

			MCVV Consultants Ltd.				
	ELECTRICAL SYMBOL LEGEND			NOTE: NOT ALL SYMBOLS SHOWN ON THIS LEGEND ARE NECESSARILY USED ON THIS PROJECT.	<u> </u>	ELECTRICAL DRAWING LIST	
	LIGHTING	EQUIPMENT CONNECTIONS AND CONTROLS	FIRE ALARM SYSTEM	COMMUNICATIONS	E0	ELECTRICAL LEGEND AND DRAWING LIST	N.T.S.
	LINEAR FLUORESCENT LUMINAIRE, TYPE 'A' AS SPECIFIED. HATCHING DENOTES CONNECTED TO EMERGENCY/NIGHT LIGHTING CIRCUIT	DIRECT CONNECTION - 120 OR 208V AS SPECIFIED	PULL STATION	WALL MOUNTED COMBINATION MULTI-FUNCTION HDMI AND VGA OUTLETS. 1 1/2"C TO CEILING SPACE BY DIV. 16.	F4 04	LEVEL 04 ELECTRICAL DI ANI AVACURO CAN	4.75
A ()	CEILING MOUNTED LUMINAIRE, TYPE `A' AS SPECIFIED	DIRECT CONNECTION - 374 OR 600V AS SPECIFIED	CEILING FLUSH VERTICAL MOUNTED BELL C/W FLUSH MTD. BOX	2 GANG MUDRING	E1-01	LEVEL 01 - ELECTRICAL PLAN - WASHROOM	1:75
АО	WALL MOUNTED LUMINAIRE, TYPE 'A' AS SPECIFIED	DIRECT CONNECTION - 120 OR 208V C/W UNFUSED DISCONNECT SWITCH AS SPECIFIED	FLUSH MOUNTED HORN	WALL MOUNTED TELEVISION OUTLET PVR FOR SATELLITE (RG6 PLENUM RATED CABLE), TO TERMINATE TO THE SERVER ROOM. 3/4"C TO CEILING SPACE BY DIV. 16.	E1-02	LEVEL 01 - LIGHTING PLAN - OFFICE	1:75
H1 O	POLE MOUNTED LUMINAIRE, TYPE `H1' AS SPECIFIED	DIRECT CONNECTION - 347 OR 600V C/W UNFUSED DISCONNECT SWITCH AS SPECIFIED	DOUBLE HORN - CEILING OR WALL MOUNTED	FLUSH CEILING MOUNTED TELEVISION OUTLET PVR FOR SATELLITE (RG6 PLENUM RATED CABLE), TO TERMINATE TO THE SERVER ROOM.	F4 00	LEVEL OO LIQUEINO DI ANI OFFICE	4.75
	DOUBLE SURFACE MOUNTED EMERGENCY LIGHTING REMOTE HEADS, TYPE 'BU-1' INDICATES	DIRECT CONNECTION - 120 OR 208V C/W FUSED DISCONNECT SWITCH AS SPECIFIED	SUITE ISOLATOR MODULE	VOIP TELEPHONE OUTLET - WALL MOUNTED OR MOUNTED ABOVE COUNTER. PROVIDE 3/4" CONDUIT FROM OUTLET TO CEILING SPACE	E1-03	LEVEL 02 - LIGHTING PLAN - OFFICE	1:75
		DIRECT CONNECTION - 347 OR 600V C/W FUSED DISCONNECT SWITCH AS SPECIFIED	☐ STROBE - WALL OR CEILING MOUNTED	VOIP TELEPHONE OUTLET - FLUSH CEILING MOUNTED UNLESS NOTED OTHERWISE. PROVIDE 3/4" TO CEILING SPACE	E1-04	LEVEL 01 - POWER & SYSTEM PLAN - OFFICE	1:75
	CEILING MOUNTED EMERGENCY LIGHTING REMOTE HEAD EMERGENCY LIGHTING BATTERY UNIT C/W DUPLEX RECEPTACLE AND DOUBLE REMOTE HEADS.	MODULAR FURNITURE WHIP CONNECTION. PROVIDE HARD-WIRE CONNECTION AND CONDUIT SIZE AS PER COMMUNICATION DRAWINGS 'C'- DENOTES FOR COMMUNICATION	S S FLUSH MOUNTED SPEAKER - WALL OR CEILING MOUNTED	TELEPHONE OUTLET - FLUSH FLOOR MOUNTED PROVIDE 3/4" TO CEILING SPACE	F4.05	LEVEL OD DOWED & OVETEME DI ANI OFFICE	1.75
