



## **RFQ#21-28 - ADDENDUM #3**

### **Waterloo City Hall 2nd Floor Office Space Renovation**

**ADDENDUM ISSUE DATE: August 8, 2021**

#### **Drawings Modifications:**

##### **Delete:**

Drawings issued with RFQ21-28.

##### **And Replace with:**

Drawings attached to this Addendum No. 3.

#### **Under Addendum 03 Add:**

Consultant Addendum No.3 attached to this Addendum 03, which shall become part of RFQ21-28

**END OF ADDENDUM # 3**



**IBI GROUP**  
101 – 410 Albert Street  
Waterloo ON N2L 3V3 Canada  
tel 519 585 2255  
[ibigroup.com](http://ibigroup.com)

## Addendum

No. 03

<b>To:</b>	Koohyar Samiee	<b>Date:</b>	August 4, 2021
<b>Company:</b>	City of Waterloo	<b>Project Name:</b>	Partial 2nd Floor Renovation - Waterloo City Hall
<b>From:</b>	IBI Group	<b>Project No:</b>	135164
<b>c.c.</b>		<b>Steno:</b>	TT

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Subject: **Addendum No. 03**

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The following changes are to be included in bids submitted for the above mentioned project.

1. New Corridor (Room 203) floor finish to be revised to Carpet, Refer to A2, prepared by IBI Group and Elemental, Issued for Addendum #3, dated 04 Aug 2021 for revisions to finishes.
2. New Tenant Suite (Rooms 205, 206, 207, 208, 209, 210, 211, and 212) floor finish to be revised to CRPT-2, Refer to A2, prepared by IBI Group and Elemental, Issued for Addendum #3, dated 04 Aug 2021 for revisions to finishes.
3. New Door D2 complete with frame in Meeting Room 212 to be removed from bid price. Remove and relocate existing Kitchen door complete with frame and associated hardware from adjacent suite to Meeting Room 212. Refer to attached revised drawings A1 for location of door to be relocated. Location of door in Meeting Room 212 to remain as shown on Drawing 1/A1. Repaint relocated door and frame and provide new floor stop. Remove existing door stop in Kitchen and patch floor. Patch and make good walls, floor, base, and ceiling where Kitchen door was removed. Paint walls to match existing. At start of project and prior to removing and relocating Kitchen door and frame, Contractor to verify relocated Kitchen door will have a clear width not less than 810 mm wide per DE77 in Table 11.5.1.1.D/E – 3.8.3.3.(1) in the Ontario Building Code. If width does not meet this requirement, notify the Owner and Architect immediately. Refer to A1, prepared by IBI Group and Elemental, Issued for Addendum #3, dated 04 Aug 2021 for revisions to door schedule and drawings note.
4. Glazing in Door Type A to be located within 900 mm of the Floor (refer to attached approved building permit drawings and revised Architectural Drawings A1, dated 04 Aug 2021). Provide shop drawings.

ADDENDUM NO. – AUGUST 4, 2021

5. New Door D1 into Stair 204 shall be equipped with a latching mechanism as required by OBC 3.1.8.13 (refer to attached approved building permit drawings and A2, Issued for Addendum #3, dated 04 Aug 2021 for revisions to door schedule). Door hardware to be included under Door Hardware cash allowance.
6. Contractor to include \$3,000.00 Cash Allowance for Testing to ensure smoke control and venting systems are satisfactory per OBC 3.2.8.11.(1). Refer to attached approved building permit drawings.
7. Refer to A1, prepared by IBI Group and Elemental, Issued for Addendum #3, dated 04 Aug 2021 for revisions to General note. "All interior wall and ceiling finishes shall have a maximum flame spread rating of 150, tested in accordance with CAN/ULC-S102 as per OBC 3.1.12. and 3.1.13."
8. Paint and add a new base board along new walls on unoccupied tenant side. Refer to A2, prepared by IBI Group and Elemental, Issued for Addendum #3, dated 04 Aug 2021

Encl.

Approved Building Permit Drawing Package, date issued July 30, 2021 (12 pages: Non Residential Building Permit Information, Permit Card, Contact Information, Cover Page, A1, A2, M1.1, M2.1, E1.1, E2.1, E3.1, E3.2).

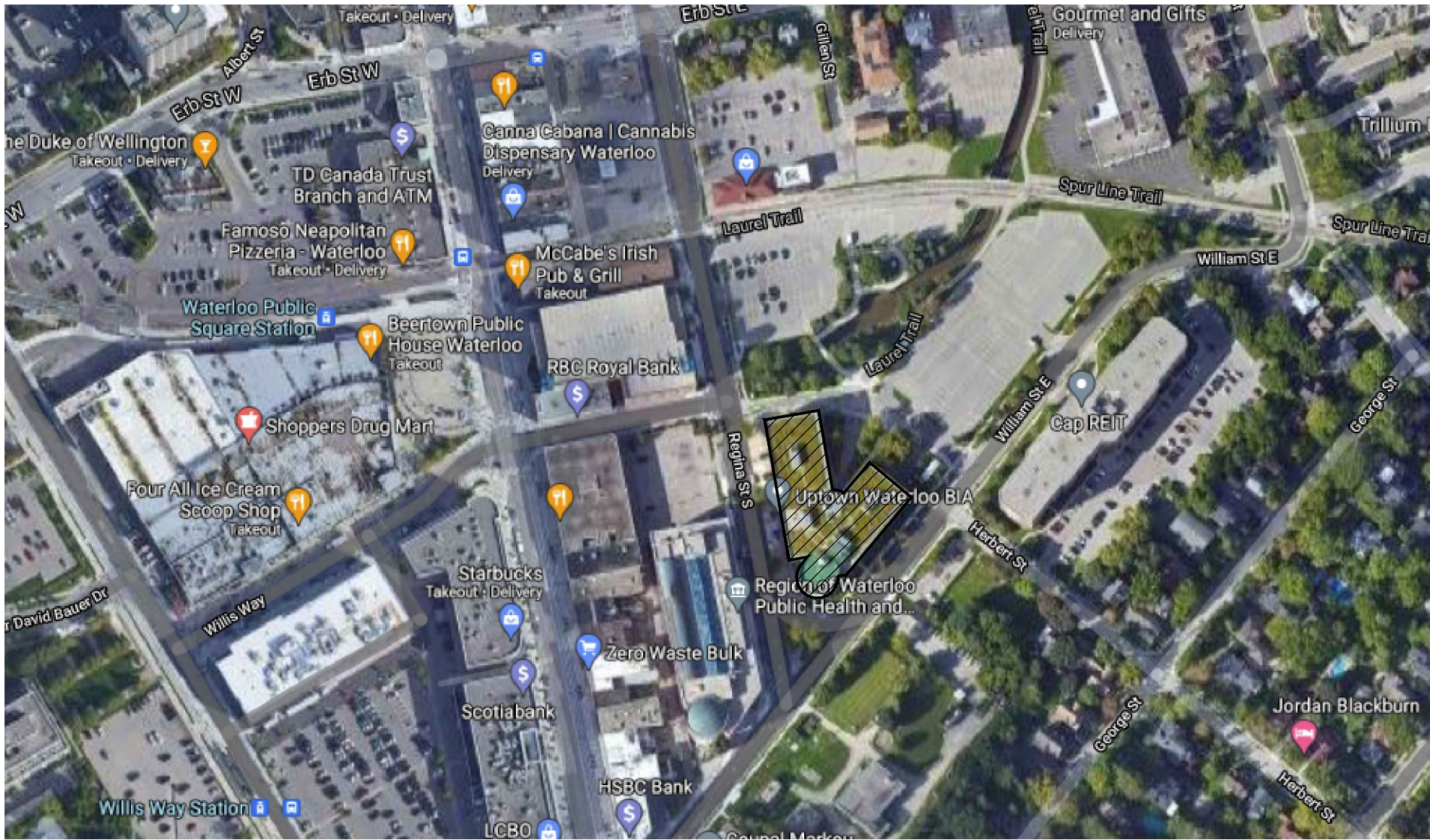
Revised Architectural Drawings A1 and A2, Issued for Addendum #3, Dated Aug 4<sup>th</sup> 2021.

**END OF DOCUMENT**

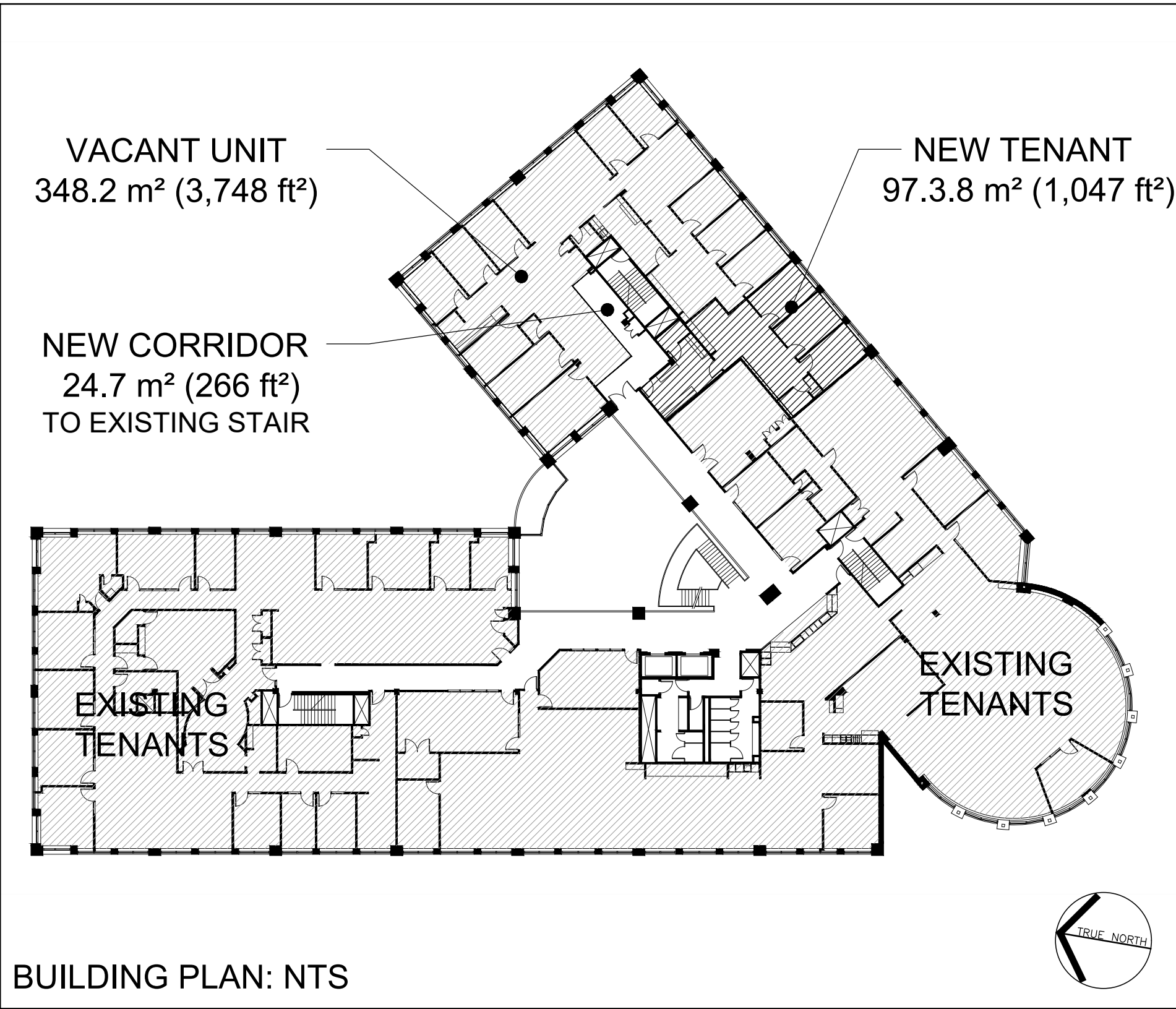


PARTIAL 2ND FLOOR RENOVATION  
WATERLOO CITY HALL

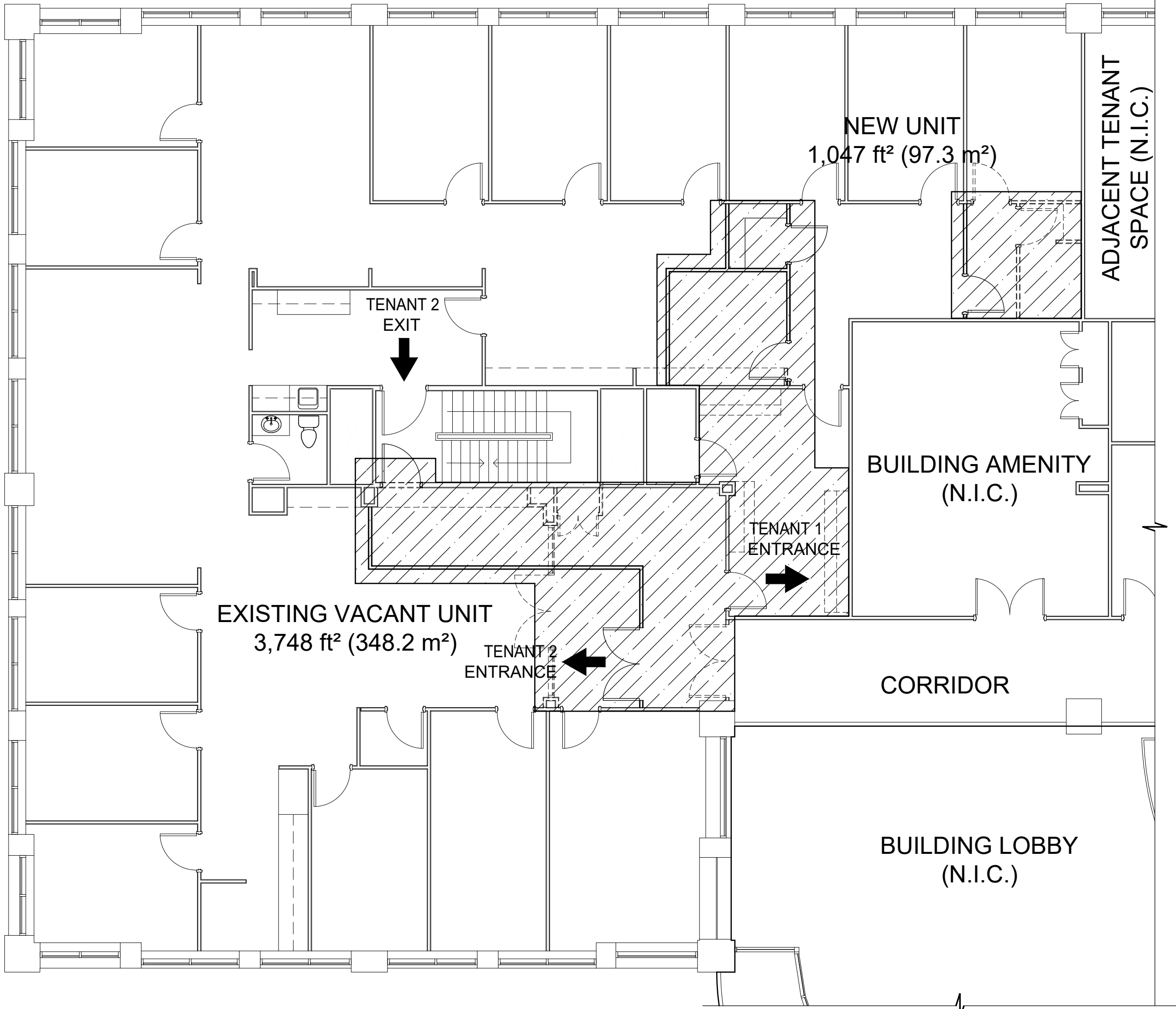
100 REGINA ST S,  
WATERLOO, ON



LOCATION PLAN: NTS



BUILDING PLAN: NTS



AREA OF WORK: NTS  
INDICATES AREA OF WORK TOTAL: 86.1 m²

DRAWING LIST

ARCHITECTURAL:

A1 - DEMOLITION & PARTITION PLANS & RCP

A2 - FINISHES PLAN

ELECTRICAL:

E1.1 - 2ND FLOOR ELECTRICAL DEMOLITION PLANS

E2.1 - 2ND FLOOR ELECTRICAL PLANS

E3.1 - ELECTRICAL NOTES & SCHEDULES

MECHANICAL:

M1.1 - HVAC & SPRINKLER PLANS

M2.1 - MECHANICAL NOTES & DETAILS

OCCUPIED AREAS NOT COVERED UNDER A BUILDING PERMIT ARE REQUIRED TO COMPLY WITH THE ONTARIO FIRE CODE. PLEASE CONTACT WATERLOO FIRE RESCUES FIRE PREVENTION DIVISION IF YOUR PROJECT IS EXPECTED TO IMPACT SYSTEMS SUCH AS EXITS, FIRE ALARM SYSTEMS, SPRINKLER SYSTEMS, STANDPIPE SYSTEMS, FIRE ROUTES OR ANY OTHER FIRE SAFETY SYSTEM IN AN AREA EXPECTED TO BE OCCUPIED DURING CONSTRUCTION. WATERLOO FIRE RESCUES FIRE PREVENTION DIVISION CAN BE CONTACTED AT 519-884-6030 EXT. 23306.

FIRM NAME:

IBI

IBI GROUP ARCHITECTS  
101 - 410 Albert Street  
Waterloo ON N2L 3V3 Canada  
tel 519 585 2255  
ibigroup.com

NAME OF PROJECT: PARTIAL 2ND FLOOR RENOVATION FOR WATERLOO CITY HALL  
ADDRESS: 100 REGINA ST S, WATERLOO, ON N2J 4P9

CONSULTANT:

elemental  
INTERIOR DESIGN SPACE PLANNING  
Elemental Interior Design Inc.  
109 Park St. Waterloo ON N2L 1Y3  
519 747 5752 fax 519 747 9817  
info@elementalid.com

2021-07-19  
ARCHITECTS  
IBI GROUP  
LICENSED  
2529

ONTARIO BUILDING CODE DATA MATRIX PART 3					
ITEM	PROJECT DESCRIPTION:	GROUP D	GROUP DIVISION:	ARTICLE	
1	PROJECT DESCRIPTION: SECOND FLOOR INTERIOR RENOVATION TO EXTEND EXISTING COMMON CORRIDOR TO PROVIDE EXITING FOR NEWLY DEMISED UNITS	<input type="checkbox"/> NEW <input type="checkbox"/> ADDITION <input checked="" type="checkbox"/> ALTERATION	<input type="checkbox"/> PART 11 11.1 TO 11.4	<input checked="" type="checkbox"/> PART 3 3.1.1.2. (A)	<input type="checkbox"/> PART 9
2	MAJOR OCCUPANCY(S):	GROUP D		3.1.2.1.	
3	UNIT AREA (m²) AREA OF WORK (m²)	EXISTING: 97.3 m² NEW: N/A TOTAL: 97.3 m² EXISTING: 86.1 m² NEW: N/A TOTAL: 86.1 m²		EXISTING	
4	GROSS AREA (m²)	EXISTING: 8,109.6 m² NEW: N/A TOTAL: 8,109.6 m²		EXISTING	
5	NUMBER OF STOREYS	ABOVE GRADE: 3 BELOW GRADE: 1		EXISTING	
6	HEIGHT OF BUILDING (m)	12/ EXISTING		3.2.2.5.	
7	NUMBER OF STREETS/ACCESS ROUTES:	3/ EXISTING		3.2.2.10.(4)	
8	BUILDING CLASSIFICATION	GROUP & DIVISION:	GROUP D	3.2.2.54.	
9	SPRINKLER SYSTEM PROPOSED	<input checked="" type="checkbox"/> ENTIRE BUILDING <input type="checkbox"/> BASEMENT ONLY <input type="checkbox"/> IN LIEU OF ROOF RATING <input type="checkbox"/> NOT REQUIRED		EXISTING	
10	STANDPIPE REQUIRED	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		EXISTING	
11	FIRE ALARM REQUIRED	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		EXISTING	
12	WATER SERVICE/SUPPLY IS ADEQUATE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		EXISTING	
13	HIGH BUILDING	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		EXISTING	
14	PERMITTED CONSTRUCTION	<input type="checkbox"/> COMBUSTIBLE <input checked="" type="checkbox"/> NON-COMBUSTIBLE OR COMBINATION		3.2.2.54.	
15	MEZZANINE(S) AREA (m²) MEZZANINE 10% OR LESS ENCLOSED (AREA):	EXISTING AREA: N/A NEW AREA: N/A MEZZANINE 10% OR LESS ENCLOSED (AREA): N/A		3.2.1.1.(3)-(8)	
16	OCCUPANT LOAD:	MAX OCCUPANT LOAD FOR NEW OFFICE: 10 PERSONS (9.3 m²/PERSON)		3.1.17.1.	
17	WASHROOMS - NUMBER OF FIXTURES: EXISTING TO REMAIN			3.7.4.7. EXISTING	
18	BARRIER FREE DESIGN	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO (EXPLAIN)		EXISTING	
19	CONCEALED SPACE (FLOOR OR CEILING) USED AS A PLENUM	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		EXISTING	
20	REQUIRED FIRE RESISTANCE RATING (FRR)	HORIZONTAL ASSEMBLIES FRR (HOURS) FLOORS: N/A ROOF: N/A MEZZANINE: N/A FRR OF SUPPORTING MEMBERS FLOORS: N/A ROOF: N/A MEZZANINE: N/A	LISTED DESIGN No. OR DESCRIPTION (SG-2) EXISTING N/A LISTED DESIGN No. OR DESCRIPTION (SG-2) EXISTING EXISTING N/A	3.2.2.54 & 3.2.1.4	
21	OTHER - DESCRIBE: RENOVATION OF AN EXISTING SPACE TO SEPARATE EXISTING UNIT AND EXTEND COMMON CORRIDOR				

ONTARIO BUILDING CODE DATA MATRIX PART 11			
ITEM	DESCRIBE EXISTING USE: OFFICE BUILDING - GROUP D	CONSTRUCTION INDEX: N/A	IBC REFERENCE
22	EXISTING BUILDING CLASSIFICATION:	HAZARD INDEX: N/A NO CHANGE IN MAJOR OCCUPANCY	11.2.1 T 11.2.1.1A T 11.2.1.1B to N
23	ALTERATION TO EXISTING BUILDING IS:	BASIC RENOVATION EXTENSIVE RENOVATION	11.3.3.1 11.3.3.2
24	REDUCTION IN PERFORMANCE LEVEL:	STRUCTURAL: BY INCREASE IN OCCUPANT LOAD: BY CHANGE IN MAJOR OCCUPANCY: PLUMBING: SEWAGE SYSTEM:	11.4.2.1 11.4.2.2 11.4.2.3 11.4.2.4 11.4.2.5
25	COMPENSATING CONSTRUCTION:	STRUCTURAL: BY INCREASE IN OCCUPANT LOAD: BY CHANGE IN MAJOR OCCUPANCY: PLUMBING: SEWAGE SYSTEM:	11.4.3.2 11.4.3.3 11.4.3.4 11.4.3.5 11.4.3.6
26	COMPLIANCE ALTERNATIVES PROPOSED:	DE77 IN TABLE 11.5.1.1 D/E - 3.8.3.3.(1): EXISTING DOORWAY ACCEPTABLE, PROVIDED NOT LESS THAN 810mm WIDE. EXISTING DOORS HAVE A CLEAR WIDTH GREATER THAN 810mm WHEN THE DOOR IS IN THE OPEN POSITION.	11.5.1

GENERAL NOTES:

ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE ONTARIO BUILDING CODE INCLUDING ALL AMMENDMENTS.

