPARE	15	35 C	36		SPACE			0
		0	SPARE	15	37 A	38		SPACE			0
		0	SPACE		39 B	40		SPACE			0
		0	SPACE		41 C	42		SPACE			0

BLDG: 143 FLOOR: 3 ROOM: 305 NEW TAG: N/A

RATINGS: 100A 120/208V / 3 PHASE 4 WIRE S.C.: 10

FED. FROM:	PANEL TAG:	BLDG #:	ROOM #:	BREAKER SIZE	FEEDER SIZE:
	143-NDP-003-02-BA	143	325	100A/3P	4 #3 AWG + #6 AWG IN 1-1/2"C

143-NPP-03-02-BD.xlsx

9 E033 PANEL 143-NPP-03-02-BD
SCALE: NTS

BLDG #: 143 PANEL TAG: 143-NPP-02-02-BA DATE MODIFIED: 2025-02-13

CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND	DESCRIPTION (Item, Room Number[s]):	BKR (A)	CT	CT	BKR (A)	DESCRIPTION (Item, Room Number[s]):	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND
410	0.60	246	A/C-2.1., 237	15	1 A	2		SPACE			0
410	0.60	246		2P	3 B	4		SPACE			0
300	0.60	180	VAV 2ND FLR	15	5 C	6		SPACE			0
300	0.60	180	VAV 2ND FLR	15	7 A	8		SPACE			0
80	0.80	100	BAS PANEL; 238	20	9 B	10		SPACE			0
		0	SPARE	15	11 C	12		SPACE			0
		0	SPARE	15	13 A	14		SPACE			0
		0	SPARE	15	15 B	16		SPACE			0
		0	SPARE	15	17 C	18		SPACE			0
		0	SPARE	15	19 A	20		SPACE			0
		0	SPARE	15	21 B	22		SPACE			0
		0	SPARE	15	23 C	24		SPACE			0
		0	SPARE	15	25 A	26		SPACE			0
		0	SPARE	15	27 B	28		SPACE			0
		0	SPARE	15	29 C	30		SPACE			0
		0	SPARE	15	31 A	32		SPACE			0
		0	SPARE	15	33 B	34		SPACE			0
		0	SPARE	15	35 C	36		SPACE			0
		0	SPARE	15	37 A	38		SPACE			0
		0	SPARE	15	39 B	40		SPACE			0
		0	SPARE	15	41 C	42		SPACE			0

BLDG: 143 FLOOR: 2 ROOM: 231B NEW TAG: N/A

RATINGS: 125A 120/208V 3 PHASE 4 WIRE S.C.: 10

FED. FROM:	PANEL TAG:	BLDG #:	ROOM #:	BREAKER SIZE	FEEDER SIZE:
	143-NDP-02-02-BA	143	278	125A/3P	4 #1 AWG + #6 AWG IN 2"C

143-NPP-02-02-BA.xlsx

6 E033 PANEL 143-NPP-02-02-BA
SCALE: NTS

BLDG #: 143 PANEL TAG: LP-BEMA DATE MODIFIED: 2025-02-12

CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND	DESCRIPTION (Item, Room Number[s]):	BKR (A)	CT	CT	BKR (A)	DESCRIPTION (Item, Room Number[s]):	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND
		0	EXISTING CLG. OUTLETS 2B10	15	1 A	2	15	EXISTING CLG. OUTLETS 2B12, 2B14			0
		0	EXISTING BACK ROOM LTG + PUGS	15	3 B	4	15	EXISTING CLG. OUTLETS 2B12, 2B14			0
		0	EXISTING LTG. 3B14	15	5 C	6	15	EXISTING CLG. OUTLETS 2B12, 2B14			0
		0	SPARE	15	7 A	8	15	EXISTING CLG. OUTLETS 2B12, 2B14			0
		0	SPARE	15	9 B	10	15	EXISTING CLG. OUTLETS 2B12, 2B14			0
		0	EXISTING CASH COMPUTER SERVER	15	11 C	12	15	EXISTING CLG. OUTLETS 2B12, 2B14			0
		0	EXISTING RECEIVING RECEPTACLES	15	13 A	14		SPACE			0
		0	EXISTING RECEIVING RECEPTACLES	15	15 B	16		SPACE			0
		0	EXISTING RECEIVING RECEPTACLES	15	17 C	18		SPACE			0
		0	EXISTING RECEIVING RECEPTACLES	15	19 A	20		SPACE			0
		0	EXISTING RECEIVING RECEPTACLES	15	21 B	22		SPACE			0
		0	SPACE		23 C	24		SPACE			0
		0	SPACE		25 A	26		SPACE			0
		0	SPACE		27 B	28		SPACE			0
		0	SPACE		29 C	30		SPACE			0