. B U-1	TYPE 'BU-1' AS SPECIFIED.	P' - DENOTES FOR POWER	S SURFACE MOUNTED SPEAKER - WALL OR CEILING MOUNTED	VOIP DATA OUTLET - WALL MOUNTED OR MOUNTED ABOVE COUNTER. PROVIDE 3/4" CONDUIT TO CEILING SPACE	E1-05	LEVEL 02 - POWER & SYSTEMS PLAN - OFFICE	1:75
<i>BU-1</i> €	WALL MOUNTED DOUBLE FACED EXIT LIGHT AND DIRECTIONAL ARROWS AS INDICATED. SHADED AREAS DENOTE DIRECTION OF FACE OF EXIT SIGN. 'BU-1' INDICATES BATTERY UNIT FED FROM.	AS ABOVE FOR POLE MOUNTED. POLE IS PART OF SYSTEM FURNITURE POWER AND COMMUNICATION HARDWIRE CONNECTIONS ON FLOOR, CORE DRILL OR TRENCHING	FIREMEN HANDSET	VOIP DATA OUTLET - FLUSH CEILING MOUNTED UNLESS NOTED OTHERWISE. PROVIDE 3/4" CONDUIT TO CEILING SPACE		LEVEL 01 - LIGHTING DEMOLITION PLAN - OFFICE	1:75
	WALL MOUNTED SINGLE FACED EXIT LIGHT AND DIRECTIONAL ARROWS AS INDICATED. SHADED	CONCRETE FLOOR AS REQUIRED	FIRE ALARM SYSTEM SPEAKER	VOIP DATA OUTLET - FLUSH FLOOR MOUNTED. PROVIDE 3/4" CONDUIT TO CEILING SPACE	F4.07	LEVEL 01 & P1 LEVEL	4.75
	AREAS DENOTE DIRECTION OF FACE OF EXIT SIGN.	MOTOR CONNECTION C/W UNFUSED DISCONNECT SWITCH	AUTOMATIC COMBINATION FIXED TEMPERATURE/RATE OF RISE HEAT DETECTOR - WALL OR CEILING MOUNTED	VOIP DATA OUTLET - WALL MOUNTED OR MOUNTED ABOVE COUNTER. PROVIDE 3/4" CONDUIT TO CEILING SPACE	E1-07	POWER & SYSTEMS DEMOLITION PLAN - OFFICE	1:75
•	CEILING MOUNTED DOUBLE FACED EXIT LIGHT AND DIRECTIONAL ARROWS AS INDICATED. SHADED AREAS DENOTE DIRECTION OF FACE OF EXIT SIGN.	MOTOR CONNECTION C/W FUSED DISCONNECT SWITCH	AUTOMATIC FIXED TEMPERATURE HEAT DETECTOR - WALL OR CEILING MOUNTED	VOIP DATA OUTLET - FLUSH CEILING MOUNTED UNLESS NOTED OTHERWISE. PROVIDE 3/4" CONDUITS TO CEILING SPACE	E3	ELECTRICAL & DETAILS	N.T.S.
⊗	CEILING MOUNTED SINGLE FACED EXIT LIGHT AND DIRECTIONAL ARROWS AS INDICATED. SHADED AREAS DENOTE DIRECTION OF FACE OF EXIT SIGN.	MOTOR CONNECTION C/W LOOSE STARTER	SMOKE DETECTOR - WALL OR CEILING MOUNTED	VOIP DATA OUTLET - FLUSH FLOOR MOUNTED TYPE TO MATCH EXISTING. PROVIDE 3/4" CONDUIT TO CEILING SPACE			N.T.O.
	SECURITY AND ACCESS SYSTEMS	MOTOR STARTER AS SPECIFIED	D D DUCT TYPE SMOKE DETECTOR WITH REMOTE ANNUNCIATION	SIGNAL PUSHBUTTON	E-5	ELECTRICAL SINGLE LINE DIAGRAM & PANEL SCHEDULES	N.T.S.