NO EXISTING ARCHITECTURAL, STRUCTURAL, ELECTRICAL NOR MECHANICAL DRAWINGS, HAVE BEEN REVIEWED.

WORKING IN THE BUILDING NEEDS TO BE DONE IN A MANNER WHICH MINIMIZES THE IMPACT OF CONSTRUCTION ON THE ADJACENT TENANTS. ZERO VOC PRODUCTS ARE TO BE USED TO MINIMIZE ODOUR. WORK THAT IS NOISY NEEDS TO BE COORDINATED WITH THE BUILDING MANAGER AND/OR DONE OUTSIDE OF REGULAR HOURS.

BUILDING INSPECTION

THE CITY OF

Waterloo

NOTE: THIS DEPARTMENT MUST BE NOTIFIED OF, AND APPROVE OF ALL CHANGES FROM THESE PLANS. ALL CONSTRUCTION TO CONFORM TO THE ONTARIO BUILDING CODE. THE BUILDER ASSUMES FULL LIABILITY FOR ERRORS AND OMISSIONS. THESE DRAWINGS MUST BE KEPT ON SITE UNTIL FINAL INSPECTION HAS BEEN COMPLETED.

2021-07-27

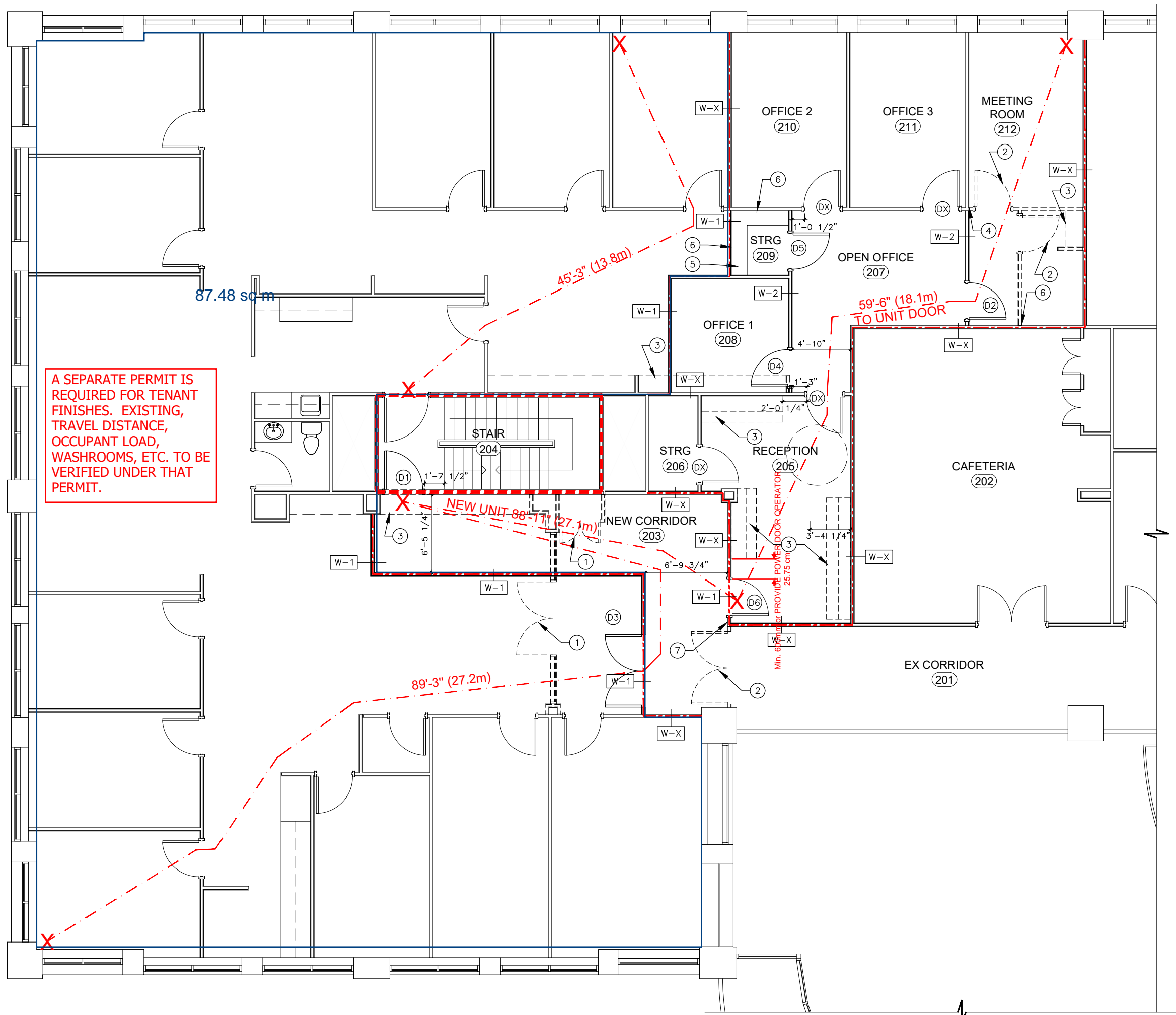
THIS BUILDING IS REGULATED BY 3.2.8.1. WHERE PROTECTION IN CONFORMANCE WITH THE REQUIREMENTS OF 3.2.8.3. TO 3.2.8.11 AS APPLICABLE.

TESTING SHALL BE PROVIDED TO THE BUILDING INSPECTOR UPON REQUEST IN COMPLIANCE WITH 3.2.8.11.(1) TO ENSURE SMOKE CONTROL AND VENTING SYSTEMS ARE SATISFACTORY.

ISSUED FOR PERMIT & TENDER: JULY 19, 2021  
ISSUED FOR CLIENT REVIEW: JULY 15, 2021  
ISSUED FOR COORDINATION: JULY 9, 2021

21-013624 Page 1 of 9





1 DEMO/PARTITION PLAN  
A1 SCALE: 1/8"=1'-0"

GENERAL NOTES:

- A. ALL CRITICAL DIMENSIONS TO BE SITE VERIFIED PRIOR TO CUTTING OR REMOVING PARTITIONS. CONTRACTOR TO CONSULT DESIGNER REGARDING ANY DISCREPANCIES NOTED ON SITE.
- B. DIMENSIONS ARE TO FACE OF GYPSUM BOARD FOR NEW PARTITION WALLS.
- C. PARTITION DIMENSIONS AND LAYOUT MAY VARY SLIGHTLY DUE TO EXISTING SITE CONDITIONS. CONTRACTOR TO MARK ALL NEW PARTITIONS ON FLOOR AND VERIFY ALL ANGLES AND DIMENSIONS WITH DESIGNER PRIOR TO COMMENCING WORK.
- D. EXISTING PARTITION WALLS AFFECTED BY DEMOLITION TO BE PATCHED AND MADE GOOD FOR NEW PAINT FINISH.
- E. EXISTING EXIT SIGNS AND EMERGENCY LIGHTS TO REMAIN OR BE RELOCATED TO SUIT NEW LAYOUT. GENERAL CONTRACTOR SHALL ENSURE THAT EMERGENCY LIGHT LEVELS MEET OR EXCEED MINIMUM SAFETY STANDARDS.
- F. ANY CONFLICTS BETWEEN MECH. SYSTEMS COMPONENTS & LIGHTING LOCATIONS TO BE RESOLVED ON SITE WITH DESIGNER & CONTRACTOR.
- G. REFER TO ELECTRICAL ENGINEER'S DRAWINGS FOR FINAL LIGHTING SPECIFICATIONS.
- H. FOR NEW EXIT SIGNS AND EMERGENCY LIGHTS REFER TO ELECTRICAL DRAWINGS.

BARRIER FREE DESIGN:

1. AREA OF WORK IS IN AN EXISTING ACCESSIBLE BUILDING. ALL CONSTRUCTION IS TO CONFORM TO OBC SECTION 3.8 BARRIER-FREE DESIGN.

TRAVEL DISTANCES:

1. PATH OF TRAVEL SHOWN THUSLY: **XX'-X" (XX.Xm)**
2. THE UNIT IS SPRINKLERED & LESS THAN 300m<sup>2</sup>. ONE EXIT DOOR IS ACCEPTABLE. TRAVEL DISTANCES ARE LESS THAN 25m [82'-0"] (IN ACCORDANCE WITH OBC REQUIREMENTS 3.3.1.5, AND TABLE 3.3.1.5.B)
3. TRAVEL DISTANCES ARE MEASURED TO THE EXIT DOOR AS PER 3.4.2.4.

WALL TYPES:

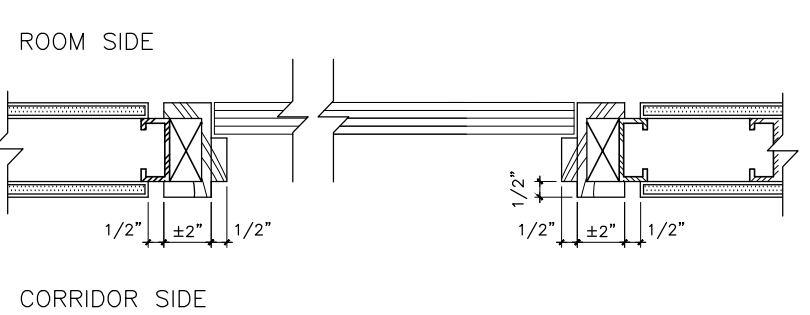
UNIT AND CORRIDOR WALLS ARE TO GO UP TO UNDERSIDE OF DECK. CONTRACTOR TO CONFIRM CONDITION OF EXISTING WALLS AND PROVIDE WORK NECESSARY TO MEET WALL TYPE REQUIREMENTS AS DETAILED BELOW.

1 HR FIRE SEPARATION WALLS INDICATED THUSLY: **---** SEPARATION WALLS AS PER 3.3.1.4. (4)(g) ARE NOT REQUIRED TO BE A FIRE SEPARATION IN A SPRINKLERED FLOOR AREA. PROVIDED TRAVEL DISTANCES ARE LESS THAN 45m [147'-7 8/16"]

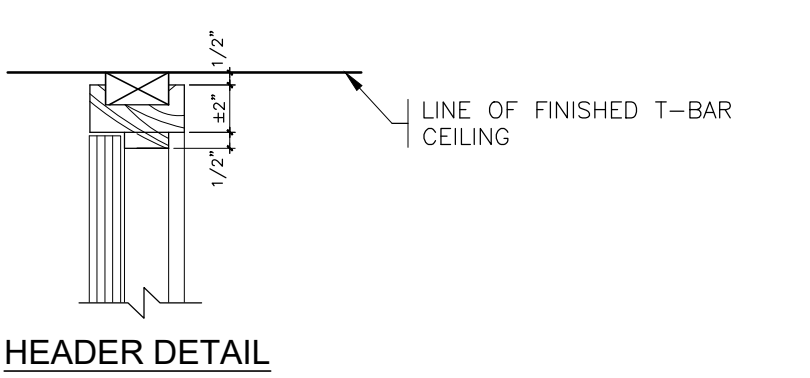
EXISTING PARTITION WALL TO REMAIN.  
• EXISTING WALL STRUCTURE TO UNDERSIDE OF EXISTING CEILING  
• PROVIDE BAFFLES ABOVE CEILING TO UNDERSIDE OF DECK, AS PER W-1.

PROVIDE PARTITION WALL WITH  
• 1 LAYER OF 5/8" GWB ON BOTH SIDES OF  
• 3 5/8" METAL STUDS AT 16" O.C.  
• FILL CAVITY WITH SOUND ATTENUATION INSULATION.  
• PARTITION TO BE EXTENDED TO U/S OF CEILING.  
• PROVIDE BAFFLES FROM CEILING TO U/S OF DECK TO MATCH EXISTING FOR SOUND CONTROL.  
• REFER TO WALL SECTION FOR REVEAL DETAILS. CONTRACTOR IS RESPONSIBLE FOR INVESTIGATING EXISTING WALL CONSTRUCTION TO IMITATE DETAILING ON NEW WALLS.

PROVIDE PARTITION WALL WITH  
• 1 LAYER OF 5/8" GWB ON BOTH SIDES OF  
• 3 5/8" METAL STUDS AT 16" O.C.  
• FILL CAVITY WITH SOUND ATTENUATION INSULATION.  
• PARTITION TO BE EXTENDED TO U/S OF FINISHED CEILING.  
• REFER TO WALL SECTION FOR REVEAL DETAILS. CONTRACTOR IS RESPONSIBLE FOR INVESTIGATING EXISTING WALL CONSTRUCTION TO IMITATE DETAILING ON NEW WALLS.



DOOR JAMB DETAIL NTS



DRAWING NOTES:

INDICATES WALLS, DOORS AND SIDELIGHTS TO BE REMOVED: ----- REMOVE DOORS AND SIDELIGHTS CAREFULLY AND STORE THEM SAFELY FOR POSSIBLE REUSE.

EXISTING FLOORING IN NEW UNIT 1 AND NEW CORRIDOR TO STAIR TO BE REMOVED & SUBFLOOR MADE READY FOR NEW FLOOR FINISH. ALL OTHER EXISTING FLOOR TO REMAIN.

- ① EXISTING DOOR, FRAME AND GLAZING TO BE REMOVED CAREFULLY AND COMPLETELY, RETURNED TO OWNER.
- ② EXISTING DOOR AND FRAME TO BE REMOVED CAREFULLY AND COMPLETELY, STORED FOR REUSE.
- ③ EXISTING MILLWORK TO BE REMOVED AND DISPOSED OF.
- ④ MAKE NEW PARTITION WALL FLUSH WITH EXISTING FOR SEAMLESS TRANSITION.
- ⑤ STORAGE SHELVING BY OWNER
- ⑥ PROVIDE BLOCKING WHERE MILLWORK, EQUIPMENT, ACCESSORIES, TV'S ETC. ARE ATTACHED TO NEW AND EXISTING PARTITION WALLS. (TYP.)
- ⑦ ±9" SECTION OF WALL FROM EXISTING CORRIDOR TO NEW TENANT DOOR IS TO BE MADE FLUSH AT WALL BASE TO MATCH EXISTING CORRIDOR AS IT WRAPS AROUND CORNER. REMAINDER AFTER TENANT DOOR IS TO REMAIN WITH WALL BASE REVEAL.

DOOR SCHEDULE:

IMPORTANT NOTES:

- A. FOR LOCKING REQUIREMENTS OF NEW DOORS COORDINATE WITH CLIENT.
- B. DOOR HARDWARE IS TO BE PROVIDED BY CASH ALLOWANCE AS PER TENDER DOCUMENTS.

DOOR TYPE: A, FRAME TYPE: A  
3'-2"W, HEIGHT TO MATCH BUILDING STANDARD. HM DOOR W/ VISION LITE.  
\*\*1 HR FRR\*\*  
FRAME: HOLLOW METAL  
FINISH: PAINT  
HARDWARE: 3 PAIRS OF HINGES, CRASH BAR AND LEVER HANDLE W/ DOOR CLOSER & FLOOR STOP.  
NOTE: ENSURE DOOR PROVIDES 860mm CLEAR OPENING.

DOOR TYPE: B, FRAME TYPE: A  
3'-2"W x 8'-5"H WOOD DOOR TO MATCH BUILDING STANDARD  
FRAME: WOOD, REFER TO DOOR REVEAL DETAILS.  
FINISH: PAINT (TO MATCH BUILDING STANDARD)  
HARDWARE: 3 PAIRS OF HINGES, LOCK SET W/ DOOR CLOSER & FLOOR STOP  
NOTE: ENSURE DOOR PROVIDES 860mm CLEAR OPENING.

RELOCATED EXISTING ENTRANCE DOUBLE DOOR C/W FLOOR & OVERHEAD DOOR STOP AS REQ'D. PAINT DOOR FRAME AS PER BUILDING STANDARDS

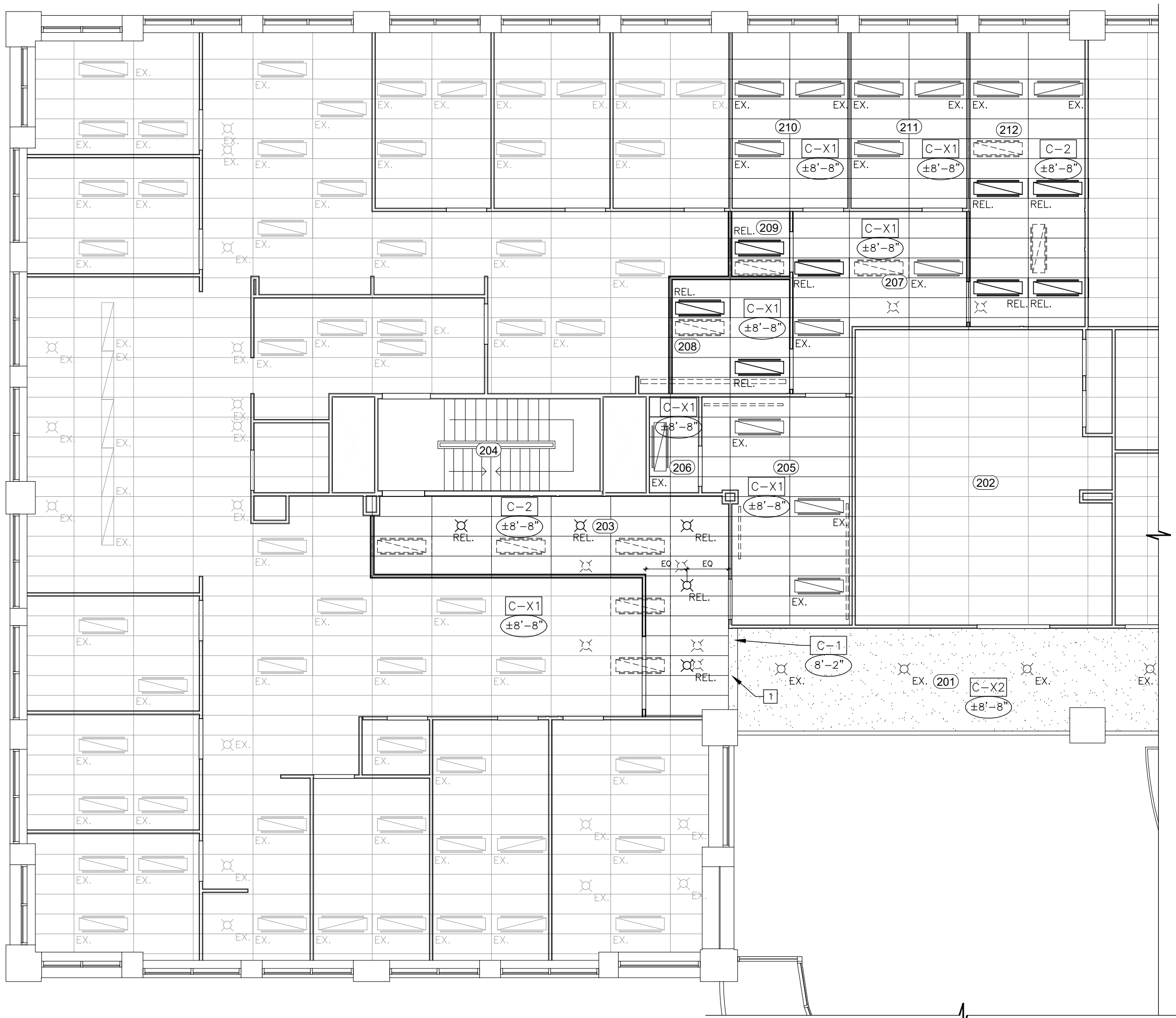
RELOCATED EXISTING OFFICE DOOR, REPAIR & PROVIDE FLOOR STOP.

RELOCATED EXISTING STORAGE DOOR, REPAIR & PROVIDE OVERHEAD DOOR STOP.