BLDG: 143 FLOOR: B ROOM: B013 NEW TAG: N/A

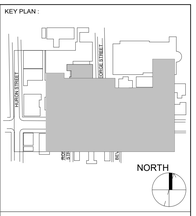
RATINGS: 100A 120/208V 3 PHASE 4 WIRE S.C.: 10

FED. FROM:	PANEL TAG:	BLDG #:	ROOM #:	BREAKER SIZE	FEEDER SIZE:
	EXISTING 15kVA TRANSFORMER	143	B013	N/A	N/A

LP-BEMA.xlsx

3 E033 PANEL LP-BEMA
SCALE: NTS

KEY PLAN :



REVISION

NO.	DATE	DESCRIPTION
1	2024-10-04	ISSUED FOR 50%
2	2024-11-15	PERMIT
3	2024-12-04	ISSUED FOR F&S REVIEW
4	2024-12-23	ISSUED FOR F&S REVIEW
5	2025-01-24	ISSUED FOR PEER REVIEW
6	2025-01-31	ISSUED FOR BID

Smith + Andersen
1100 - 100 Sheppard Ave East, Toronto ON, M2N 6N5
t 416 487 8151 smithandandersen.com

ENFORM architects
ENFORM Architects Inc.
128A Sterling Road, Suite 302B
Toronto, Ontario, Canada M6R 2B7
t: 647-948-7523
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SEAL :

OWNER:

UNIVERSITY OF TORONTO

PROJECT :
HEALTH AND WELLNESS CENTRE RENOVATION AT KOFFLER

214 COLLEGE ST,
TORONTO, ON M5T 3A1

SHEET CONTENTS :
PANEL SCHEDULE

PROJECT NUMBER :
21590.003

DRAWING SCALE :

DRAWN BY :	CHECKED BY :	DATE:
Author	Checker	Issue Date

SHEET NO : **E033**

REV : **6**

BLDG #: 143 PANEL TAG: 143-NDP-02-06-BA DATE MODIFIED: 2025-02-27

CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND	DESCRIPTION (Item, Room Number[s]):	BKR (A)	CT	CT	BKR (A)	DESCRIPTION (Item, Room Number[s]):	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND (W)
25000	100.00	2500000	TRANSFORMER 143-NTX-02-06-BA	90	1 A	2	20	SPACE			0
25000	100.00	2500000	↓	↓	3 B	4	↓				0
25000	100.00	2500000		3P	5 C	6	3P				0
25000	100.00	2500000	TRANSFORMER 143-NTX-02-06-BC	90	7 A	8	20	SPACE			0
25000	100.00	2500000	↓	↓	9 B	10	↓				0
25000	100.00	2500000		3P	11 C	12	3P				0
25000	100.00	2500000	TRANSFORMER 143-NTX-02-06-BB	90	13 A	14		SPACE			0
25000	100.00	2500000	↓	↓	15 B	16		SPACE			0
25000	100.00	2500000		3P	17 C	18		SPACE			0
2700	100.00	270000	TRANSFORMER 143-NTX-02-06-BB	20	19 A	20		SPACE			0
2700	100.00	270000	↓	↓	21 B	22		SPACE			0
2700	100.00	270000		3P	23 C	24		SPACE			0
		0	SPARE	90	25 A	26		SPACE			0
		0	↓	↓	27 B	28		SPACE			0
		0		3P	29 C	30		SPACE			0
		0	SPARE	90	31 A	32		SPACE			0
		0	↓	↓	33 B	34		SPACE			0
		0		3P	35 C	36		SPACE			0
		0	SPARE	90	37 A	38		SPACE			0
		0	↓	↓	39 B	40		SPACE			0
		0		3P	41 C	42		SPACE			0

BLDG: 143 FLOOR: 2 ROOM: 274 NEW TAG: N/A

RATINGS:	400A	600V	3 PHASE	3 WIRE	S.C.:	50

FED FROM:	PANEL TAG:	BLDG #:	ROOM #:	BREAKER SIZE	FEEDER SIZE:
	EXISTING PP-MD	143	B013	400A/3P	3 6000 KCMIL + #2 AWG IN 4"C