СР	SECURITY SYSTEM CONTROL PANEL	UNFUSED DISCONNECT SWITCH	SINGLE STATION TYPE SMOKE DETECTOR C/W RED INDICATION LIGHT - WALL OR CEILING MOUNTED	6 SIGNAL BELL C/W TRANSFORMER			
KP	KEY PAD	FUSED DISCONNECT SWITCH	Single Station type smoke detector GW Red Indication Light - Wall or Ceiling Mounted	INTERCOM MASTER STATION			
CR	CARD READER	HD HAND DRYER	SINGLE STATION TYPE SMOKE/CARBON MONOXIDE DETECTOR C/W RED INDICATION LIGHT - WALL OR CEILING MOUNTED	INTERCOM STATION			
IR	INFRA RED READER	THERMOSTAT PROVIDED BY DIV. 15 AND WIRED BY DIV. 16	- CARBON MONOXIDE DETECTOR - WALL OR CEILING MOUNTED				
ЕВ	REQUEST TO EXIT BUTTON	GENERAL POWER	DH DOOR HOLDER	FLUSH MOUNTED AUXILIARY SOUND SYTEM SPEAKER - WALL MOUNTED OR CEILING MOUNTED			
ЕМ	EGRESS MOTION DETECTOR	15A, U-GROUND SINGLE RECEPTACLE	LIGHTING CONTROL	SP SURFACE MOUNTED AUXILIARY SOUND SYTEM SPEAKER - WALL MOUNTED OR CEILING MOUNTED		GENERAL NOTES:	
DC	DOOR CONTACT	15A, U-GROUND DUPLEX RECEPTACLE	\$ # # ONE, TWO, THREE AND FOUR GANG SINGLE POLE TOGGLE SWITCHES	M MICROPHONE JACK		THIS DRAWING SHALL BE READ IN CONJUNCTION WITH MECHANICAL AND	
ES	ELECTRIC STRIKE	USB CHARGER/15A, U-GROUND DUPLEX RECEPTACLE, HUBBELL CAT# USB15A5W	3 \$ 3-WAY SWITCH	1 PUBLIC ADDRESS SPEAKER, TYPE '1' AS SPECIFIED		ARCHITECTURAL DRAWINGS. 2. ALL RELOCATED AND EXISTING LIGHTING FIXTURES WITHIN THE	
AA	AUDIBLE ALARM	15A, U-GROUND QUAD RECEPTACLE	4 \$ 4-WAY SWITCH	V VOLUME CONTROL SWITCH		RENOVATED AREAS TO BE RE-LAMPED WITH 4100K AND C/W NEW K12 LENSES.	
MD	MOTION DETECTOR	(5-20RA) T-SLOT U-GROUND DUPLEX RECEPTACLE	K KEY OPERATED LIGHT SWITCH	P PROJECTION SOUND JACK		ALL NIGHT LIGHTS/ EMERGENCY LIGHTING ARE TO BE ON A 24 HOURS OPERATION.	
MR	MOTION SENSOR RELEASE	15A, U-GROUND SINGLE OR DUPLEX RECEPTACLE - MOUNTED ABOVE COUNTER	\$ P \$ TOGGLE SWITCH C/W RED PILOT LIGHT	B SOUND BRIDGING JACK		 ALL NEW / EXISTING / RELOCATED LIGHTING FIXTURES IN SCOPE OF WORK SHALL BE SUPPORTED INDEPENDENT OF THE CEILING SYSTEM TO APPROVAL OF THE CANADIAN ELECTRICAL CODE. 	
AD	AUTOMATIC DOOR OPENER	4 15A, U-GROUND SINGLE INSULATED/ISOLATED GROUND RECEPTACLE - STANDARD MOUNTING HEIGHT OR MOUNTED ABOVE COUNTER	D S DOOR LIGHT SWITCH	AMP AMPLIFIER		 ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL REDUNDANT LIGHTING FIXTURES AND THEIR ASSOCIATED WIRING AND CONDUIT. 	
	CLOSED CIRCUIT CAMERA	15A, U-GROUND DUPLEX INSULATED/ISOLATED GROUND RECEPTACLE - STANDARD MOUNTING HEIGHT OR MOUNTED ABOVE COUNTER	HUBBELL DUAL TECHNOLOGY WALL SWITCH OCCUPANCY SENSOR, CAT# LHMTS1-G347-WH	PA CONSOLE OR RACK C/W TERMINAL BOX		CONTRACTOR SHALL UTILIZE EXISTING LIGHTING & POWER CIRCUITS IN REMOVED AREA AND SPARE CIRCUIT IN EXISTING PANEL BOARDS.	
PTZ C	 'B' - DENOTES BOX ENCLOSURE 'E' - DENOTES ELEVATOR CORNER MOUNT 'P' - DENOTES PEDESTAL MOUNT 		F S FAN CONTROL SWITCH	POWER DISTRIBUTION		LIGHTING AND POWER CIRCUIT SHALL NOT BE LOADED MORE THAN 80% OF IT'S RATED LOAD.	