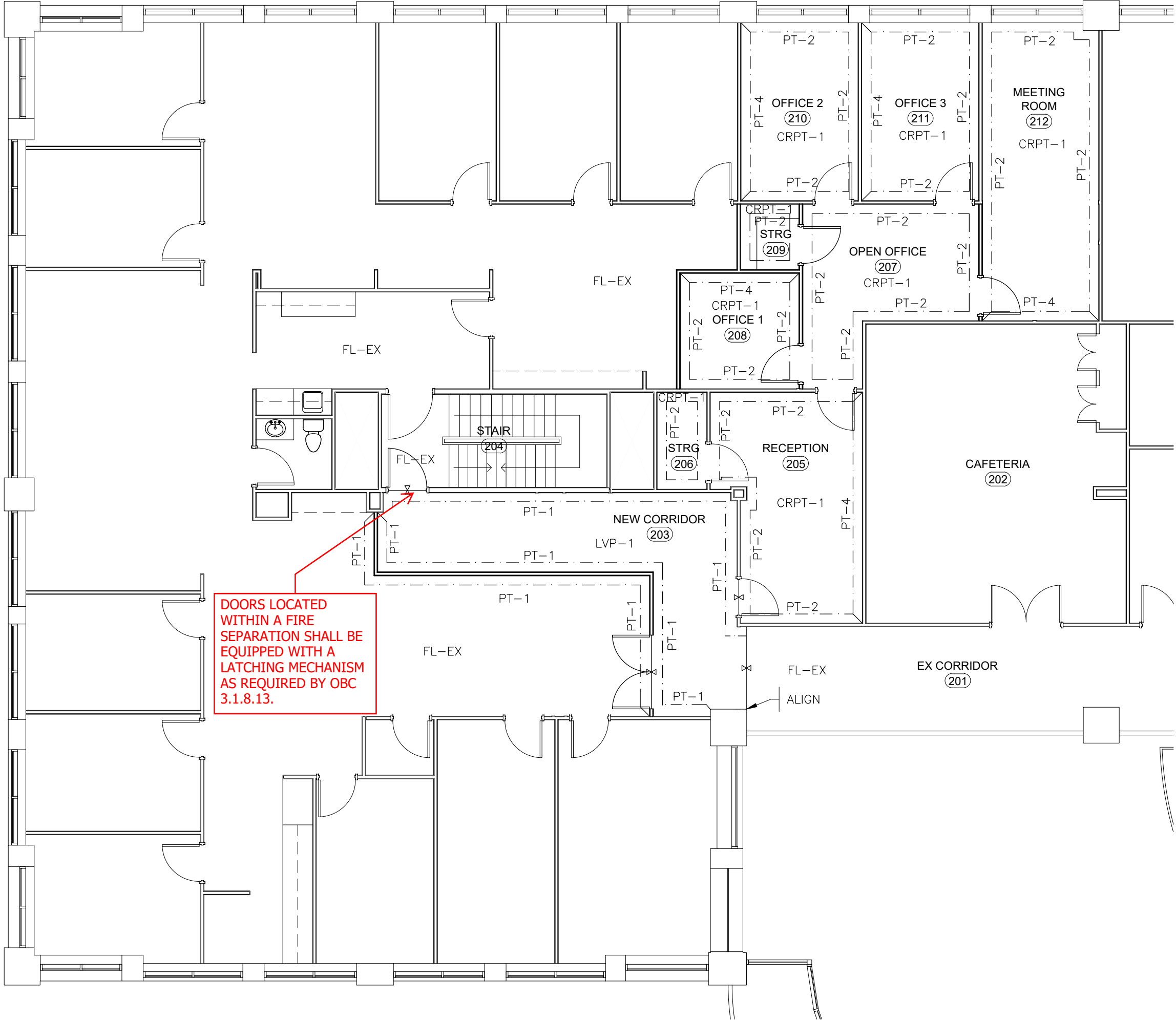
EXISTING DOOR TO REMAIN. EXISTING KEYPAD IS TO BE DEACTIVATED AND REMAIN. PROVIDE NEW CARD READER.

EXISTING DOOR TO REMAIN. REPAINTED.

ALL INTERIOR WALL AND CEILING FINISHES SHALL HAVE A MAXIMUM FLAME SPREAD RATING OF 150 TESTED IN ACCORDANCE WITH CAN/ULC-S102 AS PER OBC 3.1.12. AND 3.1.13.







1

A2

FINISHES PLAN

SCALE: 1/8"=1'-0"

FINISHES NOTES:

FLOOR FINISHES:

- A. CONTRACTOR TO MAKE SITE/SUB-FLOOR GOOD AND READY TO ACCEPT FLOOR FINISHES AS SPECIFIED
- B. CHANGES IN FLOOR FINISHES TO OCCUR AT DOOR CENTERLINE
- C. INSTALL WALL BASE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. USE FULL LENGTH PIECES WHERE POSSIBLE; ACCUMULATED SHORT LENGTHS SHALL NOT BE USED.
- D. FLOOR FINISH TRANSITIONS ARE INDICATED AS SUCH:  $\frac{V}{\text{---}}$  FLOOR TRANSITION STRIP IS NOT REQUIRED BETWEEN FLOOR FINISHES OF THE SAME TYPE. FLOOR TRANSITIONS TO OCCUR AT THE CENTERLINE OF DOOR OPENING.

WALL FINISHES:

- E. PATCH, SAND SMOOTH AND MAKE GOOD, READY TO RECEIVE NEW FINISHES.
- F. PROVIDE WOOD BLOCKING WITHIN PARTITION WALLS WHERE MILLWORK, ACCESSORIES OR ARCHITECTURAL FEATURES ARE APPLIED.
- G. ALL WALLS IN COMMON CORRIDOR AFFECTED BY DEMOLITION/CONSTRUCTION ARE TO BE PATCHED AND MADE GOOD, READY TO RECEIVE NEW FINISHES.
- H. A NEW COAT OF PAINT IS TO BE APPLIED TO THE FULL EXTEND OF EXISTING WALLS THAT REQUIRE PATCHING, FOR A SMOOTH SEAMLESS SURFACE.

PAINT FINISH:

- I. PAINT FINISHES ON GYPSUM BOARD PARTITIONS TO BE EGGSHELL FINISH.
- J. CONTRACTOR TO APPLY AS MANY COATS OF PAINT AS REQUIRED TO COVER WALLS, DOORS, AND BULKHEADS PROPERLY.
- K. CONTRACTOR TO PROVIDE DESIGNER WITH SAMPLES OF ALL PAINT FINISHES (COLOUR & SHEEN) BEFORE PROCEEDING WITH WORK.
- L. ALL PAINT GRADE DOORS TO BE PAINTED WITH PEARL OR SATIN FINISH. PAINT COLOUR TO BE PT-3 IN NEW TENANT AREAPaint COLOUR TO MATCH BUILDING STANDARD IN NEW CORRIDOR EXTENSION.
- M. ALL H.M. FRAMES TO BE PAINTED WITH PEARL OR SATIN FINISH. PAINT COLOUR TO BE PT-3 IN NEW TENANT AREA, PAINT COLOUR TO MATCH BUILDING STANDARD IN NEW CORRIDOR EXTENSION.

FINISHES LEGEND:

FLOOR FINISHES:

- FL-EX: EXISTING FLOORING TO REMAIN.
- LVP-1: CORRIDOR  
MANUF.: MOHAWK  
COLCTN.: HOT & HEAVY  
SERIES.: LINEATE (C0089)  
CLR.: FIGURED (948)  
SIZE.: 9"x59"  
TBC  
BASE TO MATCH EXISTING
- CRPT-2: NEW TENANT UNIT  
MANUF.: MILLIKEN  
COLCTN.: SURFACE STUDY  
SERIES.: DISTRESSED  
CLR.: CHARRED (DIS119-174)  
SIZE.: 50cm x 50cm  
TBC  
NEW 4" RUBBER BASE, JOHNSONITE  
COLOUR TBD

PAINT:

- PT-1: PAINT TO MATCH BUILDING STANDARD
- PT-2: NEW TENANT GENERAL  
SHERWIN WILLIAMS  
REPOSE GRAY (SW 7015)
- PT-3: NEW TENANT  
DOORS/TRIM  
SHERWIN WILLIAMS  
ACIER (SW 9170)
- PT-4: NEW TENANT ACCENT  
SHERWIN WILLIAMS  
REGATTA (SW 6517)

THIS DRAWING, AS AN INSTRUMENT OF SERVICE, IS THE PROPERTY OF THE ARCHITECT/ENGINEER AND MAY NOT BE REPRODUCED WITHOUT THEIR PERMISSION AND UNLESS THE REPRODUCTION CARRIES THEIR NAME. ALL DESIGN AND OTHER INFORMATION SHOWN ON THIS DRAWING ARE FOR THE USE ON THE SPECIFIED PROJECT ONLY AND SHALL NOT BE USED OTHERWISE WITHOUT WRITTEN PERMISSION OF THE ARCHITECT/ENGINEER.

WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THE DRAWING AND REPORT ANY DISCREPANCIES TO THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH THE WORK. BEFORE PROCEEDING WITH FABRICATION.

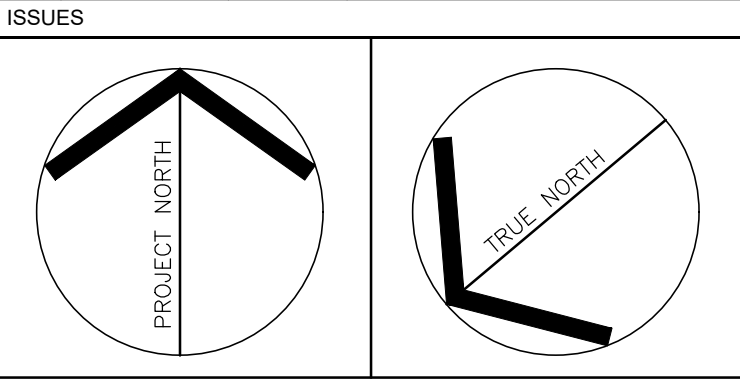
SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR APPROVAL.

THESE DRAWINGS SHALL NOT BE SCALED.

ALL DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL OTHER RELATED DOCUMENTS AND SPECIFICATIONS.



3	19 JULY 2021	MM (IBI)	ISSUED FOR PERMIT & TENDER
2	15 JULY 2021	MM (IBI)	ISSUED FOR CLIENT REVIEW
1	09 JULY 2021	TM (EID)	ISSUED FOR COORDINATION
#	DATE	BY	REVISIONS



**IBI GROUP ARCHITECTS**  
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Waterloo ON N2L 3V3 Canada  
tel 519 585 2255  
ibigroup.com

**elemental**  
INTERIOR DESIGN SPACE PLANNING  
Elemental Interior Design Inc.  
109 Park St. Waterloo ON N2L 1Y3  
519 747 5752 fax 519 747 8817  
info@elementalid.com

PROJECT **PARTIAL 2ND FLOOR  
RENOVATION - WATERLOO  
CITY HALL**  
100 REGINA STREET SOUTH

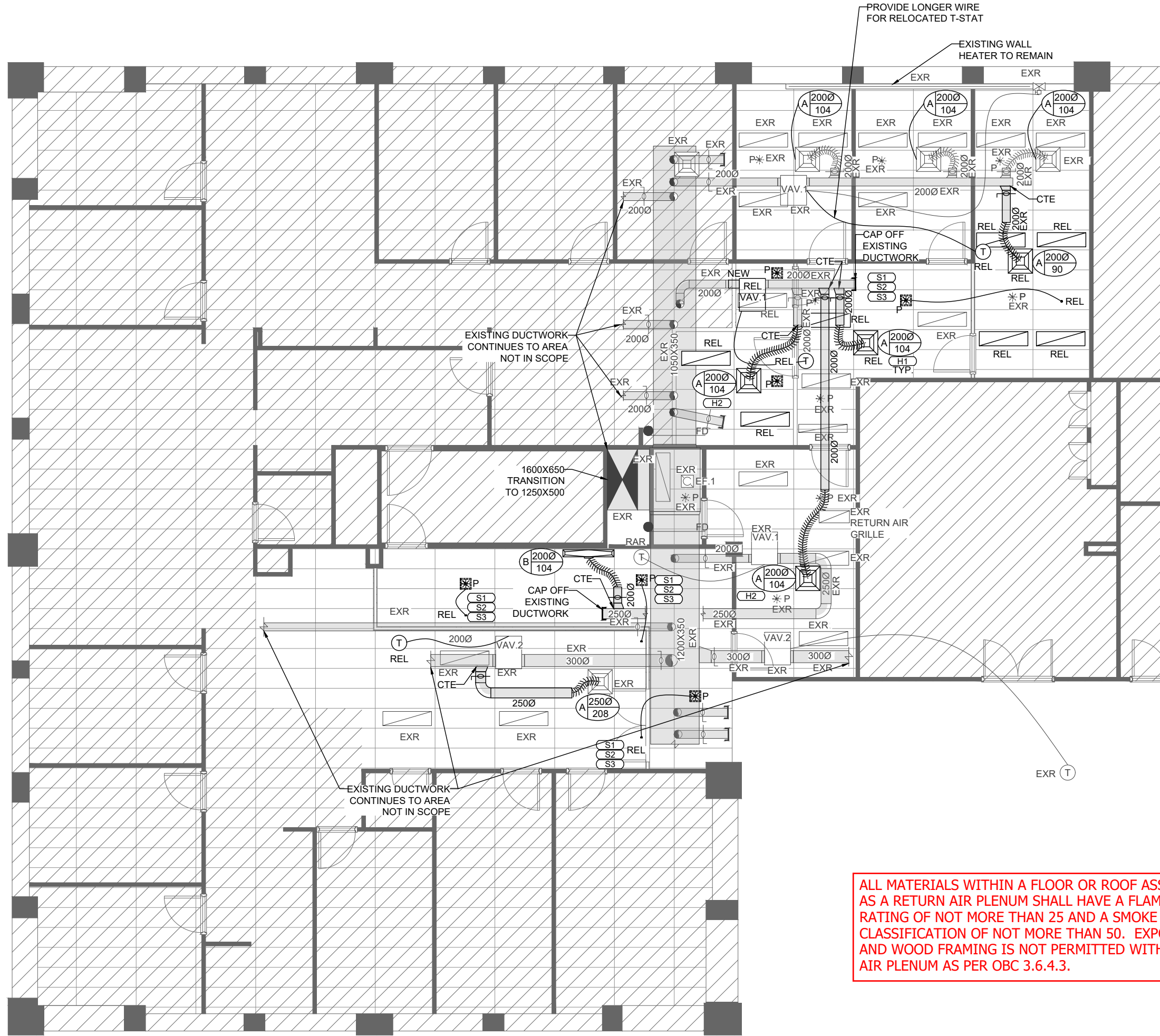
SHEET TITLE

**FINISHES PLAN**

DRAWN BY: TM (EID)	CHKD' BY: MM (IBI)
DATE: 07/19/21	SCALE: 1/8" = 1'-0"
PROJECT NO:	SHEET NUMBER <b>A2</b>



1 HVAC & SPRINKLER DEMO PLAN  
M1.1 1:100



2 HVAC & SPRINKLER PLAN  
M1.1 1:100

RE-VERIFICATION  
REQUIRED

SPRINKLER SYSTEM TO BE DESIGNED,  
INSTALLED AND TESTED AS PER NFPA 13  
AND APPLICABLE OBC REQUIREMENTS

ALL MATERIALS WITHIN A FLOOR OR ROOF ASSEMBLY USED  
AS A RETURN AIR PLENUM SHALL HAVE A FLAME-SPREAD  
RATING OF NOT MORE THAN 25 AND A SMOKE DEVELOPED  
CLASSIFICATION OF NOT MORE THAN 50. EXPOSED WOOD  
AND WOOD FRAMING IS NOT PERMITTED WITHIN A RETURN  
AIR PLENUM AS PER OBC 3.6.4.3.

#### HATCH LEGEND

AREA NOT IN SCOPE

#### SPRINKLER NOTES

- (S1) RELOCATE SPRINKLER PIPING, INSTALL, REWORK, OR EXTEND SPRINKLER PIPING AS NECESSARY.
- (S2) AS PER NFPA 13, 6.2.1.1, WHEN A SPRINKLER HAS BEEN REMOVED FOR ANY REASON, IT SHALL NOT BE REINSTALLED.
- (S3) MECHANICAL CONTRACTOR TO PROVIDE NEW SPRINKLER HEADS AS REQUIRED AND INSTALL, REWORK, OR EXTEND SPRINKLER PIPING AS NECESSARY.

#### HVAC NOTES

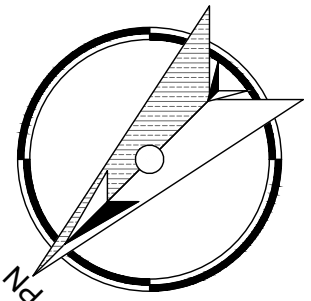
- (H1) FOR ALL GRILLES INSTALLED ON ROUND DUCTWORK, THE CONTRACTOR MUST CARRY ALL COSTS TO PROVIDE GRILLE BOXES TO FACILITATE MOUNTING OF GRILLES TO ROUND DUCTWORK.
- (H2) RE-CONNECT EXISTING RELOCATED DIFFUSER TO EXISTING DUCTWORK. PROVIDE NEW DUCTWORK AS REQUIRED.

CONSULTANT



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2	ISSUED FOR COORDINATION	07/15/21
1	ISSUED FOR 50% REVIEW	07/09/21
#	DESCRIPTION	MM/DD/YY

Partial 2nd Floor Renovation  
Waterloo City Hall  
100 REGINA ST.  
WATERLOO, ON

DRAWING TITLE:

HVAC & SPRINKLER  
PLANS

DRAWN BY: J.V.	CHECKED BY: R.M.	APPROVED BY: T.N.
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SCALE: 1:100	SHEET SIZE: ARCH D
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PROJECT #: 21-161	SHEET #: M1.1
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MECHANICAL LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
MECHANICAL LINETYPES		PLUMBING	
	SANITARY		PIPING DROP
	COLD WATER		PIPING RISE
	SOFT COLD WATER		PIPING DROP TEE
	HOT WATER		FLOOR DRAIN
	MIXED/TEMPERED WATER		HUB DRAIN
	COLD WATER FILTERED		COOLER HUB DRAIN
	REFRIGERANT PIPING SUPPLY		ROOF DRAIN
	REFRIGERANT PIPING RETURN		OFFSET HUB DRAIN
	SPRINKLER PIPING		TRENCH DRAIN (AS PER SCHEDULE)
	CONDENSATE LINE		MIXING STATION
	RECIRCULATION LINE		CLEANOUT
	WATER SERVICE		CONTINUATION LINE
	STORM WATER		FIXTURE CONNECTION (COLD WATER/HOT WATER/MIXED WATER)
	GAS LINE		FIXTURE CONNECTION (COLD WATER FILTERED)
	COMPRESSED AIR LINE		DOUBLE CHECK VALVE ASSEMBLY BACKFLOW PREVENTER (DCVA)
	VACUUM LINE		GLOBE VALVE
	VENT LINE		BALL VALVE
	DM. DENOTES DEMOLITION (TYP)		BACKWATER VALVE
	EX. DENOTES EXISTING (TYP)		BUTTERFLY VALVE
HVAC			CHECK VALVE
	SUPPLY DUCT		SHUT-OFF VALVE
	RETURN DUCT		GATE VALVE
	EXHAUST DUCT		PIPE AND DUCTWORK CAP
	AIR DUCT (SIZE AS PER DRAWING)		REDUCER
	ACOUSTIC LINING (AS PER SPECIFICATIONS)		GREASE OR SEDIMENT INTERCEPTOR (AS PER SCHEDULE)
	THERMAL INSULATION (AS PER SPECIFICATIONS)		HOT WATER HEATER (AS PER SCHEDULE)
	EXISTING AIR DUCT (SIZE AS PER DRAWING)		HOT WATER TANK (AS PER SCHEDULE)
	SQUARE DIFFUSER (AS PER SCHEDULE)		EXPANSION TANK (AS PER SCHEDULE)
	SQUARE DIFFUSER WITH BLANK-OFF PANEL (AS PER SCHEDULE)		WATER METER
	DIFFUSER/GRILLE LABEL, SIZE (IMP), CAPACITY (CFM)		PUMP
	LINEAR DIFFUSER LABEL, LENGTH OF DIFFUSER (FT), CAPACITY (CFM)		NON-FREEZE HOSE BIBB (NFBH)
	CIRCULAR DIFFUSER (AS PER SCHEDULE)	SPRINKLER	
	RETURN AIR GRILLE (AS PER SCHEDULE)		EXISTING SPRINKLER HEAD
	FLEXIBLE DUCT		RELOCATED SPRINKLER HEAD
	MANUAL BALANCING DAMPER		NEW SPRINKLER HEAD
	AIRFLOW INDICATOR		P* DENOTES PENDENT TYPE SPRINKLER HEAD
	EXHAUST FAN (AS PER SCHEDULE)		*U DENOTES UPRIGHT TYPE SPRINKLER HEAD
	THERMOSTAT		*S DENOTES SIDEWALL TYPE SPRINKLER HEAD
	IN-LINE EXHAUST FAN (AS PER SCHEDULE)		*HT DENOTES HIGH TEMPERATURE UPRIGHT TYPE SPRINKLER HEAD
	LOUVER (AS PER SCHEDULE)		FIRE DEPARTMENT CONNECTIONS, EXPOSED AND FLUSH
	WALL-MOUNTED FORCED FAN HEATER		
	CEILING-MOUNTED FORCED FAN HEATER		
	BASEBOARD HEATER (AS PER SCHEDULE)		
	TOP/BOTTOM REGISTER		
	SIDE REGISTER		
	TRANSFER DUCT		
	TURNING VANES IN A RECTANGULAR DUCT TURN		
	LINEAR DIFFUSER (AS PER SCHEDULE)		
	UNIT HEATER		
	DYNAMIC FIRE DAMPER		
	REVERSE-ACTING THERMOSTAT		
	AIR TRANSFER GRILLE AS PER DRAWING		
	GAS METER		
	GAS CONNECTION		
	GAS VALVE		
ABBREVIATIONS			
TBR	TO BE REMOVED	H, W, L, Ø	HEIGHT, WIDTH, LENGTH, DIAMETER
REL	RELOCATED	AF	ABOVE FINISHED FLOOR
RAR	REMOVE AND RE-INSTALL	AF	ABOVE FLOOR
EXR	EXISTING TO REMAIN	UF	UNDER FLOOR
EX	EXISTING	OH	OVERHEAD
CTE	CONNECT TO EXISTING	UG	UNDERGROUND