143-NDP-02-06-BA.xlsx

4 E034 PANEL 143-NDP-02-06-BA
SCALE: NTS

BLDG #: 143 PANEL TAG: 143-NDP-02-02-BA DATE MODIFIED: 2025-02-13

CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND	DESCRIPTION (Item, Room Number[s]):	BKR (A)	CT	CT	BKR (A)	DESCRIPTION (Item, Room Number[s]):	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND (W)
		0	PANEL 143-NRP-02-02-BA, 231B	125	1 A	2	125	ELEVATOR MOTOR			0
		0		↓	3 B	4	↓				0
		0		3P	5 C	6	3P				0
		0	PANEL 143-NRP-02-02-BC, 280	125	7 A	8		SPACE			0
		0		↓	9 B	10		SPACE			0
		0		3P	11 C	12		SPACE			0
		0	PANEL 143-NPP-02-02-BA, 231D	125	13 A	14		SPACE			0
		0		↓	15 B	16		SPACE			0
		0		3P	17 C	18		SPACE			0
		0	SPARE	125	19 A	20		SPACE			0
		0		↓	21 B	22		SPACE			0
		0		3P	23 C	24		SPACE			0
		0	SPARE	125	25 A	26		SPACE			0
		0		↓	27 B	28		SPACE			0
		0		3P	29 C	30		SPACE			0
		0	SPARE	125	31 A	32		SPACE			0
		0		↓	33 B	34		SPACE			0
		0		3P	35 C	36		SPACE			0
		0	SPARE	125	37 A	38		SPACE			0
		0		↓	39 B	40		SPACE			0
		0		3P	41 C	42		SPACE			0

BLDG: 143 FLOOR: 2 ROOM: 278 NEW TAG: N/A

RATINGS:	400A	120/208V	3 PHASE	4 WIRE	S.C.:	10

FED FROM:	PANEL TAG:	BLDG #:	ROOM #:	BREAKER SIZE	FEEDER SIZE:
	143-NTX-02-06-BA	143	278	N/A	4 300KCMIL + #4 AWG IN 3"C

143-NDP-02-02-BA.xlsx

1 E034 PANEL 143-NDP-02-02-BA SCHEDULE
SCALE: NTS

BLDG #: 143 PANEL TAG: 143-NDP-03-02-BA DATE MODIFIED: 2025-02-13

CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND	DESCRIPTION (Item, Room Number[s]):	BKR (A)	CT	CT	BKR (A)	DESCRIPTION (Item, Room Number[s]):	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND (W)
760	1.00	760	143-NPP-03-02-BD	100	1 A	2	100	SPARE			0
760	1.00	760		↓	3 B	4	↓				0
760	1.00	760		3P	5 C	6	3P				0
610	1.00	610	143-NRP-03-02-BA	100	7 A	8	100	SPARE			0
610	1.00	610		↓	9 B	10	↓				0
610	1.00	610		3P	11 C	12	3P				0
674	1.00	674	143-NLP-03-02-BA	100	13 A	14		SPACE			0
674	1.00	674		↓	15 B	16		SPACE			0
674	1.00	674		3P	17 C	18		SPACE			0
625	1.00	625	143-NLP-03-02-BD	100	19 A	20		SPACE			0
625	1.00	625		↓	21 B	22		SPACE			0
625	1.00	625		3P	23 C	24		SPACE			0
2970	1.00	2970	143-NRP-03-02-BD	100	25 A	26		SPACE			0
2970	1.00	2970		↓	27 B	28		SPACE			0
2970	1.00	2970		3P	29 C	30		SPACE			0
		0	SPARE	100	31 A	32		SPACE			0
		0		↓	33 B	34		SPACE			0
		0		3P	35 C	36		SPACE			0
		0	SPARE	100	37 A	38		SPACE			0
		0		↓	39 B	40		SPACE			0
		0		3P	41 C	42		SPACE			0

BLDG: 143 FLOOR: 3 ROOM: 325 NEW TAG: N/A

RATINGS:	225A	120/208V	3 PHASE	4 WIRE	S.C.:	10

FED FROM:	PANEL TAG:	BLDG #:	ROOM #:	BREAKER SIZE	FEEDER SIZE:
	EXISTING PP-GP	143	B013	200A/3P	4 #4/0 AWG + #4 AWG IN 3"C

143-NDP-03-02-BA.xlsx

5 E034 PANEL 143-NDP-03-02-BA
SCALE: NTS

BLDG #: 143 PANEL TAG: 143-NDP-02-02-BB DATE MODIFIED: 2025-02-13

CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND	DESCRIPTION (Item, Room Number[s]):	BKR (A)	CT	CT	BKR (A)	DESCRIPTION (Item, Room Number[s]):	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND (W)
453	1.00	453	PANEL 143-NLP-02-02-BA, 231B	100	1 A	2	100	PANEL 143-NLP-03-02-BB, 359A	540.00	1.00	540
453	1.00	453		↓	3 B	4	↓		540.00	1.00	540
453	1.00	453		3P	5 C	6	3P		540.00	1.00	540
1564	1.00	1564	PANEL 143-NLP-02-02-BB, 280	100	7 A	8	100	PANEL 143-NLP-03-02-BC, 399D	1063.00	1.00	1063
1564	1.00	1564		↓	9 B	10	↓		1063.00	1.00	1063
1564	1.00	1564		3P	11 C	12	3P		1063.00	1.00	1063
		0	SPARE	100	13 A	14		SPACE			0
		0		↓	15 B	16		SPACE			0
		0		3P	17 C	18		SPACE			0
		0	SPARE	100	19 A	20		SPACE			0
		0		↓	21 B	22		SPACE			0
		0		3P	23 C	24		SPACE			0
		0	SPARE	100	25 A	26		SPACE			0
		0		↓	27 B	28		SPACE			0
		0		3P	29 C	30		SPACE			0
		0	SPARE	100	31 A	32		SPACE			0
		0		↓	33 B	34		SPACE			0
		0		3P	35 C	36		SPACE			0
		0	SPARE	100	37 A	38		SPACE			0
		0		↓	39 B	40		SPACE			0
		0		3P	41 C	42		SPACE			0