	 'PTZ' - DENOTES PAN TILT ZOOM 'W' - WEDGE ENCLOSURE 	(5-20RA) T-SLOT U-GROUND DUPLEX INSULATED/ISOLATED GROUND RECEPTACLE - STANDARD MOUNTING HEIGHT OR MOUNTED ABOVE COUNTER	\$ LUTRON VARIABLE SPEED FAN CONTROL SWITCH NTF SERIES	POWER TRANSFORMER		7. PROVIDE CIRCUITRY NAMEPLATES FOR ALL ELECTRICAL OUTLETS.8. REFER TO ARCHITECTURE DRAWINGS FOR EXACT DEVICE MOUNTING	
M	SECURITY SYSTEM MONITOR	30A 120/208V/1Ø/30 AMP DRYER OUTLET	* MANUAL TIMER SWITCH	POWER TRANSFORMER C/W ELECTROSTATIC SHIELD		HEIGHT AND LOCATIONS. 9. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATIONS OF ALL	
ML	MAGLOCK DEVICE	120/208V/1Ø/40 AMP RANGE OUTLET	HUBBELL DUAL CX PROGRAMMABLE WALL DIMMING SWITCH, CAT# CXSW-4-WH	CURRENT CONTROL TRANSFORMER		MECHANICAL EQUIPMENT. 10. PRIOR TO ANY WORK FOR UNDERFLOOR OR INFLOOR/INSLAB CONDUIT, ALLOW TO X BAY THE FLOOR AND COORDINATE THE LOCATION WITH	
\$	MAGLOCK RESET SWITCH	SINGLE SPECIAL RECEPTACLE - AMPACITY AS INDICATED, TYPE 'A' AS SPECIFIED	PROGRAMMABLE TIME CLOCK, TYPE 'A' AS SPECIFIED	INCOMING POWER INTERRUPTER SWITCH		ALLOW TO X-RAY THE FLOOR AND COORDINATE THE LOCATION WITH LANDLORD. OBTAIN WRITTEN APPROVAL AS REQUIRED. 11. SUPPLY AND INSTALL OUTLET BOX AND 3/4" EMT CONDUIT UP TO	
KS	KEY SWITCH	15A, U-GROUND SPLIT WIRED DUPLEX RECEPTACLE - STANDARD MOUNTING HEIGHT OR MOUNTED ABOVE COUNTER	HUBBELL LOW VOLTAGE DUAL TECHNOLOGY ULTRASONIC AND PIR CEILING OCCUPANCY SENSOR, CAT# OMNI-DT-2000-WH C/W POWER PACK.	DISCONNECT SWITCH		11. SUPPLY AND INSTALL OUTLET BOX AND 3/4" EMT CONDUIT UP TO CEILING SPACE FOR ALL WALL MOUNTED TELEPHONE, DATA & TELEVISION OUTLET.	
СВ	CODE BLUE SPEAKER PHONE	15A, U-GROUND HALF SWITCHED DUPLEX RECEPTACLE - STANDARD MOUNTING HEIGHT OR MOUNTED ABOVE COUNTER (CONTROLLED BY SWITCH)	PHOTO ELECTRIC CONTROL	MOLDED CASE CIRCUIT BREAKER		12. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR ALL LIGHTING AND ELECTRICAL ITEMS UPON AWARD OF PROJECT FOR DESIGNER/ENGINEERING REVIEW AND APPROVAL.	
(B)	CODE BLUE INTEGRATED UNIT C/W ACCESSORIES, POLE OR PEDESTAL MOUNTED		MISCELLANEOUS	DRAW OUT AIR CIRCUIT BREAKER		13. IN AREAS WITH DRYWALL CEILING, CONTRACTOR SHALL LOCATE/RELOCATE ALL NEW/EXISTING JUNCTION BOXES, PULL BOXES,	
\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	ALARM SOUNDER	4 15A, U-GROUND DUPLEX RECEPTACLE C/W GROUND FAULT CIRCUIT INTERRUPTER - STANDARD MOUNTING HEIGHT OR MOUNTED ABOVE COUNTER	INDICATES EXISTING DEVICE TO REMAIN	FIXED AIR CIRCUIT BREAKER		DISCONNECTS, ETC TO ACCESSIBLE AREAS. WHERE IT IS NO POSSIBLE TO RELOCATE/INSTALL EXISTING/NEW SERVICES IN ACCESSIBLE AREAS, CONTRACTOR SHALL PROVIDE ACCESS PANELS C/W FIRE RATINGS AS	
PA	PANIC ALARM	(5-20RA) T-SLOT U-GROUND DUPLEX RECEPTACLE C/W GROUND FAULT CIRCUIT INTERRUPTER	INDICATES EXISTING DEVICE TO REMAIN INDICATES EXISTING DEVICE TO BE MOVED			REQUIRED. EXACT LOCATION OF ACCESS PANELS SHALL BE CO-ORDINATED WITH THE ARCHITECT.	
	15A, U-GROUND SINGLE RECEPTACLE - FLUSH CEILING MOUNTED UNLESS NOTED OTHERWISE	15A, U-GROUND SINGLE RECEPTACLE - FLUSH FLOOR MOUNTED UNLESS NOTED OTHERWISE	INDICATES EXISTING DEVICE TO BE MOVED INDICATES EXISTING DEVICE IN RELOCATED POSITION	ELECTRIC HEATING		14. DURING THE CONSTRUCTION PERIOD, A SET OF DRAWINGS APPROVED BY THE LANDLORD MUST BE KEPT ON SITE AND AVAILABLE FOR CONSULTATION AT ALL TIMES.	