GRILLE AND DIFFUSER SCHEDULE		
SYMBOL	DESCRIPTION	REMARKS
A	EH PRICE 500X500 SCD/B12 SUPPLY AIR DIFFUSER, FRAME SUITABLE FOR CEILING.	FINISH TO BE MATCHED TO EXISTING DIFFUSERS
B	EH PRICE 90B100 1219mm LINEAR TWO SLOT DIFFUSER, MOUNTED IN DROP CEILING.	FINISH TO BE MATCHED TO EXISTING DIFFUSERS IN PUBLIC SPACE


EXISTING MECHANICAL EQUIPMENT SCHEDULE				
SYMBOL	NAME	DESCRIPTION	ELECTRICAL	REMARKS
EX VAV.1	TERMINAL FAN BOX	MODEL: NAILOR 35N INLET DIAMETER: 200 mm PRIMARY AIR FLOW RANGE: 0 - 472 L/s UNIT SIZE: 2	120/160	
EX VAV.2	TERMINAL FAN BOX	MODEL: NAILOR 35N INLET DIAMETER: 300 mm PRIMARY AIR FLOW RANGE: 0 - 1015 L/s UNIT SIZE: 3	120/160	
EX EF.1	EXHAUST FAN			EXISTING EXHAUST FAN TO REMAIN

GENERAL NOTES	
1.	THE CONTRACTOR SHALL SUBMIT A LUMP SUM PRICE BASED ON THE DRAWING(S). IF THE CONTRACTOR CHOOSES TO USE ALTERNATIVE MATERIALS AND EQUIPMENT, THE BID MUST INCLUDE NAME OF THE ALTERNATIVE MANUFACTURER AND ANY ADJUSTMENT IN PRICE.
2.	BEFORE BIDDING, THE CONTRACTOR MUST VISIT SITE. THE CONTRACTOR IS RESPONSIBLE TO BE FAMILIAR WITH THE BUILDING CONSTRUCTION SO THAT THE BID INCLUDES ALL THAT IS NECESSARY FOR THE COMPLETION OF THE WORK.
3.	ALL WORK MUST CONFORM TO THE MINIMUM REQUIREMENTS OR BETTER OF THE ONTARIO BUILDING CODE, STANDARDS, LOCAL BY-LAWS, AND TO THE SATISFACTION OF THE LOCAL INSPECTION AUTHORITIES HAVING JURISDICTION.
4.	OBTAIN ALL REQUIRED PERMITS, LICENSES, CERTIFICATES OF INSPECTION, ETC. AND PAY ALL ASSOCIATED FEES. FURNISH CERTIFICATES AND DRAWINGS AS REQUIRED AS EVIDENCE THAT THE WORK INSTALLED CONFORMS WITH THE LAWS AND REGULATIONS OF ALL GOVERNING AUTHORITIES HAVING JURISDICTION.
5.	THIS CONTRACTOR SHALL STUDY THE DRAWINGS AND SPECIFICATIONS AND SHALL REPORT ANY ERRORS, INCONSISTENCIES, OR OMISSIONS TO THE ENGINEER BEFORE BIDDING. DO NOT PROCEED IN UNCERTAINTY.
6.	PROVIDE WRITTEN GUARANTEE AGAINST DEFECTS OF ALL MATERIAL AND WORKMANSHIP FOR ALL NEW MECHANICAL WORK AND EQUIPMENT, INCLUDING MANUFACTURERS' GUARANTEES, FOR THE PERIOD OF MINIMUM TWO YEARS FROM THE DATE OF FINAL ACCEPTANCE.
7.	THE FOLLOWING DOCUMENTS ARE REQUIRED TO BE SUBMITTED BY THE MECHANICAL CONTRACTOR TO THE MECHANICAL CONSULTANT. THE DOCUMENTS SHALL BE SUBMITTED AT THE COMPLETION OF THE PROJECT AND PRIOR TO FINAL CLOSEOUT DOCUMENTATION ISSUED FROM THE CONSULTANT.  SPRINKLER MATERIAL AND TEST CERTIFICATE. HVAC AIR BALANCING REPORT. BACK FLOW PREVENTION TEST REPORT. HVAC EQUIPMENT COMMISSIONING REPORTS.
8.	MECHANICAL CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO CONSULTANT FOR REVIEW PRIOR TO ORDERING EQUIPMENT.
9.	MAINTAIN LIABILITY INSURANCE TO PROTECT OWNER AND THE CONTRACTOR FROM ANY AND ALL CLAIMS UNDER THE WORKER'S COMPENSATION ACT.

GENERAL SPRINKLER NOTES	
1.	PROVIDE AND MODIFY SPRINKLER PROTECTION THROUGHOUT EXISTING TENANT SPACE. SPRINKLERS SHALL BE INSTALLED BY LICENSED CONTRACTOR AND IN ACCORDANCE WITH LATEST REQUIREMENTS OF LOCAL FIRE DEPARTMENT, NATIONAL FIRE PROTECTION ASSOCIATION (N.F.P.A.) #13, AND ONTARIO BUILDING CODE.
2.	LICENSED SPRINKLER CONTRACTOR SHALL PROVIDE APPROVED NEW GOOD QUALITY SPRINKLER HEADS AND COORDINATE WITH ALL OTHER TRADES FOR EACH HEAD LOCATION. ALSO REFER ELECTRICAL AND ARCHITECTURAL DRAWINGS FOR COORDINATION.
3.	PROVIDE SHOP DRAWINGS SHOWING PIPE SIZE, LOCATION OF SPRINKLER HEADS, CONNECTION TO EXISTING SYSTEM AND ALL REQUIRED HYDRAULIC CALCULATIONS AS REQUIRED BY LOCAL BUILDING DEPARTMENT.
4.	PROVIDE OPENING FOR NEW PIPES AND SEAL AT DRYWALL CEILINGS AND RATED WALLS WITH FIRE STOPPING AFTER PIPES ARE INSTALLED.
5.	PROVIDE SHOP DRAWING OF SPRINKLER HEAD FOR REVIEW AND APPROVAL.
6.	COORDINATE WITH THE OWNER WORK SCHEDULE AND OBTAIN APPROVAL PRIOR TO COMMENCING WORK.
7.	ALL DRAINAGE, CHARGING AND COMMISSIONING OF SPRINKLER SYSTEM SHALL BE DONE BY THIS CONTRACTOR. SUBMIT SCHEDULE OF WORK AND OBTAIN APPROVAL BEFORE COMMENCING WORK. PROVIDE VERIFICATION CERTIFICATE.
8.	MECHANICAL CONTRACTOR TO PROVIDE SPRINKLER TYPES AS FOLLOWS: - AREAS WITH CEILING, PENDENT TYPE SPRINKLER HEADS - AREAS WITH NO CEILING, UPRIGHT OR SIDEWALL SPRINKLER HEADS AS INDICATED. - MECHANICAL EQUIPMENT ROOMS: HIGH TEMPERATURE HEADS
9.	QUANTITY AND LOCATION OF SPRINKLER HEADS SHALL BE AS REQUIRED AND NOT ACCORDING TO REFLECTED CEILING PLANS. COORDINATE TO SUIT REFLECTED CEILING PLANS WHERE REQUIRED.
10.	PROVIDE ADDITIONAL SPRINKLER HEADS WHERE REQUIRED AND NEEDED TO COMPLY WITH CODE AND COVERAGE. THE DRAWINGS SHOW GENERAL HEAD LAYOUT AND SHALL NOT BE USED TO COUNT NUMBER OF HEADS.
11.	NEW SPRINKLER PIPING SHALL BE PAINTED ACCORDING TO LOCAL REQUIREMENTS AND TO MATCH EXISTING. PROVIDE MINIMUM OF TWO (2) COATS OF PAINT.
12.	PROVIDE NEW SPRINKLER HEAD AND RECONNECT TO EXISTING PIPING, AS PER NFPA 13, 6.2.1.1. WHEN A SPRINKLER HAS BEEN REMOVED FOR ANY REASON, IT SHALL NOT BE REINSTALLED.
13.	FIRE DEPARTMENT CONNECTION AS PER OBC 3.2.5.16 (3a) AND NFPA13 A.8.17.2 SHALL BE LOCATED ON THE OUTSIDE OF BUILDING NOT LESS THAN 450 mm (16") AND NOT MORE THAN 900 mm (36") ABOVE GROUND LEVEL.
14.	MECHANICAL CONTRACTOR SHALL PROVIDE SUITABLE BACKFLOW PREVENTER ON FIRE WATER SERVICE AS PER OBC 7.6.2.4, NFPA13 8.17.4.6, AND CANCSA B64-10 (2016) FOR NEW BUILDS (OR RENOVATION PROJECTS, IF BACKFLOW PREVENTER IS NOT PRESENT) WHETHER SHOWN OR CALLED OUT SPECIFICALLY ON DRAWINGS OR NOT.
15.	IN ELEVATOR MACHINE ROOMS, PROVIDE INTERMEDIATE TEMPERATURE SPRINKLER HEAD AND PROTECT IT AGAINST DAMAGE WITH A WIRE GUARD AS PER NFPA 13.
16.	AS PER NFPA 6.2.8, SPRINKLERS SUBJECT TO MECHANICAL INJURY SHALL BE PROTECTED WITH LISTED GUARDS.


GENERAL HVAC NOTES	
1.	ALL MATERIALS AND EQUIPMENT TO BE NEW AND FREE OF DEFECTS, AND SHALL BE C.S.A. APPROVED.
2.	ALL DUCT CONSTRUCTION SHALL ADHERE TO SMACNA HVAC DUCT CONSTRUCTION STANDARDS, METAL AND FLEXIBLE, 3rd EDITION.
3.	ALL DUCTWORK SHALL BE FABRICATED FROM LOCK FORMING G90 GALVANIZED STEEL SHEETS AND IN ACCORDANCE WITH CHAPTERS 2 AND 3 OF SMACNA HVAC DUCT CONSTRUCTION STANDARDS, METAL AND FLEXIBLE, 3rd EDITION.
4.	LONGITUDINAL SEAMS SHALL BE MADE WITH PITTSBURGH LOCK SEAMS IN ALL SIZES. TRANSVERSE JOINTS MAY BE S & DRIVE FOR DUCT PRESSURE CLASSES 12, 1, AND 2 IN WG, BUT MUST BE MINIMUM TDC FOR HIGHER PRESSURE CLASSES UNLESS SPECIFICALLY APPROVED BY ENGINEER.
5.	ALL BENDS OR ELBOWS SHALL BE MADE WITH A CENTERLINE RADIUS OF NOT LESS THAN 1.5 TIMES THE WIDTH OF THE DUCT UNLESS OTHERWISE APPROVED BY THE ENGINEER. WHERE THIS IS NOT POSSIBLE, SINGLE THICKNESS TURNING VANES AND SPLITTER VANES SHALL BE USED FOR SQUARE ELBOWS AND RADIUS ELBOWS, RESPECTIVELY, WITH CONSTRUCTION DETAILS ACCORDING TO CHAPTER 4 OF SMACNA HVAC DUCT CONSTRUCTION STANDARDS, METAL AND FLEXIBLE, 3rd EDITION.
6.	SEAL ALL DUCT FITTINGS AND JOINTS WITH APPROVED DUCT SEALANT TO SMACNA SEAL CLASS A FOR CONDITIONED SPACES AND SMACNA SEAL CLASS A FOR UNCONDITIONED SPACES. DUCT SEALANT MANUFACTURER SHALL BE DURO DYNE OR EQUAL.
7.	ALL GRILLES, REGISTERS, AND DIFFUSERS TO BE ALUMINUM CONSTRUCTION WITH WHITE POWER COAT UNLESS OTHERWISE SPECIFIED.
8.	DUCTWORK SHALL HAVE SUITABLE HANGERS FIRMLY SECURED TO STRUCTURE. HANGER SIZING, SPACING, CONSTRUCTION, AND INSTALLATION SHALL BE AS PER CHAPTER 5 OF SMACNA HVAC DUCT CONSTRUCTION STANDARDS, METAL AND FLEXIBLE, 3rd EDITION.
9.	PROVIDE BALANCING DAMPERS IN DUCTWORK WHERE SHOWN AND WHERE REQUIRED FOR PROPER ADJUSTMENT FOR AIR QUANTITIES. OPEN AND CLOSED POSITIONS MUST BE CLEARLY MARKED. BALANCING DAMPERS SHALL BE SINGLE BLADE ROUND BUTTERFLY, MINIMUM 20 GA. WITH LOCKING QUADRANT, UNLESS OTHERWISE SPECIFIED.
10.	SPLITTER DAMPERS SHALL NOT BE USED UNLESS APPROVED BY ENGINEER. IF ALLOWED, THEY SHALL BE AIRFOIL SHAPE DOUBLE THICKNESS, OF GAUGE HEAVIER THAN DUCT, WITH LOCKING QUADRANT ON EXTERIOR OF DUCT.
11.	ALL DAMPERS INSIDE DUCTWORK SHALL BE SUITABLY REINFORCED TO PREVENT CHATTERING OR VIBRATION.
12.	USE DUCT SIZES AS SHOWN. IF NECESSARY DUE TO SITE CONDITIONS, DUCT SIZES MAY BE CHANGED IF THE NEW SIZES HAVE AN EQUIVALENT PRESSURE DROP PER UNIT LENGTH AS THE ORIGINALLY SPECIFIED SIZES. THE ASPECT RATIO MUST BE 3:1 OR BETTER FOR RECTANGULAR DUCTWORK, UNLESS SPECIFICALLY APPROVED BY ENGINEER.
13.	INDEPENDENT THIRD PARTY AIR BALANCING IS REQUIRED UNLESS OTHERWISE NOTED. BALANCE TERMINALS TO ±5% AND SYSTEM TO ±7.5% OF VALUES INDICATED. SUBMIT AIR BALANCING REPORT TO ENGINEER FOR REVIEW. BALANCING AGENCY MUST BE MEMBER OF AABC OR NEBB.
14.	DUCT THERMAL INSULATION TO BE 2" JOHNS MANVILLE TYPE 814 SPRINGGLAS FOR ALL EXTERIOR DUCTWORK. DUCT THERMAL INSULATION, IF SHOWN ON DRAWINGS OR OTHERWISE CALLED OUT TO BE 1-1/2" JOHNS MANVILLE MICROGLITE EQ FOR EXPOSED AND CONCEALED DUCTWORK THAT IS GOING THRU UNHEATED OR INDIRECTLY HEATED SPACES. REFER TO DUCT INSULATION SCHEDULE FOR DETAILS.
15.	MECHANICAL CONTRACTOR SHALL PROVIDE POLYURETHANE ALUMINIUM FLEXIBLE WEATHER-PROOFING JACKETING FOR ALL EXTERIOR DUCTWORK. REFER TO DUCT INSULATION SCHEDULE FOR ALL OPTIONS. PROVIDE DUCT SUPPORTS AS REQUIRED.
16.	DUCT ACOUSTIC INSULATION, IF SHOWN ON DRAWINGS OR OTHERWISE CALLED OUT, TO BE 1" JOHNS MANVILLE PERMACOTE UNACOUSTIC RC-HP, UNLESS OTHERWISE SPECIFIED. DUCT DIMENSIONS SHOWN ARE CLEAR INSIDE DIMENSIONS. INCREASE MARKED SIZE TO ACCOUNT FOR ACOUSTIC LINING AS REQUIRED.
17.	MAINTAIN TAPER ON DUCT FITTINGS FOR CONCENTRIC TRANSITION (TWO SIDED) AT MAXIMUM ANGLE OF 60° CONVERGING AND MAXIMUM ANGLE OF 45° DIVERGING. MAINTAIN ECCENTRIC TRANSITION (ONE SIDED) AT MAXIMUM ANGLE OF 30°.
18.	PROVIDE FIRE DAMPER AT ALL NEW PENETRATIONS THROUGH FIRE SEPARATIONS WITH NALOR INDUSTRIES MODEL SERIES D0100 OR D500 (DEPENDING ON FIRE-RATING OF ASSEMBLY BEING PENETRATED) OR APPROVED EQUAL AS REQUIRED BY UL 555 AND NFPA 90A.
19.	PROVIDE CANVAS FLEXIBLE DUCT CONNECTIONS TO ALL EQUIPMENT.
20.	IDENTIFY ALL FANS, RTU, UNIT HEATERS AND ALL OTHER EQUIPMENT BY A BLACK LAMACOID ENGRAVED NAMEPLATE WITH WHITE CORE, FIRMLY AFFIXED WITH SCREWS TO EACH UNIT.
21.	THE WORK SPECIFIED HEREIN SHALL ALSO BE IN ACCORDANCE WITH THE BUILDING MODEL NATIONAL BUILDING CODE. MECHANICAL EQUIPMENT SHALL COMPLY WITH SUPPLEMENTARY STANDARDS SB-10 OF THE ONTARIO BUILDING CODE.
22.	WHEN ROOFTOP UNITS ARE BEING REPLACED, REUSE EXISTING ROOF PENETRATIONS FOR NEW ROOFTOP UNITS UNLESS OTHERWISE NOTED. REWORK ROOF PENETRATIONS AS REQUIRED. PROVIDE NEW ROOF CURB OR ROOF CURB ADAPTER AS APPROPRIATE UNLESS OTHERWISE NOTED. STRUCTURAL VERIFICATION WILL BE REQUIRED. PROPOSED INSTALLATION MUST BE REVIEWED AND SIGNED OFF BY STRUCTURAL ENGINEER. MECHANICAL CONTRACTOR SHALL RETAIN SERVICES OF STRUCTURAL ENGINEER AND CARRY ALL ASSOCIATED COSTS.