BLDG: 143 FLOOR: 2 ROOM: 278 NEW TAG: 10

RATINGS:	400A	120/208V	3 PHASE	4 WIRE	S.C.:	10

FED FROM:	PANEL TAG:	BLDG #:	ROOM #:	BREAKER SIZE	FEEDER SIZE:
	143-NTX-02-06-BB	143	278	N/A	4 300KCMIL + #4 AWG IN 3"C

143-NDP-02-02-BB.xlsx

2 E034 PANEL 143-NDP-02-02-BB
SCALE: NTS

BLDG #: 143 PANEL TAG: 143-NDP-02-02-BC DATE MODIFIED: 2025-02-13

CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND (W)	DESCRIPTION (Item, Room Number[s]):	BKR (A)	CT	CT	BKR (A)	DESCRIPTION (Item, Room Number[s]):	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND (W)
3710	1.00	3710	PANEL 143-NRP-03-02-BB, 359A	125	1 A	2	125	SPARE			0
3710	1.00	3710		↓	3 B	4	↓				0
3710	1.00	3710		3P	5 C	6	3P				0
2150	1.00	2150	PANEL 143-NRP-03-02-BC, 399D	125	7 A	8		SPACE			0
2150	1.00	2150		↓	9 B	10		SPACE			0
2150	1.00	2150		3P	11 C	12		SPACE			0
1400	1.00	1400	PANEL 143-NPP-03-02-BB, 399D	125	13 A	14		SPACE			0
1400	1.00	1400		↓	15 B	16		SPACE			0
1400	1.00	1400		3P	17 C	18		SPACE			0
		0	SPARE	125	19 A	20		SPACE			0
		0		↓	21 B	22		SPACE			0
		0		3P	23 C	24		SPACE			0
		0	SPARE	125	25 A	26		SPACE			0
		0		↓	27 B	28		SPACE			0
		0		3P	29 C	30		SPACE			0
		0	SPARE	125	31 A	32		SPACE			0
		0		↓	33 B	34		SPACE			0
		0		3P	35 C	36		SPACE			0
		0	SPARE	125	37 A	38		SPACE			0
		0		↓	39 B	40		SPACE			0
		0		3P	41 C	42		SPACE			0

BLDG: 143 FLOOR: 2 ROOM: 274 NEW TAG: N/A

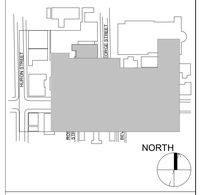
RATINGS:	400A	120/208V	3 PHASE	4 WIRE	S.C.:	10

FED FROM:	PANEL TAG:	BLDG #:	ROOM #:	BREAKER SIZE	FEEDER SIZE:
	143-NTX-02-06-BC	143	274	N/A	4 200KCMIL + #4 AWG IN 3"C

143-NDP-02-02-BC.xlsx

3 E034 PANEL 143-NDP-02-02-BC
SCALE: NTS

KEY PLAN :



REVISION

NO.	DATE	DESCRIPTION
1	2024-10-04	ISSUED FOR 50%
2	2024-11-15	PERMIT
3	2024-12-04	ISSUED FOR F&S REVIEW
4	2024-12-23	ISSUED FOR F&S REVIEW
5	2025-01-24	ISSUED FOR PEER REVIEW
6	2025-01-31	ISSUED FOR BID
7	2025-03-07	BID ADDENDUM #01

Smith + Andersen
1100 - 100 Sheppard Ave East, Toronto ON, M2N 6N5
t 416 487 8151 smithandandersen.com

ENFORM architects
ENFORM Architects Inc.
128A Sterling Road, Suite 302B
Toronto, Ontario, Canada M6R 2B7
t: 647-848-7523
www.enformarchitects.com

SEAL :

OWNER:

UNIVERSITY OF TORONTO

PROJECT :

HEALTH AND WELLNESS CENTRE RENOVATION AT KOFFLER

214 COLLEGE ST,
TORONTO, ON M5T 3A1

SHEET CONTENTS :

PANEL SCHEDULE

PROJECT NUMBER :
21590.003

DRAWING SCALE :

DRAWN BY :	CHECKED BY :	DATE:
Author	Checker	Issue Date

SHEET NO : **E034** REV : **7**