			11 D	SUREFACE WALL MOUNTED ELECTRIC BASEBOARD HEATER		15. ALL CONDUIT LOCATIONS UNDERFLOOR OR INFLOOR/ INSLAB TO BE CONSIDERED WET LOCATIONS AND ALL POWER, DATA CONDUCTOR TO	
•	15A, U-GROUND DUPLEX RECEPTACLE - FLUSH CEILING MOUNTED UNLESS NOTED OTHERWISE	15A, U-GROUND DUPLEX RECEPTACLE - FLUSH FLOOR MOUNTED UNLESS NOTED OTHERWISE	INDICATES EXISTING DEVICE TO BE DEMOLISHED	BRANCH CIRCUITING LEGEND		BE LISTED FOR WET LOCATIONS USE. 16. MAINTAIN EXISTING LIGHTING, EMERGENCY LIGHTING, EXIT SIGNS C/W ASSOCIATED RATTERY PACKS AND NORMAL POWER SURPLY IN AREA	
♣	(5-20RA) T-SLOT U-GROUND DUPLEX RECEPTACLE - FLUSH CEILING MOUNTED UNLESS NOTED OTHERWISE	USB CHARGER/15A, U-GROUND DUPLEX RECEPTACLE - FLUSH FLOOR MOUNTED UNLESS NOTED OTHERWISE	INDICATES CONDUIT (TYP.) ELECTRICAL DRAWING NOTES	2EP1-3 — '3' - DENOTES