CONSULTANT



Rombald Inc.  
Engineers Specializing in Building Services

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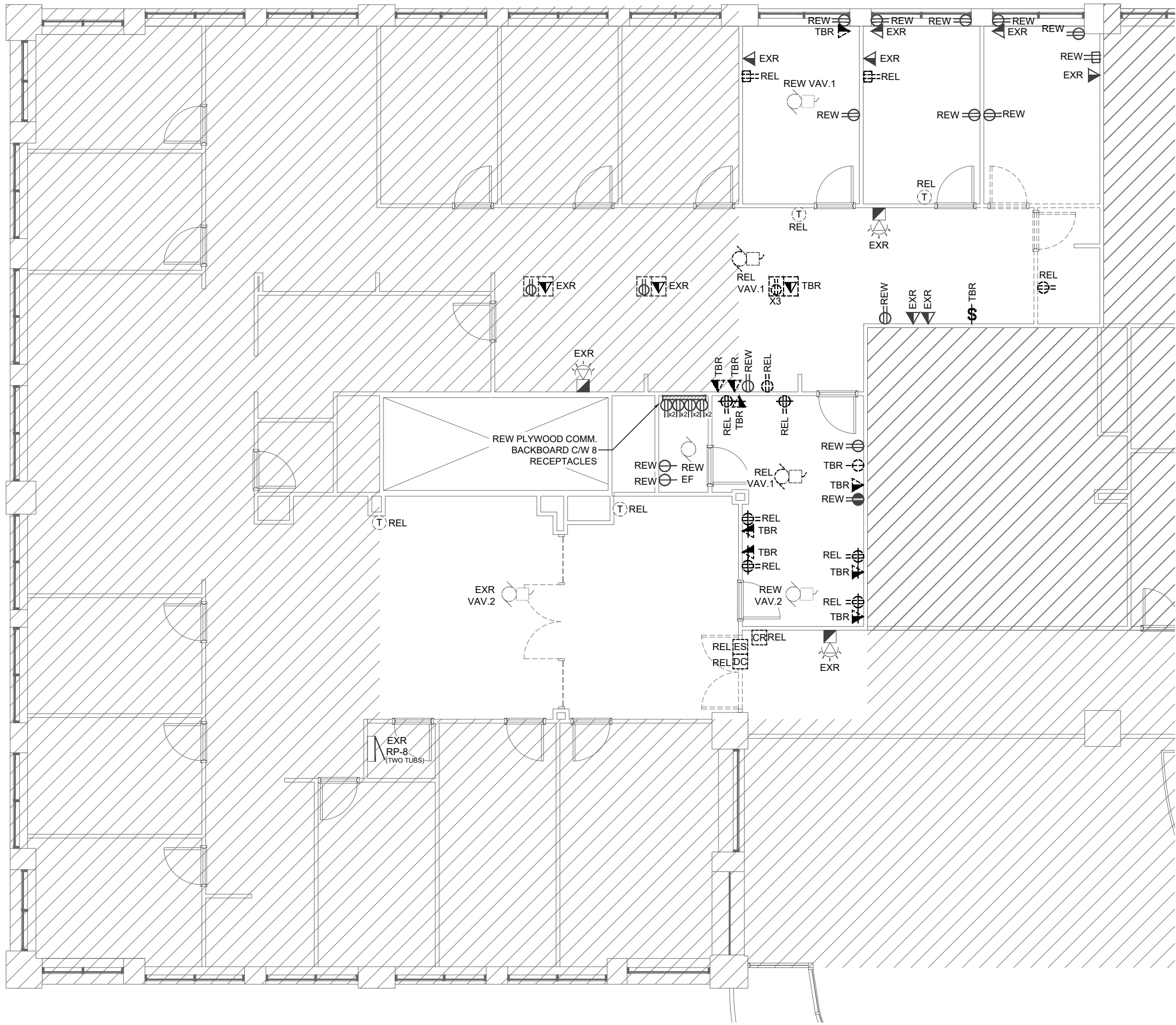
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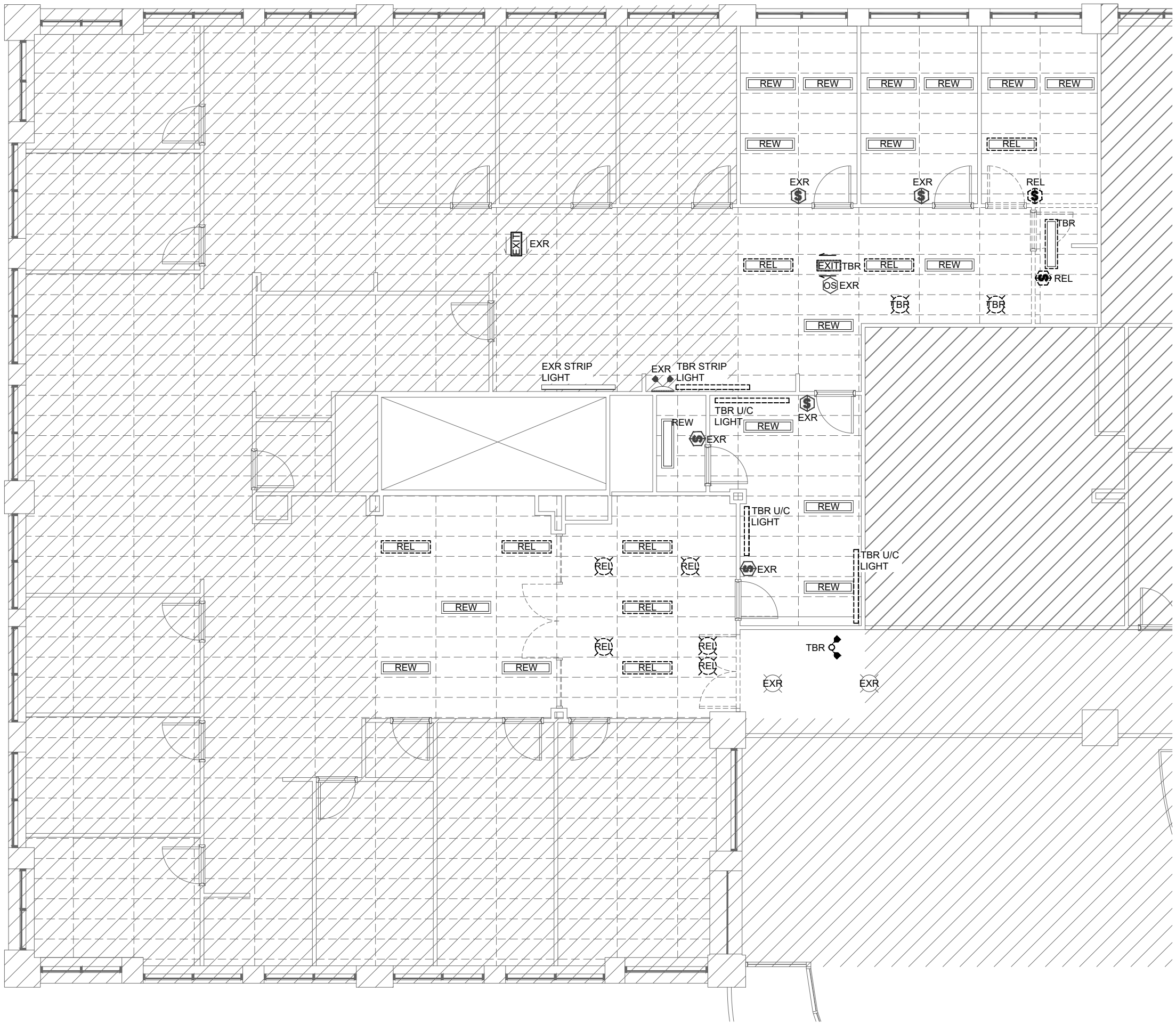
DRAWING TITLE:  
**MECHANICAL NOTES & DETAILS**

DRAWN BY: J.V.	CHECKED BY: R.M.	APPROVED BY: T.N.
SCALE: AS NOTED	SHEET SIZE: ARCH D	
PROJECT #: 21-161	SHEET #: M2.1	





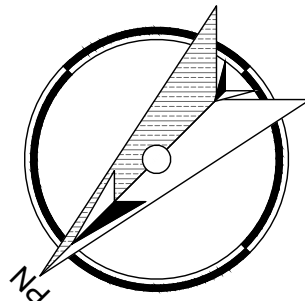
1 2ND FLOOR POWER & SYSTEMS DEMOLITION PLAN  
E1.1 1:100



2 2ND FLOOR LIGHTING SYSTEMS DEMOLITION PLAN  
E1.1 1:100

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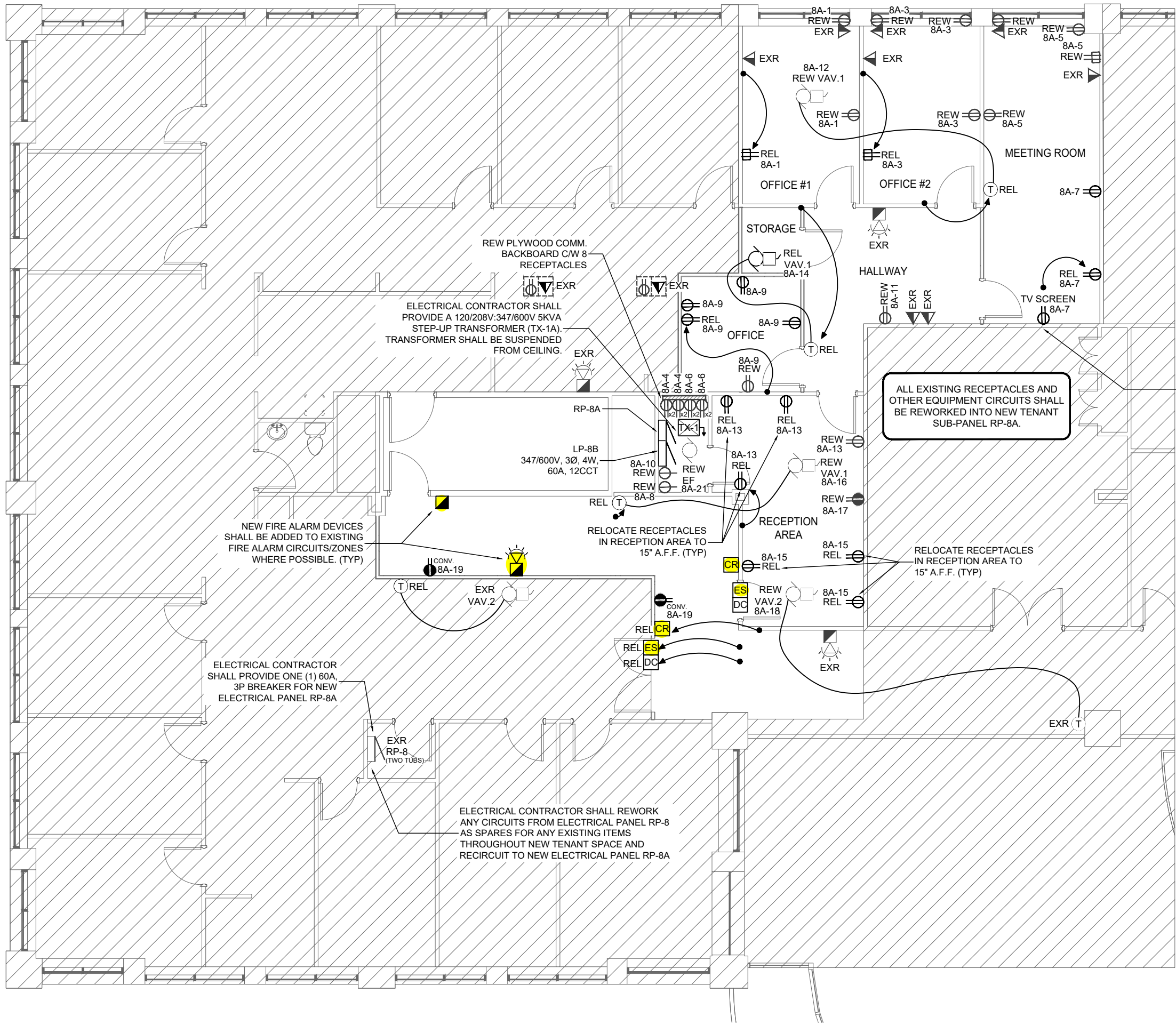
Partial 2nd Floor Renovation  
Waterloo City Hall  
100 REGINA ST.  
WATERLOO, ON

DRAWING TITLE:  
**2ND FLOOR  
ELECTRICAL  
DEMOLITION PLANS**

DRAWN BY: A.DOERBECKER	CHECKED BY: B.WIRZBA	APPROVED BY: D.SARGENT
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SCALE: <b>AS NOTED</b>	SHEET SIZE: <b>ARCH D</b>
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PROJECT #: <b>21-161</b>	SHEET #: <b>E1.1</b>
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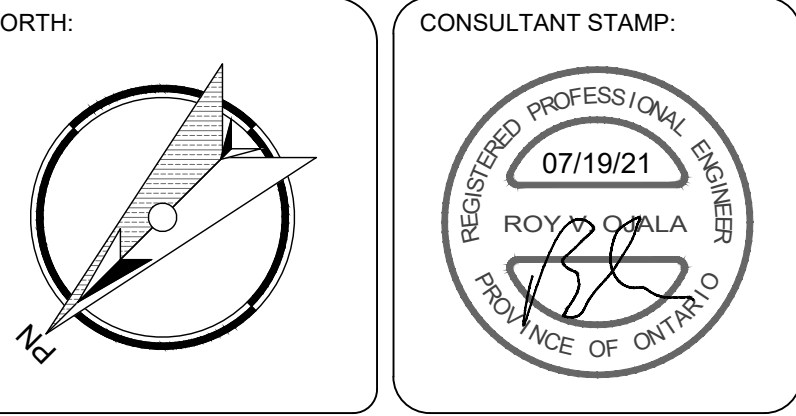
1 2ND FLOOR POWER & SYSTEMS PLAN  
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2 2ND FLOOR LIGHTING SYSTEMS PLAN  
E2.1 1:100



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Partial 2nd Floor Renovation  
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DRAWING TITLE:  
**2ND FLOOR  
ELECTRICAL PLANS**

DRAWN BY: A.DOERBECKER	CHECKED BY: B.WIRZBA	APPROVED BY: D.SARGENT
SCALE: AS NOTED	SHEET SIZE: ARCH D	
PROJECT #: 21-161	SHEET #: E2.1	



- GENERAL CONDITIONS:**
- 631 THE CANADIAN STANDARD FORM OF CONSTRUCTION CONTRACT AND GENERAL CONDITIONS GOVERNING THE SAME CODE ARTICLES 1 TO 45 INCLUSIVE ARE HEREBY MADE A PART OF THIS SPECIFICATION.
- 632 ALL WORK SHALL BE IN FULL ACCORDANCE WITH THE REQUIREMENTS OF THE ONTARIO ELECTRICAL CODE, LOCAL POWER COMMISSION AND THE LOCAL INSPECTION DEPARTMENT REQUIREMENTS.
- 633 ELECTRICAL CONTRACTOR SHALL INCLUDE FOR GENERAL ESA FEES. ELECTRICAL CONSULTANT WILL BE RESPONSIBLE FOR ANY ASSOCIATED FEES FOR THE ESA PLAN REVIEW.
- 634 THIS CONTRACTOR SHALL MAINTAIN ADEQUATE LIABILITY INSURANCE.
- 635 ALL WORKMANSHIP SHALL BE EXECUTED TO A STANDARD DETERMINED BY GOOD PRACTICE. THE ELECTRICAL CONTRACTOR SHALL GUARANTEE THE INSTALLATION FOR ONE YEAR.
- 636 THE ELECTRICAL CONTRACTOR SHALL SUBMIT ONE (1) SET OF SHOP ELECTRONIC DRAWINGS TO THE ENGINEER. MATERIALS SHALL NOT BE ORDERED UNTIL REVIEW HAS BEEN COMPLETED. APPROVAL IS FOR GENERAL DESIGN AND ARRANGEMENT ONLY.
- 637 THE OWNERS RESERVE THE RIGHT TO ALTER THE LOCATION OF ANY ITEM UP TO TEN (10) FEET (3M) WITHOUT INCURRING AN EXTRA COST, PROVIDED HE DOES SO BEFORE THE ITEM IS INSTALLED.
- 638 ALL MATERIAL AND EQUIPMENT USED ON THIS PROJECT SHALL BE C.S.A. APPROVED.
- 639 THE CUTTING AND PATCHING FOR ELECTRICAL WORK SHALL BE DONE BY THE GENERAL CONTRACTOR AT THE ELECTRICAL CONTRACTOR'S EXPENSE.
- 640 THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE TO FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS BEFORE SUBMITTING HIS TENDER PRICE.
- 641 ALL DIMENSIONS SHALL BE TAKEN FROM THE ARCHITECTURAL DRAWINGS.
- 642 THE ELECTRICAL CONTRACTOR SHALL SUPPLY ALL LABOUR AND MATERIALS TO PROVIDE ELECTRIC SERVICE COMPLETE WITH ALL BRANCH CIRCUITS AND FINAL CONNECTIONS TO ALL ELECTRICAL EQUIPMENT AS SHOWN ON PLANS.
- 643 MOUNTING HEIGHTS SEE DESIGNER DRAWINGS FOR MOUNTING HEIGHTS
- 644 INCLUDE PROVISION OF FIVE (5) ADDITIONAL RECEPTACLES AND FIVE (5) ADDITIONAL TELEPHONE/DATA OUTLETS INCLUDE FOR ONE 15A, 1P BREAKER, CONDUIT AND CIRCUITING TO SUIT RECEPTACLES.
- 645 PROVIDE LABELLING OF ALL ELECTRICAL DEVICES AND EQUIPMENT.
- 646 ALL COMMUNICATION CABLE AND CONTROL WIRING SHALL BE FT-6 (CMP) RATED RUNNING THROUGH RETURN AIR PLENUM. COMMUNICATION CABLE AND CONTROL WIRING SHALL BE FT-4 (CMP) RATED RUNNING THROUGH CEILING SPACE NOT BEING USED AS A RETURN PLENUM OR COMPLETELY IN CONDUIT FROM END TO END.
- 647 ELECTRICAL CONTRACTOR SHALL COORDINATE AND FACILITATE ALL POWER AND COMMUNICATION SERVICES TO BUILDING. COORDINATE WITH LOCAL PUC AND COMMUNICATION VENDORS AS REQUIRED. ALL COORDINATION SHALL BE COMPLETED PRIOR TO INSTALLATION OF CONDUITS/EQUIPMENT. NOTIFY CONSULTANT OF ANY DISCREPANCIES.
- 648 THE FOLLOWING DOCUMENTS ARE REQUIRED TO BE SUBMITTED BY THE ELECTRICAL CONTRACTOR TO THE ELECTRICAL CONSULTANT WHERE APPLICABLE. THE DOCUMENTS SHALL BE SUBMITTED AT THE COMPLETION OF THE PROJECT AND PRIOR TO FINAL CLOSEOUT DOCUMENTATION IS ISSUED FROM THE CONSULTANT.
- EMERGENCY LIGHTING TEST LETTER
  - FIRE ALARM VERIFICATION REPORT & CERTIFICATE
  - ESA FINAL CERTIFICATE

- GENERAL LIFE SAFETY:**
- 649 ELECTRICAL CONTRACTOR SHALL PROVIDE CIRCUITS FOR ALL NEW EXIT LIGHTING WHERE SHOWN. CIRCUIT SHALL BE FED FROM HOUSE PANEL. (SEE PANEL DIRECTORIES). PROVIDE BREAKER LOCK AND PAINTED YELLOW BREAKER. IDENTIFY CIRCUIT ON PANEL DIRECTORY.
- 650 ALL EXIT LIGHTING SHALL BE FED FROM CIRCUIT AS INDICATED AND FROM BATTERY UNITS AS INDICATED.
- 651 ELECTRICAL CONTRACTOR TO PROVIDE 1/2 HOUR TEST OF NEW EXIT SIGNS AND EMERGENCY LIGHTING. ONCE TESTED, PROVIDE A LETTER TO ROMBALD INC. STATING A SUCCESSFUL 1/2 HOUR TEST WAS COMPLETED.
- 652 ELECTRICAL CONTRACTOR SHALL PROVIDE FIRE STOPPING TO ALL WALLS AFFECTED BY ELECTRICAL EQUIPMENT PENETRATING SUCH WALLS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF FIRE RATED WALLS.
- 653 EXIT LIGHTING IS TO BE PROVIDED WITHIN THE UNBUILDING IN ACCORDANCE WITH SUBSECTIONS 3.4.5 AND 3.2.7 OF THE ONTARIO BUILDING CODE.

- GENERAL LIGHTING NOTES:**
- 654 ELECTRICAL CONTRACTOR SHALL PROVIDE ALL ACCESSORIES, POWER PACKS AND HARDWARE FOR A COMPLETE LIGHTING CONTROL SYSTEM.

- GENERAL POWER NOTES:**
- 655 COVER PLATES FOR COMMERCIAL & COMMON AREA RECEPTACLES REQUIRING COVER PLATES SHALL BE STAINLESS STEEL TYPE USING LEVITON STYLE-LINE DECORATOR SERIES. USE CATALOGUE # 5746-N.
- 656 RECEPTACLE OUTLETS FOR COMMERCIAL & COMMON AREA SHALL BE OF WHITE SPECIFICATION GRADE AND RATED FOR 120V USING LEVITON MANUFACTURER:
- a) 15A, 1P - CATALOGUE # 16262-W
  - b) 20A, 1P T-SLOT - CATALOGUE # 16342-W
  - c) 15A, 1P GFCI - CATALOGUE # 1699-W
  - d) 20A, 1P GFCI - CATALOGUE # 7899-W
  - e) 20A, 1P PRINTER - CATALOGUE # 5362-S-BU
  - f) 15A, 1P G.S. RECEPTACLE - CATALOGUE # M1626-IG
  - g) 15A, 1P EMERGENCY RECEPTACLE - CATALOGUE # M1626-IGR

- FIRE ALARM NOTES:**
- 657 ELECTRICAL CONTRACTOR SHALL LOCATE AND REVIEW THE EXISTING FIRE ALARM PANEL ON SITE.
- 658 ELECTRICAL CONTRACTOR SHALL PROVIDE AN IDENTIFYING LABEL SECURELY ATTACHED TO FRONT COVER PLATE OF EACH END OF LINE DEVICE INDICATING ZONE SERVED.
- 659 NEW FIRE ALARM DEVICES SHALL BE CONNECTED TO EXISTING FIRE ALARM CIRCUITS.
- 660 ELECTRICAL CONTRACTOR SHALL PROVIDE VERIFICATION OF NEW FIRE ALARM DEVICES. SUBMIT TECHNICIAN NOTES AND VERIFICATION REPORT TO CONSULTANT FOR REVIEW.
- 661 ALL MODIFICATIONS AND ADDITIONS TO THE FIRE ALARM SYSTEM ARE TO BE DESIGNED, INSTALLED AND TESTED IN ACCORDANCE WITH SUBSECTION 3.2.4 OF THE ONTARIO BUILDING CODE. NOTE: FINAL ACCEPTANCE OF THE FIRE ALARM SYSTEMS AUDIBILITY WILL BE SUBJECT TO A FIELD TEST.
- 662 FIRE ALARM DEVICES AND INSTALLATION SHALL CONFORM TO CANULC-S524-14.

**DISCLAIMER:**

1. CONDUIT TYPES AS NOTED ON DRAWING

2. DEVICE MOUNTING HEIGHTS TO CENTRE-LINE OF DEVICES UNLESS OTHERWISE NOTED ON PLANS. CONFIRM ALL MOUNTING HEIGHTS WITH ARCHITECTURAL PLANS PRIOR TO INSTALLATION. NOTIFY CONSULTANT OF ANY DISCREPANCIES.