CIRCUIT NUMBER 'P1' - DENOTES LOCATION OF PANEL (P1 LEVEL) 'E' - DENOTES EMERGENCY PANEL '2' - DENOTES 120/208V OR '6' - DENOTES 347/600V		ASSOCIATED BATTERY PACKS AND NORMAL POWER SUPPLY IN AREA NOT IN SCOPE OF WORK. ENSURE PROPER OPERATION DURING AND AFTER CONSTRUCTION.	



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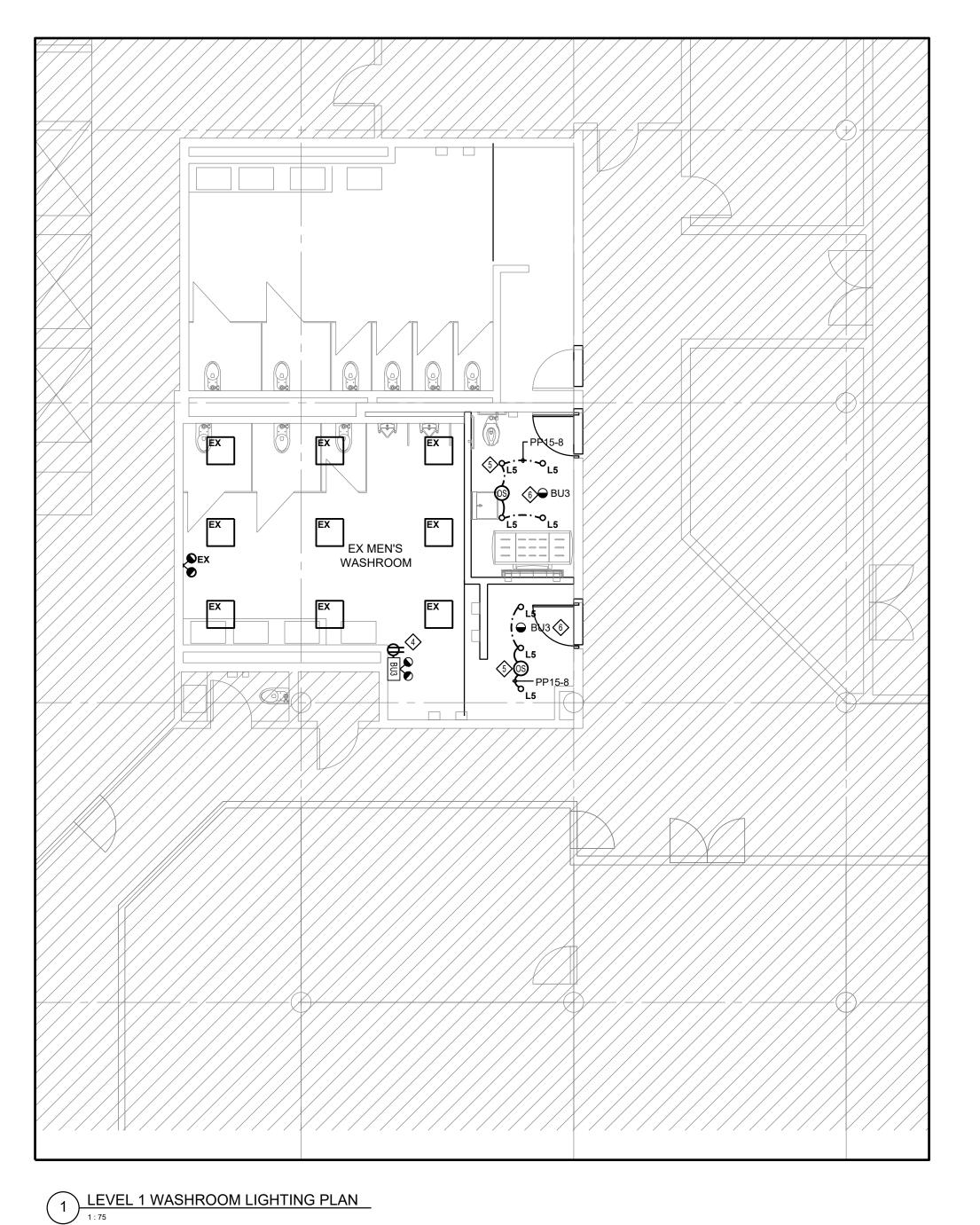
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02	Issued for Review	2023.03.03		
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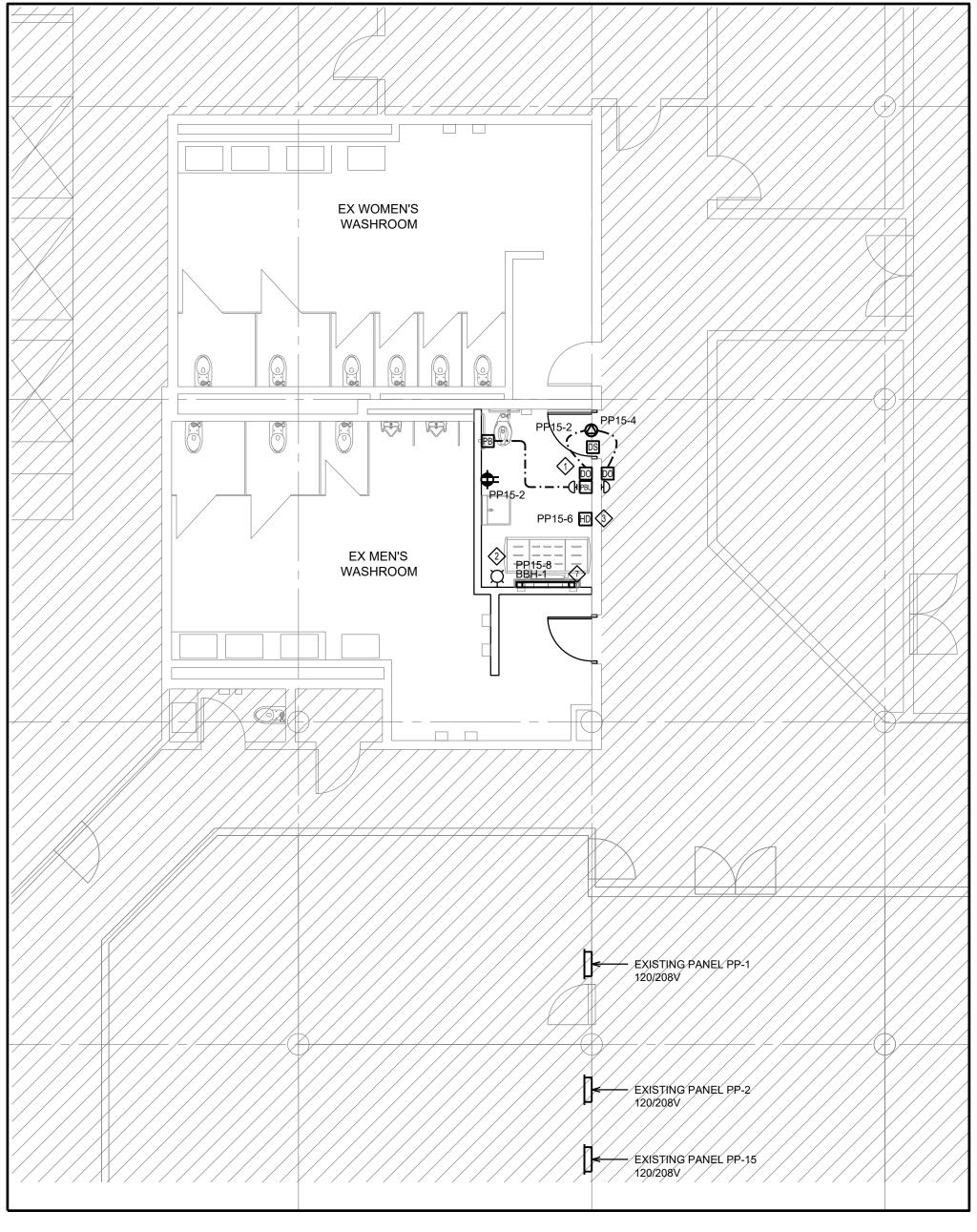
ELECTRICAL LEGEND AND DRAWING LIST

Checked By:	CI
•	CI
Drawing Scale:	N.T.S
•	Drawing Scale:



EC





2 LE

2 LEVEL 1 WASHROOM POWER & SYSTEMS PLAN
1:75

KEY NOTES:

- NEW UNIVERSAL WASHROOM EMERGENCY CALL SYSTEM. SEE WIRING DIAGRAM ON DRAWING E-10.