ABBREVIATIONS			
TBR	TO BE REMOVED	REL	RELOCATED
EXR	EXISTING TO REMAIN	RAR	REMOVE AND RE-INSTALL
EX	EXISTING	AFF	ABOVE FINISHED FLOOR
CTE	CONNECT TO EXISTING	AGF	ABOVE GROUND FLOOR
OH	OVERHEAD	UF	UNDER FLOOR
ATG	ABOVE FINISHED GRADE	UG	UNDER GROUND
RPL	REPLACE EXISTING WITH NEW	REW	REWORKED FROM RP-8 TO RP-8A

ELECTRICAL LEGEND		
SYMBOL	DESCRIPTION	MTD HEIGHT
LIGHTING DEVICES		
	LIGHT FIXTURE (SURFACE MOUNTED TYPE AS PER SCHEDULE)	
	LIGHT FIXTURE (RECESSED MOUNTED TYPE AS PER SCHEDULE)	
	LIGHT FIXTURE (POT LIGHT/CEILING MOUNTED TYPE AS PER SCHEDULE)	

LIFESAFETY DEVICES		
	EMERGENCY EXIT - WALL MOUNTED	2300mm
	EMERGENCY EXIT - CEILING/PENDANT MOUNTED	2300mm
	DIRECTIONAL EMERGENCY EXITS	N/A
	EMERGENCY EXIT/REMOTE HEAD COMBO	N/A
	EMERGENCY LIGHT REMOTE HEADS (CEILING MOUNTED)	N/A
	EMERGENCY LIGHT REMOTE HEADS (WALL MOUNTED)	VARIOUS

LIGHTING CONTROL DEVICES		
	COMMERCIAL GRADE SINGLE-POLE SWITCH 15 AMP	1050mm
	WALL MTD. OCCUPANCY SENSOR	1050mm
	CEILING MTD. OCCUPANCY SENSOR-WATTSTOPPER DT-300 C/W BZ-250 POWER PACK	N/A
	BZ-250 POWER PACK	N/A

FIRE ALARM DEVICES		
	FIRE ALARM PULL STATION	1050mm
	HORN/STROBE COMBO	N/A

COMMUNICATION DEVICES		
	COMMUNICATION/TELEPHONE OUTLET	400mm
	COMMUNICATION OUTLET MOUNTED AT COUNTERTOP HEIGHT	175mm
	CARD READER	1100mm
	ELECTRIC STRIKE	N/A
	DOOR CONTACT	2400mm

POWER DEVICES		
	LOW VOLTAGE THERMOSTAT	MECH
	RECEPTACLE - DUPLEX (MECHANICAL RMS = 1400mm)	400mm
	RECEPTACLE- COUNTERTOP (ABOVE BACKSPASH)	175mm
	RECEPTACLE - SPECIAL	400mm
	RECEPTACLE - 20 AMP T-SLOT	400mm
	RECEPTACLE - COUNTERTOP 20 AMP T-SLOT (ABOVE BACKSPASH)	175mm
	RECEPTACLE - QUAD	400mm
	DUPLEX RECEPT. & COMM. OUTLET MOUNTED IN FLOOR BOX	N/A
	MOTOR	N/A
	DISCONNECT	N/A
	DISTRIBUTION PANEL - SURFACE MOUNTED (TO TOP)	1900mm
	DIRECT CONNECTION	N/A

DRAWING IDENTIFIERS		
	NOTE TAG IDENTIFIER	
	REFRIGERATION SYSTEM TAG	
	EQUIPMENT I.D. TAG	

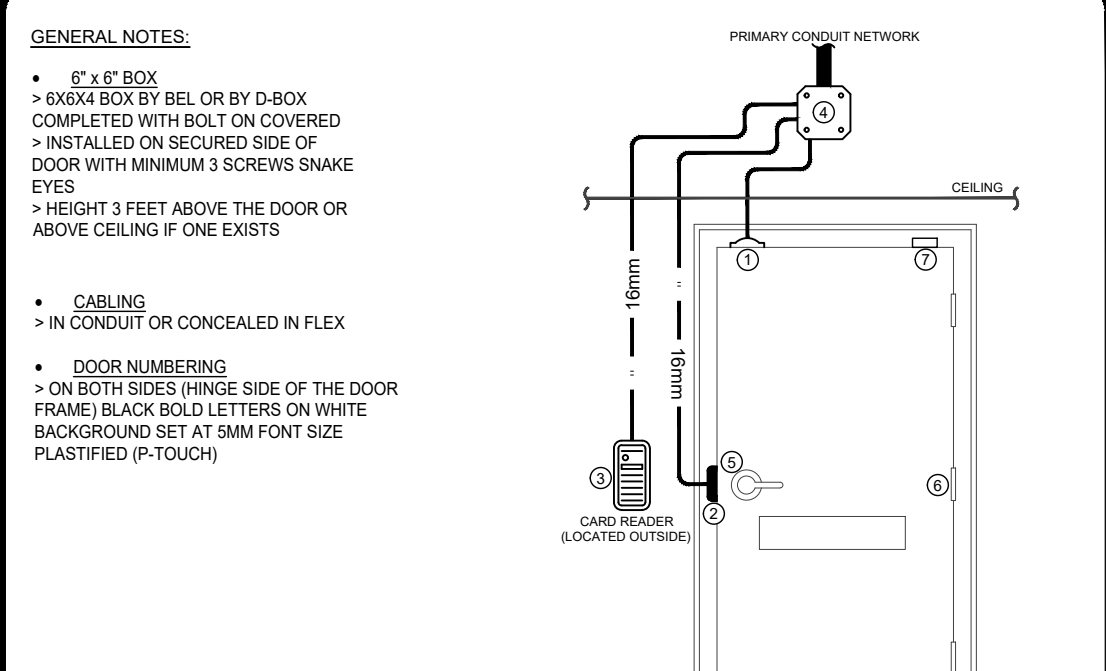
FIXTURE SCHEDULE											
TYPE	MANUFACTURE	MODEL	CATALOGUE NUMBER	NUMBER AND TYPE OF LAMPS	LAMP COLOR	VOLTAGE	MOUNTING	MOUNTING HEIGHT	REMARKS	ALTERNATE MANUFACTURE	TYPICAL LOCATION
X1	BEGHELLI	STELLA COMBO	SL-RM-12-36-L-U-QLR-M-2BTMR-LEDMR16-AT	(2) 5W LED	WHITE	120V	WALL	8'-0" A.F.F.	CONFIRM MOUNTING HEIGHT ON SITE, AIM HEADS AT PATHS OF EGRESS	EQUIVALENT	EXITS
X2	BEGHELLI	STELLA COMBO	SL-RM-12-36-L-U-QLR-M-2BTMR-LEDMR16-AT	(2) 5W LED	WHITE	120V	CEILING	N/A	AIM HEADS AT PATHS OF EGRESS	EQUIVALENT	EXITS
X3	BEGHELLI	STELLA RM	SL-RM-5P-U-QLR-M-AT	LED	GREEN	120V	WALL	8'-0" A.F.F.	CONFIRM MOUNTING HEIGHT ON SITE	EQUIVALENT	EXITS

- ELECTRICAL DEMOLITION NOTES:**
- 663 EXISTING ELECTRICAL ITEM IDENTIFIED AS "EXR" TO REMAIN AS SHOWN.
- 664 EXISTING ITEM IDENTIFIED AS "TBR" SHALL BE REMOVED FROM EXISTING WALL OR CEILING. REMOVE WIRING BACK TO SOURCE AND MAKE SAFE.
- 665 ELECTRICAL CONTRACTOR SHALL RELOCATE (REL) EXISTING ELECTRICAL ITEM TO NEW WALL OR CEILING AS SHOWN ON ELECTRICAL PLAN. EXTEND CONDUIT AND WIRING TO SUIT NEW LOCATION. EXISTING CIRCUIT TO BE RE-USED WHERE POSSIBLE.
- 666 ELECTRICAL CONTRACTOR SHALL VERIFY CIRCUITS NUMBERS FOR ALL REMAINING ELECTRICAL DEVICES. MARK-UP AS-BUILD DRAWINGS AND SUBMIT TO ELECTRICAL CONSULTANT FOR REVIEW.
- 667 EXISTING FIXTURES ARE TO REMAIN AS SHOWN. REWORK WIRING FROM EXISTING FIXTURES TO NEW LIGHTING CONTROL, AS SHOWN ON NEW ELECTRICAL PLAN. EXISTING FIXTURES ARE TO BE TIED WITH NEW FIXTURES AS SHOWN. EXACT MOUNTING LOCATION TO BE CONFIRMED WITH PROJECT MANAGER ON-SITE.
- 668 ELECTRICAL CONTRACTOR SHALL REMOVE ALL REDUNDANT ELECTRICAL AND COMMUNICATIONS CABLES FROM CEILING SPACES.
- 669 THE ELECTRICAL CONTRACTOR SHALL COMPLETELY REMOVE WIRING BACK TO SOURCE FOR ANY DEVICE/FIXTURE BEING DEMOLISHED.
- 670 IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO INVESTIGATE THE CEILING SPACES PRIOR TO TENDER AND INCLUDE TO REMOVE ALL REDUNDANT CABLES AND CONDUITS IN CEILING SPACE.

- POWER & SYSTEMS NOTES:**
- 671 ALL WALL MOUNTED DEVICES (IE: RECEPTACLES, VOICE AND DATA) ARE TO BE LEVITON DECOR SERIES. COLOURS TO BE DETERMINED BY ARCHITECT WHERE NOT NOTED IN DRAWINGS OR SPECIFICATIONS. COVER PLATES ARE TO BE STAINLESS STEEL.
- 672 RECEPTACLES FOR PRINTERS SHALL BE EQUAL TO LEVITON PART # 5362-S-BU AND SHALL BE BLUE IN COLOUR C/W STAINLESS STEEL PLATE.
- 673 ELECTRICAL CONTRACTOR SHALL PROVIDE 5-0R RECEPTACLE FOR ALL CORRIDOR CONVENIENCE RECEPTACLES.
- 674 ELECTRICAL CONTRACTOR SHALL PROVIDE PULL STRINGS FOR ALL EMPTY CONDUITS.
- 675 ELECTRICAL CONTRACTOR SHALL PROVIDE LABELING OF ALL ELECTRICAL DEVICES AND EQUIPMENT.
- 676 ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT AND ELECTRICAL BOXES FOR DOOR SECURITY. PROVIDE 21mm EMT CONDUIT FOR DOOR SECURITY. CABLES AND EQUIPMENT SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR.
- 677 THE SUCCESSFUL PROPONENT SHALL WORK WITH CITY'S SECURITY SYSTEM SUPPLIER RELATING TO ALL MATTERS INVOLVING EXPANDING THE ALARM SYSTEM AND/OR SECURITY SYSTEM FOR THE BUILDING. UPON CITY'S REQUEST, THE CORPORATE SECURITY STAFF MAY INPUT INTO THE ELECTRICAL ENGINEERING DESIGN AT ANY TIME FOR THE DURATION OF THE PROJECT FOR COORDINATION OF THE ALARM AND SECURITY SYSTEMS. THE CITY'S SECURITY SYSTEM SUPPLIER WILL CARRY OUT THE WIRING, PROGRAMMING AND TERMINATIONS RELATED TO THE ALARM SYSTEM ONLY. THE SUCCESSFUL PROPONENT SHALL WORK CLOSELY WITH THE CITY'S SUPPLIER AND SHALL ADJUST THE DESIGN, CONSTRUCTION AND THE SITE WORK SCHEDULE IN ORDER TO FACILITATE THE WORK OF THE CITY'S SECURITY SYSTEM SUPPLIER.
- 678 ALL EXISTING RECEPTACLES AND OTHER EQUIPMENT CIRCUITS SHALL BE REWORKED INTO NEW TENANT SUB-PANEL RP-8A.

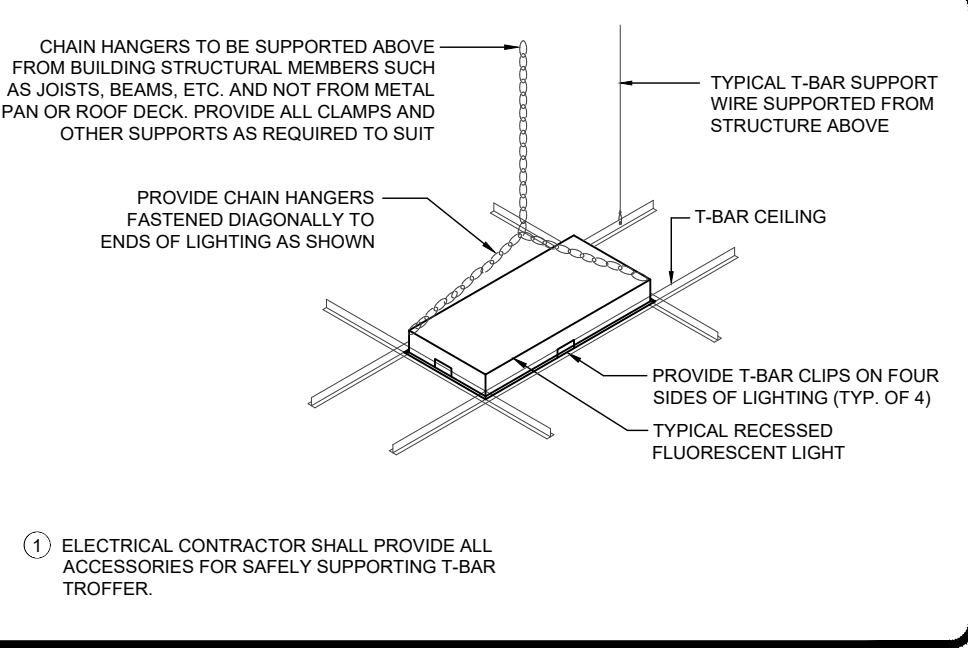
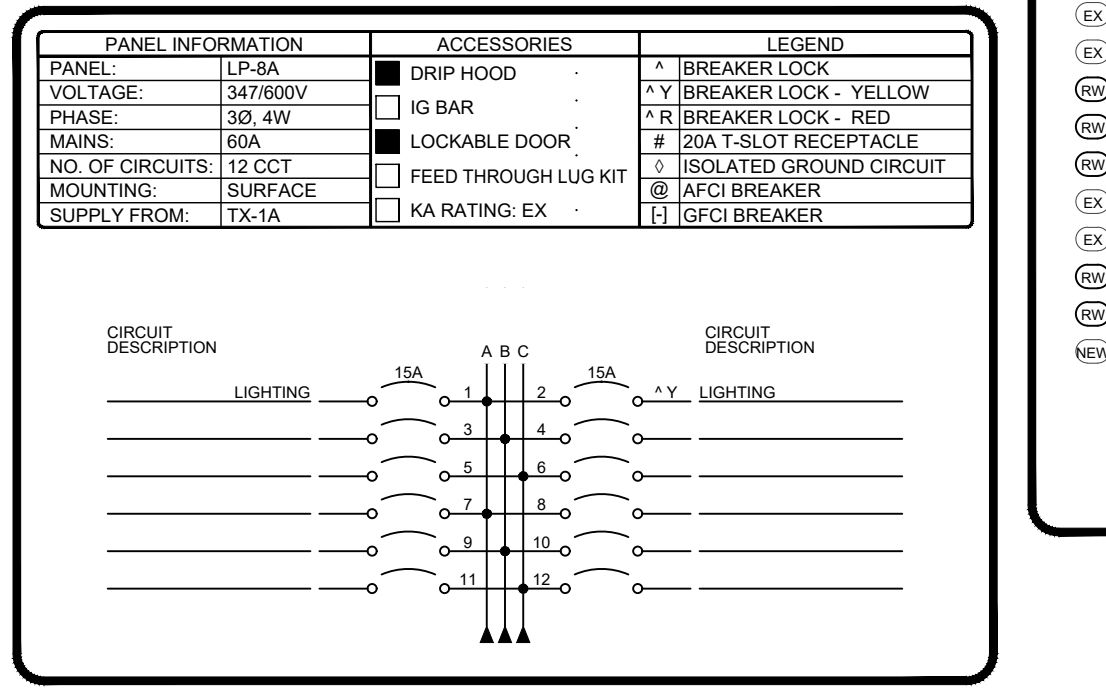
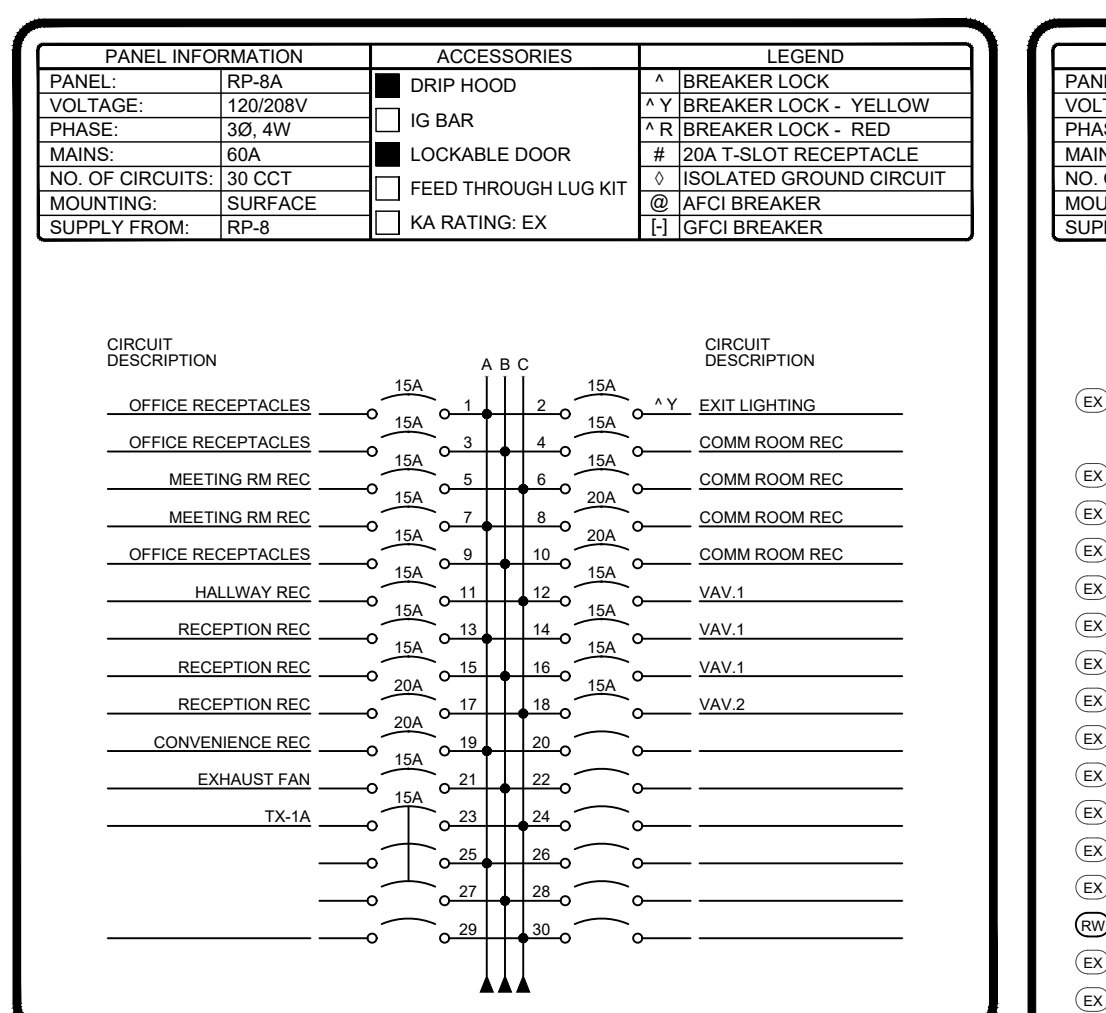
- FIRE ALARM NOTES:**
- 679 ELECTRICAL CONTRACTOR SHALL INSTALL NEW FIRE ALARM DEVICES ON EXISTING FIRE ALARM ZONE WHERE POSSIBLE. RELOCATE EXISTING END OF LINE RESISTORS AS REQUIRED.
- 680 PROVIDE NEW SIGNAL DEVICES TO MATCH EXISTING. NEW SIGNAL DEVICES SHALL BE ADDED TO EXISTING SIGNAL CIRCUIT.
- 681 BASED UPON LENGTH OF CIRCUIT RUN AND QUANTITY OF SIGNALS, CONTRACTOR IS TO CONFIRM WIRE SIZE FOR SIGNAL CIRCUIT WITH MANUFACTURER.
- 682 ELECTRICAL CONTRACTOR SHALL LOCATE FIRE ALARM PANEL ONCE ON-SITE.
- 683 AS PER ONTARIO BUILDING CODE RULE 3.2.4.5 FIRE ALARM SYSTEM SHALL BE INSTALLED IN CONFORMANCE WITH CANULC-S524 AND SHALL BE VERIFIED IN CONFORMANCE WITH CANULC-S537 TO ENSURE PROPER PERFORMANCE.

- LIFESAFETY NOTES:**
- 684 ELECTRICAL CONTRACTOR SHALL PROVIDE NEW EXIT LIGHTING AND EMERGENCY REMOTES AS SHOWN. REFER TO FIXTURE SCHEDULE AND POWER & SYSTEMS PLAN FOR FURTHER INFORMATION. ALL LOCATIONS TO BE COORDINATED WITH LIGHTING FIXTURES ON SITE.
- 685 ELECTRICAL CONTRACTOR SHALL ENSURE THE BREAKER FEEDING THE EXIT FIXTURES SHALL BE ON BREAKER LOCK AND PAINTED YELLOW IN COLOR.
- 686 ELECTRICAL CONTRACTOR SHALL ENSURE ALL EMERGENCY HEADS ARE POINTED AT PATHS OF EGRESS.

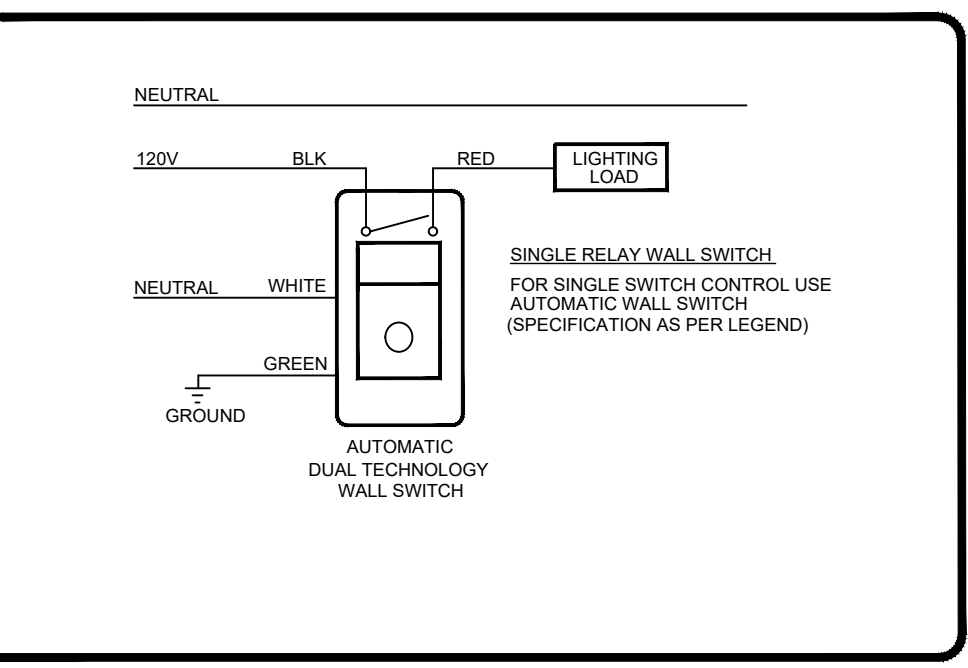


- GENERAL DOOR SECURITY NOTES:**
- 1) INTERIOR DOOR WITH AN ELECTRIC STRIKE. ACCESS IS GRANTED WHEN A CARD WITH THE PROPER ACCESS LEVELS IS PRESENTED TO THE CARD READER LOCATED OUTSIDE. DURING EGRESS, THE DOOR ALARM IS BYPASSED. ELECTRIC STRIKES ARE FAIL SAFE & FAIL SECURE, WHICH MEANS THEY WILL PROVIDE FREE EXIT, BUT MAINTAIN A LOCKED CONDITION FROM OUTSIDE. THE DOOR CAN BE AUTOMATICALLY UNLOCKED BY THE PANEL IN THE EVENT OF A FIRE ALARM.
- 2) THIS DOOR CAN BE PROGRAMMED FOR FREE ACCESS PERIODS. DURING THE UNLOCKED SCHEDULE THE DOOR CAN BE EITHER IN THE CLOSED OR OPEN POSITION WITH THE ELECTRIC STRIKE ENGAGED. DURING THE LOCKED SCHEDULE AN INTERNAL SOUNDER WILL ACTIVATE IF THE DOOR IS FORCED OPEN OR IF THE DOOR IS HELD Ajar LONGER THAN THE PROGRAMMED PERIOD (E.G. 30 SECONDS). A SECURITY ALARM WILL BE ANNUNCIATED AT THE SECURITY WORK STATION AND CAN BE TRANSMITTED TO CENTRAL STATIONS AND/OR PAGES.
- 3) ELECTRICAL CONTRACTOR SHALL COORDINATE WITH SECURITY DRAWINGS FOR DIMENSIONAL INFORMATION, DOOR LAYOUTS AND DEVICE HEIGHTS.
- 4) CONDUIT SHALL BE SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR. CABLES SHALL BE SUPPLIED AND INSTALLED BY SECURITY CONTRACTOR.
- 5) ALL DEVICES SHALL BE SUPPLIED AND INSTALLED BY SECURITY CONTRACTOR.
- ACCESS CABLE**
8. 3P, 18AWG, SHIELDED;  
C. COMBO - 4C, 18 AWG, SHIELDED;  
3P, 22 AWG, SHIELDED;  
21C, 22 AWG, SHIELDED;  
4C, 22 AWG, SHIELDED;
- 

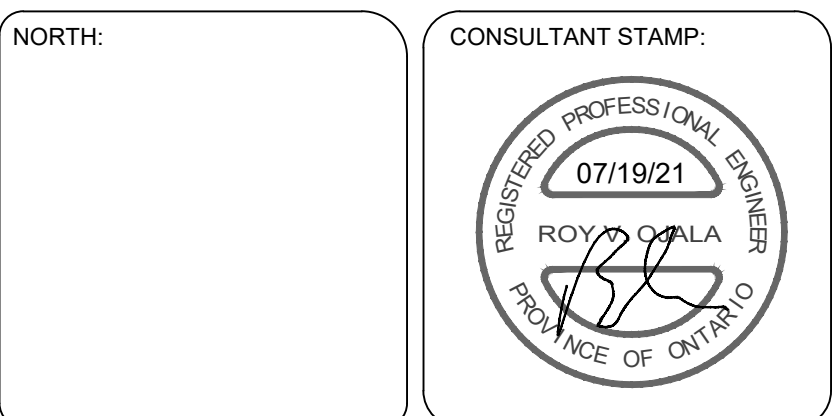
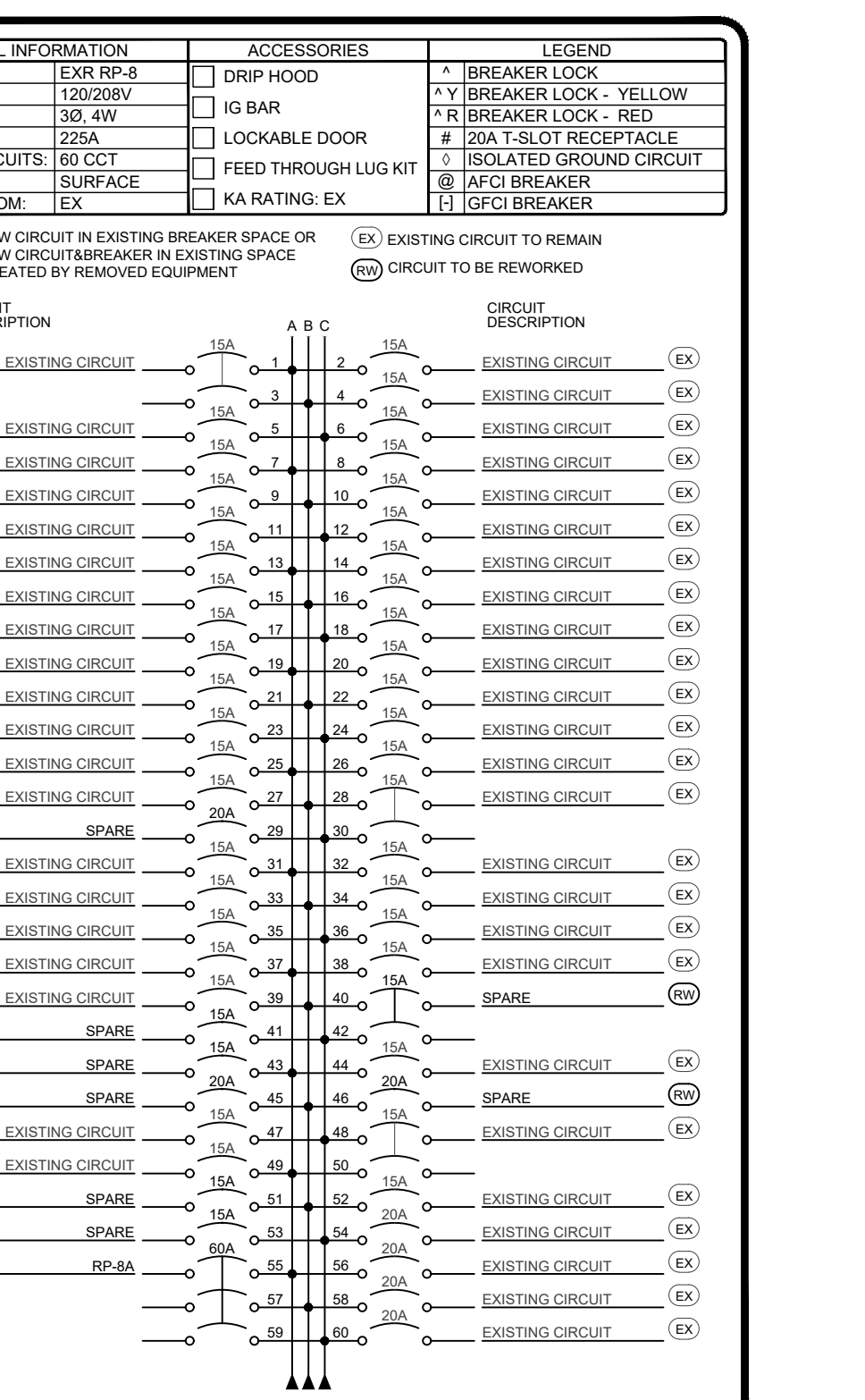
1 SECURITY DOOR DETAIL  
E3.1 NTS



2 T-BAR MOUNTING FOR TROFFERS DETAIL  
E3.1 NTS



3 AUTOMATIC WALL SENSOR WIRING  
E3.1 NTS



3	ISSUED FOR PERMIT / TENDER	07/19/21
2	ISSUED FOR COORDINATION	07/15/21
1	ISSUED FOR 50% REVIEW	07/09/21
#	DESCRIPTION	MM/DD/YY

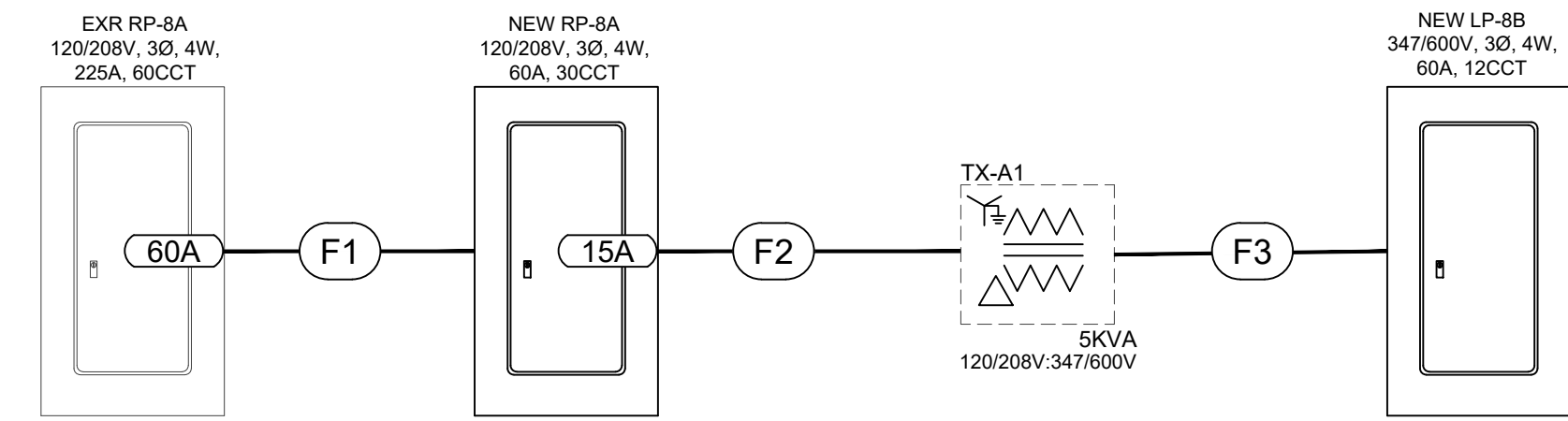
Partial 2nd Floor Renovation  
Waterloo City Hall  
100 REGINA ST.  
WATERLOO, ON

DRAWING TITLE:  
**ELECTRICAL NOTES & SCHEDULES**

DRAWN BY: A.DOERBECKER  
CHECKED BY: B.WIRZBA  
APPROVED BY: D.SARGENT

SCALE: AS NOTED  
SHEET SIZE: ARCH D  
PROJECT #: 21-161  
SHEET #: E3.1





CONDUIT FEEDER SCHEDULE

FEEDER DESIGNATION	PARALLEL RUNS	# OF CONDUCTORS	CONDUCTOR SIZE	CONDUCTOR TYPE	CONDUIT SIZE	CONDUIT TYPE	BOND CONDUCTOR SIZE	PRIMARY FUSE/BREAKER SIZE	REMARKS
F1	N/A	4	#6	RW-90 CU	27mm	EMT	OESC	60A	FROM RP-8 TO RP-8A
F2	N/A	3	#12	RW-90 CU	21mm	EMT	OESC	15A	FROM RP-8A TO TX-1A
F3	N/A	4	#12	RW-90 CU	21mm	EMT	OESC	-	FROM TX-1A TO LP-8B

- NOTES:
- ELECTRICAL CONTRACTOR SHALL USE ONLY COPPER CONDUCTORS. ALUMINIUM CONDUCTORS ARE NOT ACCEPTABLE, UNLESS OTHERWISE NOTED.
  - ELECTRICAL CONTRACTOR SHALL PROVIDE ENGRAVED LAMACIODS FOR ALL PANELS.
  - ELECTRICAL CONTRACTOR SHALL PROVIDE DRIPHOODS FOR ALL SWITCHBOARDS AND SURFACE MOUNTED PANELS IN SPRINKLERED AREAS (IF APPLICABLE).
  - PROVIDE FUSING OR BREAKERS AS SHOWN FOR SIZE AND TYPE.
  - ELECTRICAL CONTRACTOR SHALL PROVIDE THREE (3) SPARE FUSES OF EACH SIZE.
  - ELECTRICAL CONTRACTOR SHALL PROVIDE BONDING CONDUCTORS AS PER SECTION 10 IN OESC 2018.
  - ELECTRICAL CONTRACTOR SHALL ENSURE THAT NEW BREAKERS BE SUITABLY RATED FOR THE SAME VOLTAGE AS THAT OF THE PANEL BOARD.
  - ALL PANELS SHALL BE EQUIPPED WITH LOCKABLE DOORS.
  - ELECTRICAL CONTRACTOR SHALL SUSPEND TRANSFORMERS AS NOTED, REFER TO TRANSFORMER SUSPENSION DETAIL. ALL TRANSFORMERS SHALL MEET CMO2.2 STANDARDS FOR DRY TYPE TRANSFORMERS.
  - ELECTRICAL CONTRACTOR SHALL REFER TO PANEL SCHEDULES FOR BREAKER QUANTITIES AND PANEL LOCATIONS AS SHOWN ON POWER & SYSTEMS PLAN. PROVIDE PRINTED PANEL DIRECTORIES (NOT HAND WRITTEN) FOR ALL PANELS.

ELECTRICAL DISTRIBUTION DIAGRAM

NTS

CONSULTANT



NORTH:

CONSULTANT STAMP:



3	ISSUED FOR PERMIT / TENDER	07/19/21
2	ISSUED FOR COORDINATION	07/15/21
1	ISSUED FOR 50% REVIEW	07/09/21
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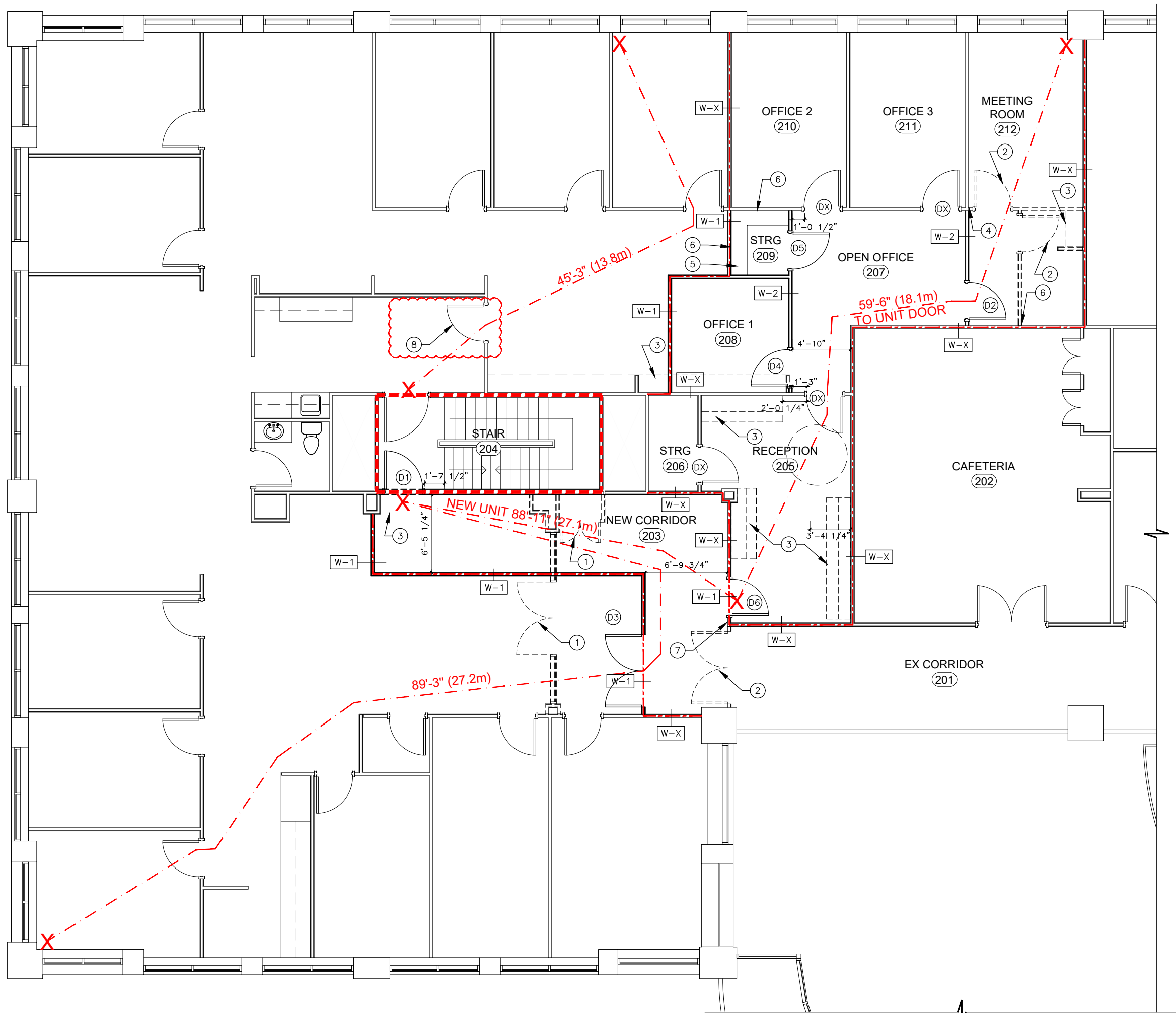
DRAWING TITLE:  
**ELECTRICAL  
DISTRIBUTION  
DIAGRAM**

DRAWN BY: A.DOERBECKER	CHECKED BY: B.WIRZBA	APPROVED BY: D.SARGENT
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SCALE: AS NOTED	SHEET SIZE: ARCH D
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PROJECT #: 21-161	SHEET #: E3.2
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1 DEMO/PARTITION PLAN  
A1 SCALE: 1/8"=1'-0"

GENERAL NOTES:

- A. ALL CRITICAL DIMENSIONS TO BE SITE VERIFIED PRIOR TO CUTTING OR REMOVING PARTITIONS. CONTRACTOR TO CONSULT DESIGNER REGARDING ANY DISCREPANCIES NOTED ON SITE.
- B. DIMENSIONS ARE TO FACE OF GYPSUM BOARD FOR NEW PARTITION WALLS.
- C. PARTITION DIMENSIONS AND LAYOUT MAY VARY SLIGHTLY DUE TO EXISTING SITE CONDITIONS. CONTRACTOR TO MARK ALL NEW PARTITIONS ON FLOOR AND VERIFY ALL ANGLES AND DIMENSIONS WITH DESIGNER PRIOR TO COMMENCING WORK.
- D. EXISTING PARTITION WALLS AFFECTED BY DEMOLITION TO BE PATCHED AND MADE GOOD FOR NEW PAINT FINISH.
- E. EXISTING EXIT SIGNS AND EMERGENCY LIGHTS TO REMAIN OR BE RELOCATED TO SUIT NEW LAYOUT. GENERAL CONTRACTOR SHALL ENSURE THAT EMERGENCY LIGHT LEVELS MEET OR EXCEED MINIMUM SAFETY STANDARDS.
- F. ANY CONFLICTS BETWEEN MECH. SYSTEMS COMPONENTS & LIGHTING LOCATIONS TO BE RESOLVED ON SITE WITH DESIGNER & CONTRACTOR.
- G. REFER TO ELECTRICAL ENGINEER'S DRAWINGS FOR FINAL LIGHTING SPECIFICATIONS.
- H. FOR NEW EXIT SIGNS AND EMERGENCY LIGHTS REFER TO ELECTRICAL DRAWINGS.
- I. ALL INTERIOR WALL AND CEILING FINISHES SHALL HAVE A MAXIMUM FLAME SPREAD RATING OF 150 TESTED IN ACCORDANCE WITH CAN/ULC-S102 AS PER CBC 3.1.12. AND 3.1.13.

BARRIER FREE DESIGN:

1. AREA OF WORK IS IN AN EXISTING ACCESSIBLE BUILDING. ALL CONSTRUCTION IS TO CONFORM TO OBC SECTION 3.8 BARRIER-FREE DESIGN.

TRAVEL DISTANCES:

1. PATH OF TRAVEL SHOWN THUSLY:  $\times$ --- $\times$  (XX.Xm)  $\times$
2. THE UNIT IS SPRINKLERED & LESS THAN 300m<sup>2</sup>. ONE EXIT DOOR IS ACCEPTABLE. TRAVEL DISTANCES ARE LESS THAN 25m [82'-0"] (IN ACCORDANCE WITH OBC REQUIREMENTS 3.3.1.5. AND TABLE 3.3.1.5.B)
3. TRAVEL DISTANCES ARE MEASURED TO THE EXIT DOOR AS PER 3.4.2.4.

WALL TYPES:

UNIT AND CORRIDOR WALLS ARE TO GO UP TO UNDERSIDE OF DECK. CONTRACTOR TO CONFIRM CONDITION OF EXISTING WALLS AND PROVIDE WORK NECESSARY TO MEET WALL TYPE REQUIREMENTS AS DETAILED BELOW.

1 HR FIRE SEPARATION WALLS INDICATED THUSLY:  $\times$ --- $\times$  SEPARATION WALLS INDICATED THUSLY:  $\times$ --- $\times$  SEPARATION WALLS AS PER 3.3.1.4. (4)(a) ARE NOT REQUIRED TO BE A FIRE SEPARATION IN A SPRINKLERED FLOOR AREA. PROVIDED TRAVEL DISTANCES ARE LESS THAN 45m [147'-7 1/8"]

EXISTING PARTITION WALL TO REMAIN.  
• EXISTING WALL STRUCTURE TO UNDERSIDE OF EXISTING CEILING  
• PROVIDE BAFFLES ABOVE CEILING TO UNDERSIDE OF DECK, AS PER W-1.

PROVIDE PARTITION WALL WITH  
• 1 LAYER OF 5/8" GWB ON BOTH SIDES OF  
• 3 5/8" METAL STUDS AT 16" O.C.  
• FILL CAVITY WITH SOUND ATTENUATION INSULATION.  
• PARTITION TO BE EXTENDED TO U/S OF CEILING.  
• PROVIDE BAFFLES FROM CEILING TO U/S OF DECK TO MATCH EXISTING FOR SOUND CONTROL.  
• REFER TO WALL SECTION FOR REVEAL DETAILS. CONTRACTOR IS RESPONSIBLE FOR INVESTIGATING EXISTING WALL CONSTRUCTION TO IMITATE DETAILING ON NEW WALLS.

PROVIDE PARTITION WALL WITH  
• 1 LAYER OF 5/8" GWB ON BOTH SIDES OF  
• 3 5/8" METAL STUDS AT 16" O.C.  
• FILL CAVITY WITH SOUND ATTENUATION INSULATION.  
• PARTITION TO BE EXTENDED TO U/S OF FINISHED CEILING.  
• REFER TO WALL SECTION FOR REVEAL DETAILS. CONTRACTOR IS RESPONSIBLE FOR INVESTIGATING EXISTING WALL CONSTRUCTION TO IMITATE DETAILING ON NEW WALLS.

DRAWING NOTES:

INDICATES WALLS, DOORS AND SIDELIGHTS TO BE REMOVED: ===== REMOVE DOORS AND SIDELIGHTS CAREFULLY AND STORE THEM SAFELY FOR POSSIBLE REUSE.

EXISTING FLOORING IN NEW UNIT 1 AND NEW CORRIDOR TO STAIR TO BE REMOVED & SUBFLOOR MADE READY FOR NEW FLOOR FINISH. ALL OTHER EXISTING FLOOR TO REMAIN.

- ① EXISTING DOOR, FRAME AND GLAZING TO BE REMOVED CAREFULLY AND COMPLETELY, RETURNED TO OWNER.
- ② EXISTING DOOR AND FRAME TO BE REMOVED CAREFULLY AND COMPLETELY, STORED FOR REUSE.
- ③ EXISTING MILLWORK TO BE REMOVED AND DISPOSED OF.
- ④ MAKE NEW PARTITION WALL FLUSH WITH EXISTING FOR SEAMLESS TRANSITION.
- ⑤ STORAGE SHELVING BY OWNER
- ⑥ PROVIDE BLOCKING WHERE MILLWORK, EQUIPMENT, ACCESSORIES, TV'S ETC. ARE ATTACHED TO NEW AND EXISTING PARTITION WALLS. (TYP.)
- ⑦ ±9" SECTION OF WALL FROM EXISTING CORRIDOR TO NEW TENANT DOOR IS TO BE MADE FLUSH AT WALL BASE TO MATCH EXISTING CORRIDOR AS IT WRAPS AROUND CORNER. REMAINDER AFTER TENANT DOOR IS TO REMAIN WITH WALL BASE REVEAL.

⑧ EXISTING KITCHEN DOOR TO BE REMOVED CAREFULLY AND COMPLETELY, FOR REUSE AT NEW MEETING ROOM. OPENING TO BE PATCHED AND MADE GOOD.

DOOR SCHEDULE:

IMPORTANT NOTES:

- A. FOR LOCKING REQUIREMENTS OF NEW DOORS COORDINATE WITH CLIENT.
- B. DOOR HARDWARE IS TO BE PROVIDED BY CASH ALLOWANCE AS PER TENDER DOCUMENTS.

DOOR TYPE: A, FRAME TYPE: A  
3'-2"W, HEIGHT TO MATCH BUILDING STANDARD. HM DOOR W/ VISION LITE.  
\*\*1 HR FRR\*\*  
FRAME: HOLLOW METAL  
FINISH: PAINT  
HARDWARE: 3 PAIRS OF HINGES, CRASH BAR AND LEVER HANDLE C/W LATCHING MECHANISM W/ DOOR CLOSER & FLOOR STOP.  
NOTE: ENSURE DOOR PROVIDES 860mm CLEAR OPENING.

①2 RELOCATED EXISTING KITCHEN DOOR, REPAINT & PROVIDE FLOOR STOP.

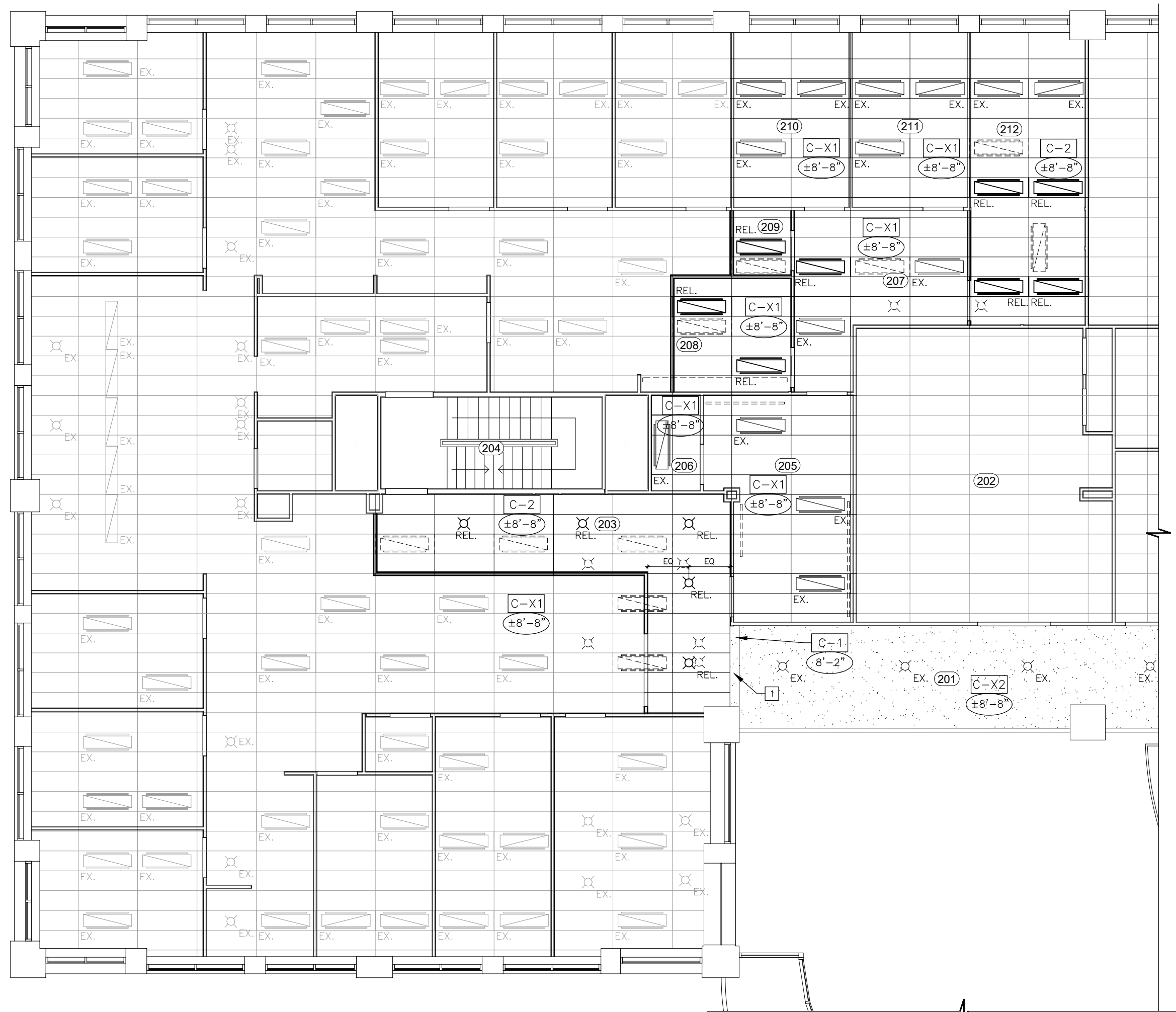
①3 RELOCATED EXISTING ENTRANCE DOUBLE DOOR C/W FLOOR & OVERHEAD DOOR STOP AS REQ'D. PAINT DOOR FRAME AS PER BUILDING STANDARDS

①4 RELOCATED EXISTING OFFICE DOOR, REPAINT & PROVIDE FLOOR STOP.

①5 RELOCATED EXISTING STORAGE DOOR, REPAINT & PROVIDE OVERHEAD DOOR STOP.

①6 EXISTING DOOR TO REMAIN. EXISTING KEYPAD IS TO BE DEACTIVATED AND REMAIN. PROVIDE NEW CARD READER.

①X EXISTING DOOR TO REMAIN. REPAINTED.



2 REFLECTED CEILING PLAN  
A1 SCALE: 1/8"=1'-0"

CEILING NOTES:

- A. CONTRACTOR TO ENSURE SUFFICIENT HVAC DEVICES, SUPPLY DUCTS AND RETURN AIR GRILLES.
- B. LOCATION OF LIGHTING, HVAC AND SPRINKLERS ARE FOR DESIGN REFERENCE ONLY, REFER TO MECHANICAL FOR EXACT LOCATIONS AND DETAILS
- ① PROVIDE GYPSUM BOARD BULKHEAD. FINAL HEIGHT TO BE COORDINATED W/ DESIGNER PRIOR TO CONSTRUCTION OF BULKHEAD.

CEILING TYPES:

- C-X1 • EXISTING T-BAR CEILING TO REMAIN.  
• REPLACE STAINED OR DAMAGED TILES WHERE REQUIRED.
- C-X2 • EXISTING GWB BULKHEAD OR CEILING TO REMAIN.  
• MAKE GOOD EXISTING GWB BULKHEAD OR CEILING WHERE EFFECTED BY THE RENOVATION.
- C-1 • NEW GWB BULKHEAD
- C-2 • REMOVE EXISTING ACOUSTIC CEILING TILES, KEEP AND STORE TILES WHICH ARE CLEAN AND IN GOOD CONDITION FOR REUSE.  
• EXISTING T-BAR TO REMAIN, PROVIDE NEW CEILING TILES TO MATCH EXISTING.  
• ARMSTRONG CORTEGA 773BM 500mm x1500mm x 15mm  
• EXISTING TILES STILL IN GOOD CONDITION ARE TO BE REUSED TO REPLACE DAMAGED OR STAINED TILES IN OTHER AREAS.

CEILING LEGEND:

- ACOUSTIC CEILING TILE AND T-BAR SYSTEM
- GYPSUM BOARD BULKHEAD OR CEILING
- 0'-0" INDICATES CEILING HEIGHT

LIGHTING LEGEND:

FIXTURES ARE EXISTING TO REMAIN, RELOCATED TO ACCOMMODATE NEW LAYOUT, OR NEW. THIS IS INDICATED ON THE REFLECTED CEILING PLAN AS FOLLOWS:

EX - EXISTING FIXTURE TO REMAIN  
REL - RELOCATED FIXTURE  
NEW - NEW FIXTURE

REFER TO ELECTRICAL AND MECHNICAL FOR FURTHER CEILING FIXTURES AND SPECIFICATION, DRAWINGS ARE FOR DESIGN ONLY.

⌘ RECESSED POT LIGHT

⌘ LAY-IN FIXTURE, DIFFUSER COMBO. FIXTURE IS NOT SET UP WITH HVAC SYSTEM. ALL HVAC RUN SEPARATELY.

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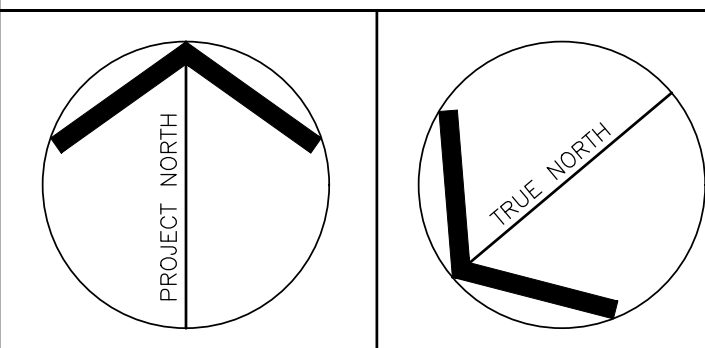
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SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR APPROVAL.

THESE DRAWINGS SHALL NOT BE SCALED.

ALL DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL OTHER RELATED DOCUMENTS AND SPECIFICATIONS.

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PROJECT **PARTIAL 2ND FLOOR RENOVATION - WATERLOO CITY HALL**  
100 REGINA STREET SOUTH

SHEET TITLE  
**DEMO/PARTITION & REFLECTED CEILING PLAN**

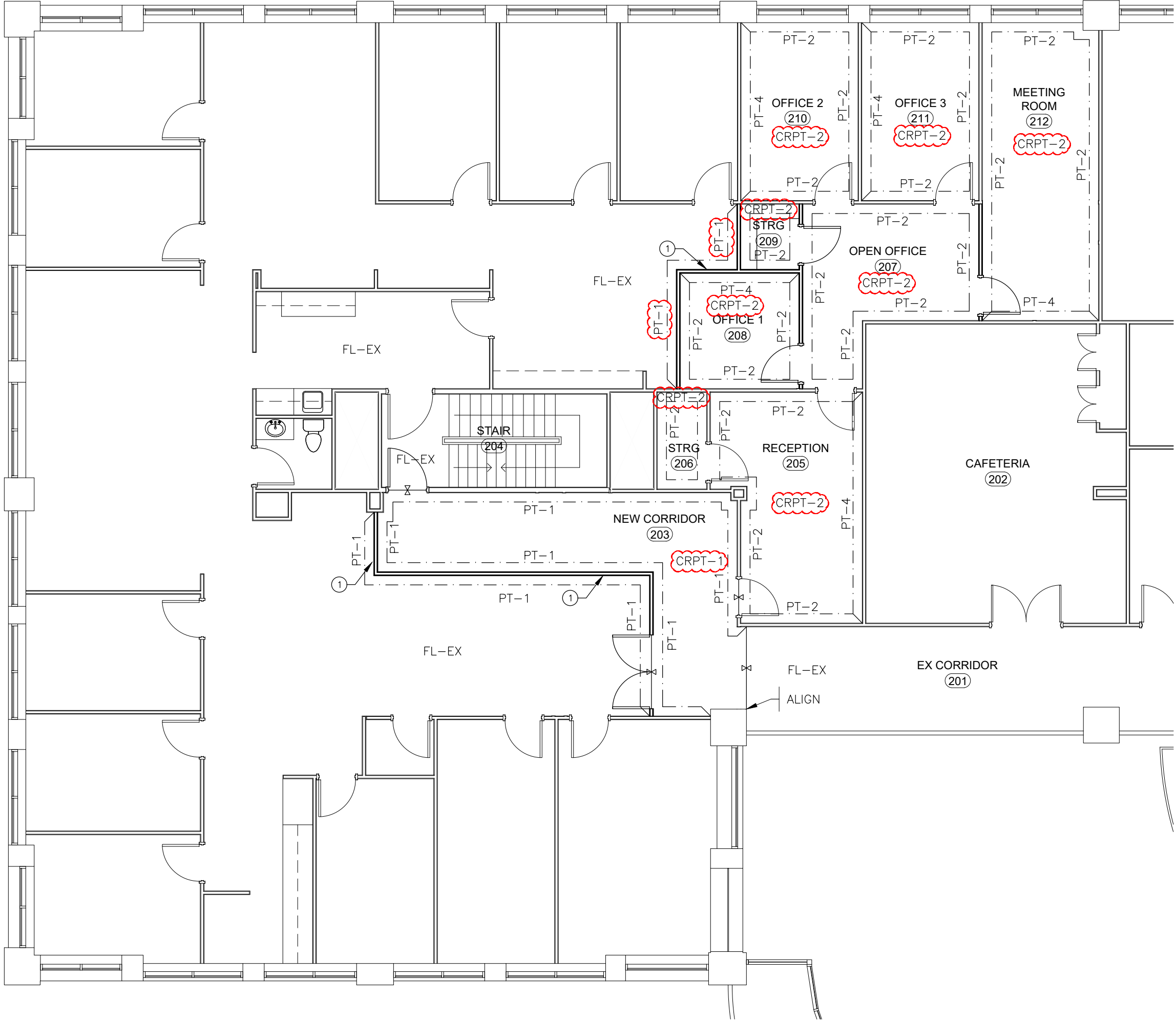
DRAWN BY: TM (EID) CHKD BY: MM (IBI)

DATE: 08/04/2021 SCALE: 1/8"=1'-0"

PROJECT NO: SHEET NUMBER

A1






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A2

FINISHES PLAN

SCALE: 1/8"=1'-0"

FINISHES NOTES:

- FLOOR FINISHES:**
- A. CONTRACTOR TO MAKE SITE/SUB-FLOOR GOOD AND READY TO ACCEPT FLOOR FINISHES AS SPECIFIED
- B. CHANGES IN FLOOR FINISHES TO OCCUR AT DOOR CENTERLINE
- C. INSTALL WALL BASE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. USE FULL LENGTH PIECES WHERE POSSIBLE; ACCUMULATED SHORT LENGTHS SHALL NOT BE USED.
- D. FLOOR FINISH TRANSITIONS ARE INDICATED AS SUCH:  FLOOR TRANSITION STRIP IS NOT REQUIRED BETWEEN FLOOR FINISHES OF THE SAME TYPE. FLOOR TRANSITIONS TO OCCUR AT THE CENTERLINE OF DOOR OPENING.
- WALL FINISHES:**
- E. PATCH, SAND SMOOTH AND MAKE GOOD, READY TO RECEIVE NEW FINISHES.
- F. PROVIDE WOOD BLOCKING WITHIN PARTITION WALLS WHERE MILLWORK, ACCESSORIES OR ARCHITECTURAL FEATURES ARE APPLIED.
- G. ALL WALLS IN COMMON CORRIDOR AFFECTED BY DEMOLITION/CONSTRUCTION ARE TO BE PATCHED AND MADE GOOD, READY TO RECEIVE NEW FINISHES.
- H. A NEW COAT OF PAINT IS TO BE APPLIED TO THE FULL EXTEND OF EXISTING WALLS THAT REQUIRE PATCHING, FOR A SMOOTH SEAMLESS SURFACE.
- PAINT FINISH:**
- I. PAINT FINISHES ON GYPSUM BOARD PARTITIONS TO BE EGGSHELL FINISH.
- J. CONTRACTOR TO APPLY AS MANY COATS OF PAINT AS REQUIRED TO COVER WALLS, DOORS, AND BULKHEADS PROPERLY.
- K. CONTRACTOR TO PROVIDE DESIGNER WITH SAMPLES OF ALL PAINT FINISHES (COLOUR & SHEEN) BEFORE PROCEEDING WITH WORK.
- L. ALL PAINT GRADE DOORS TO BE PAINTED WITH PEARL OR SATIN FINISH. PAINT COLOUR TO BE PT-3 IN NEW TENANT AREA. PAINT COLOUR TO MATCH BUILDING STANDARD IN NEW CORRIDOR EXTENSION.
- M. ALL H.M. FRAMES TO BE PAINTED WITH PEARL OR SATIN FINISH. PAINT COLOUR TO BE PT-3 IN NEW TENANT AREA. PAINT COLOUR TO MATCH BUILDING STANDARD IN NEW CORRIDOR EXTENSION.

① PROVIDE NEW RUBBER WALL BASE ALONG NEW WALL, ON UNOCCUPIED TENANT SIDE. NEW BASE COLOUR TO MATCH EXISTING (JOHNSONITE, BURNT UMBER 63 TBC).

FINISHES LEGEND:

- FLOOR FINISHES:**
- FL-EX: EXISTING FLOORING TO REMAIN.
- CRPT-1: CORRIDOR  
MANUF.: MILLIKEN  
COLCTN.: MAJOR FREQUENCY: ONE  
SERIES.: VIBRATION  
CLR.: STATIC (VBN27-118)  
SIZE.: 25cm x 100cm  
BASE.: 4" RUBBER BASE, JOHNSONITE, GATEWAY WG (TA4)
- CRPT-2: NEW TENANT UNIT  
MANUF.: TARKETT  
COLCTN.: AGGREGATE  
CLR.: ANCHOR BOLT (28301)  
SIZE.: 24"x24"  
BASE.: 4" RUBBER BASE, JOHNSONITE, GATEWAY WG (TA4)
- PAINT:**
- PT-1: PAINT TO MATCH BUILDING STANDARD
- PT-2: NEW TENANT GENERAL  
SHERWIN WILLIAMS  
REPOSE GRAY (SW 7015)
- PT-3: NEW TENANT DOORS & TRIM  
SHERWIN WILLIAMS  
ACIER (SW 9170)
- PT-4: NEW TENANT ACCENT  
SHERWIN WILLIAMS  
REGATTA (SW 6517)

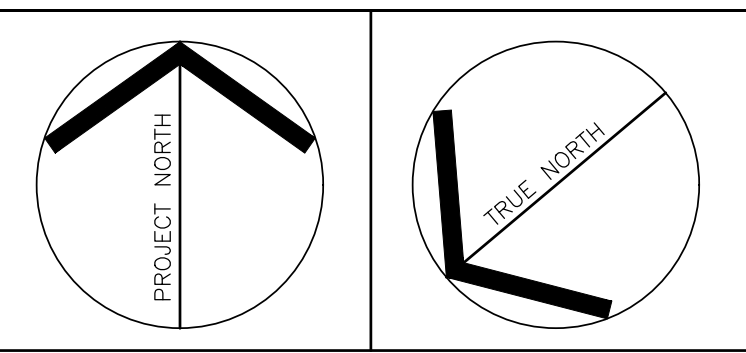
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PROJECT **PARTIAL 2ND FLOOR  
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CITY HALL**  
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SHEET TITLE

**FINISHES PLAN**

DRAWN BY: TM (EID)	CHKD' BY: MM (IBI)
DATE: 08/04/21	SCALE: 1/8" = 1'-0"
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A2