- CONNECT NEW FIRE ALARM STROBE LIGHT TO EXISTING NOTIFIER CONTROL PANEL COMPLE WITH NEW STROBE LIGHT CONTROL MODULE.
- PROVIDE POWER OUTLET FOR HAND DRYER. HAND DRYER TO BE SUPPLIED BY GC AND INSTALLED & WIRED BY THIS CONTRACTOR.
- RELOCATE & REPLACE EXISTING WITH NEW BATTERY UNIT.
 TYPE TO MATCH EXISTING UNIT & EXTEND AC & DC WIRING TO
- CONNECT NEW LIGHTING FIXTURE TO NEW LIGHTING CIRCUIT FROM EXISTING PANEL PP-15.
- NEW RECESSED MTD. EMERGENCY REMOTE HEAD, TYPE TO MATCH EXISTING BATTERY UNIT VOLTAGE. CONNECT NEW HEADS TO NEW BATTERY UNIT BU3.
- NEW STELPRO ELECTRIC BASEBOARD HEATER CAT # SPR1001 WHITE C/W BUILT-IN THERMOSTAT.



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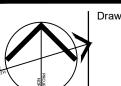
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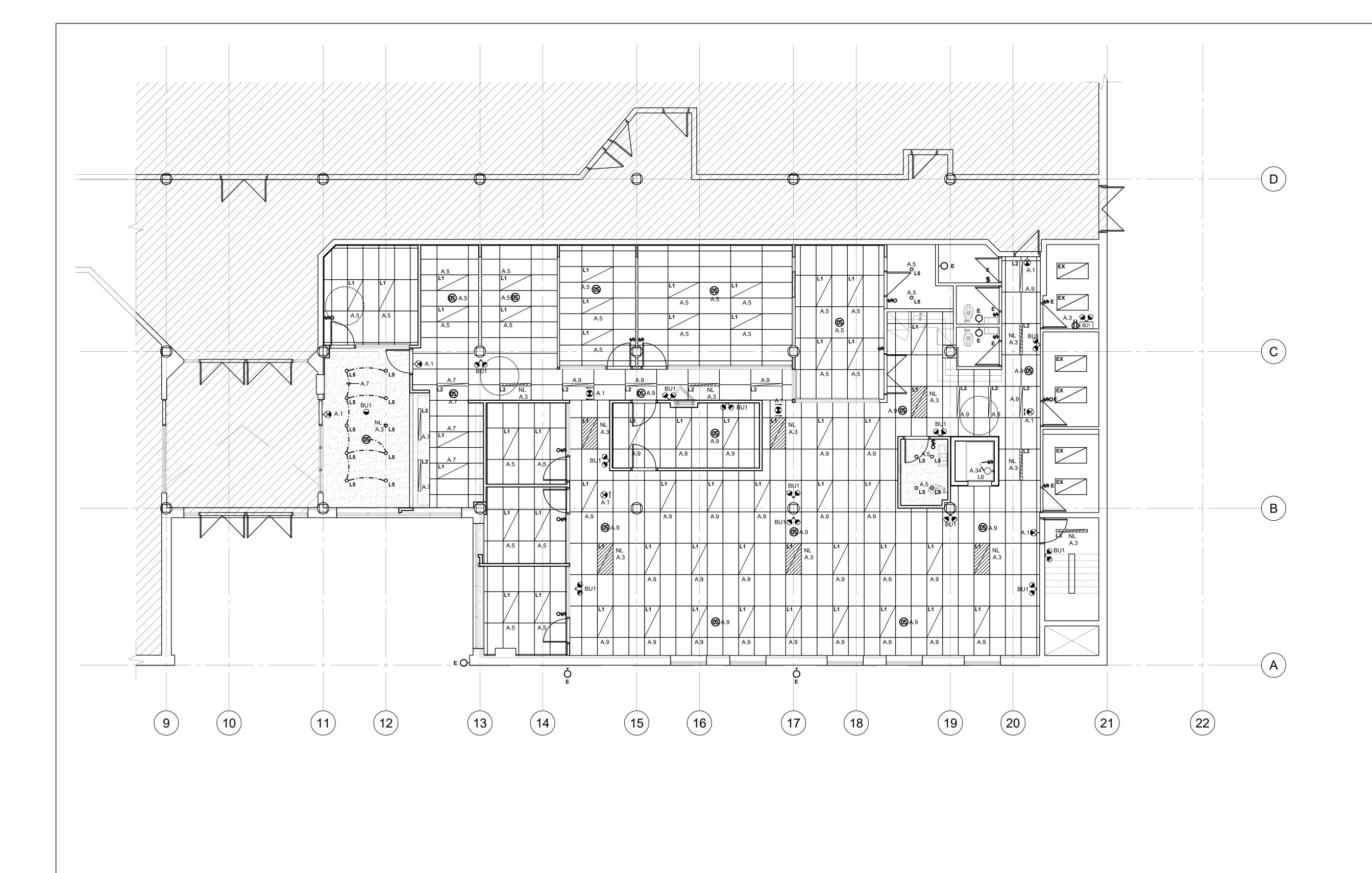
LEVEL 01 ELECTRICAL PLANS WASHROOM

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Project No.:	21424	Drawing Scale:	1:



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E1.01





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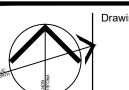
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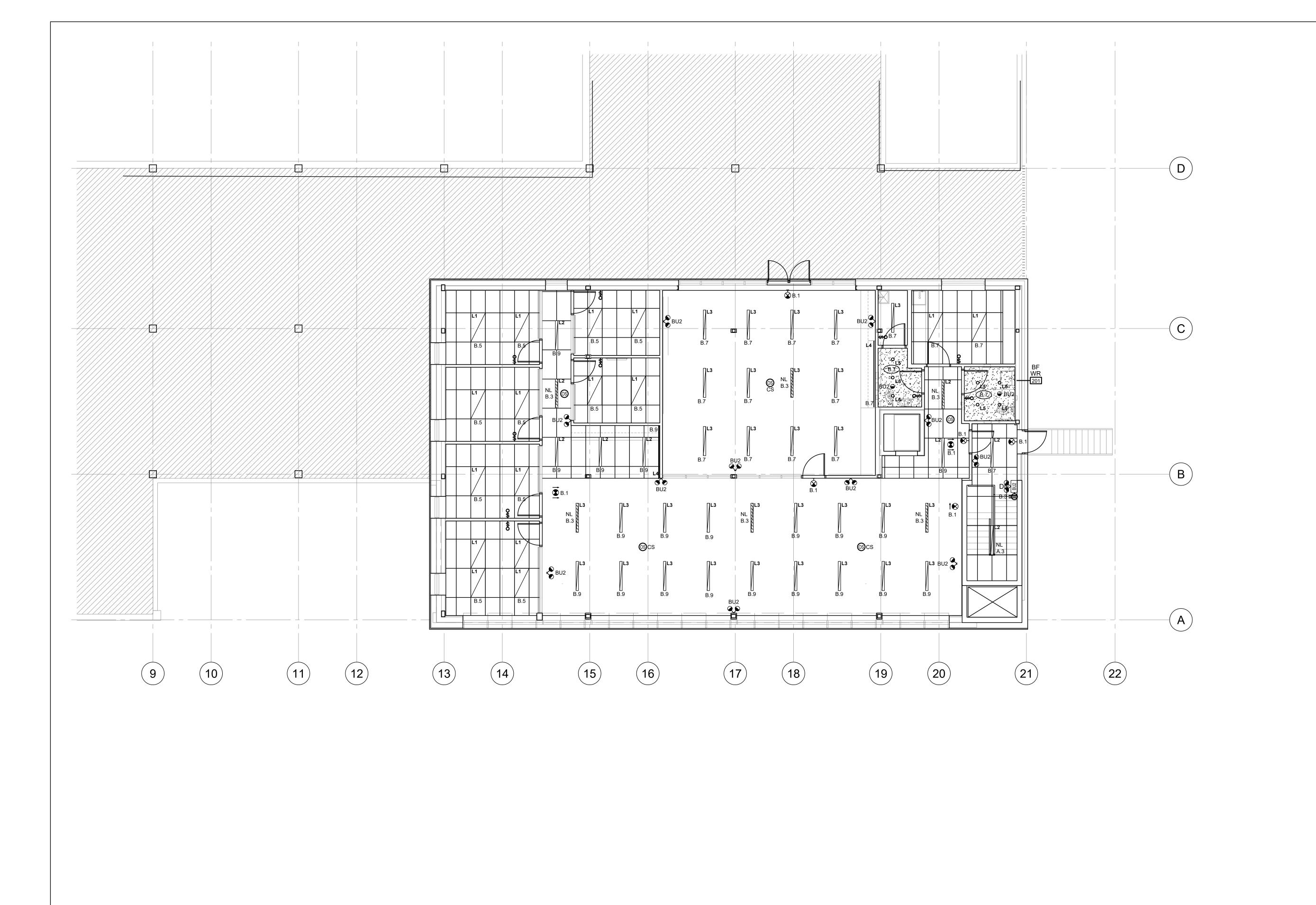
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LEVEL 01 LIGHTING PLAN OFFICE

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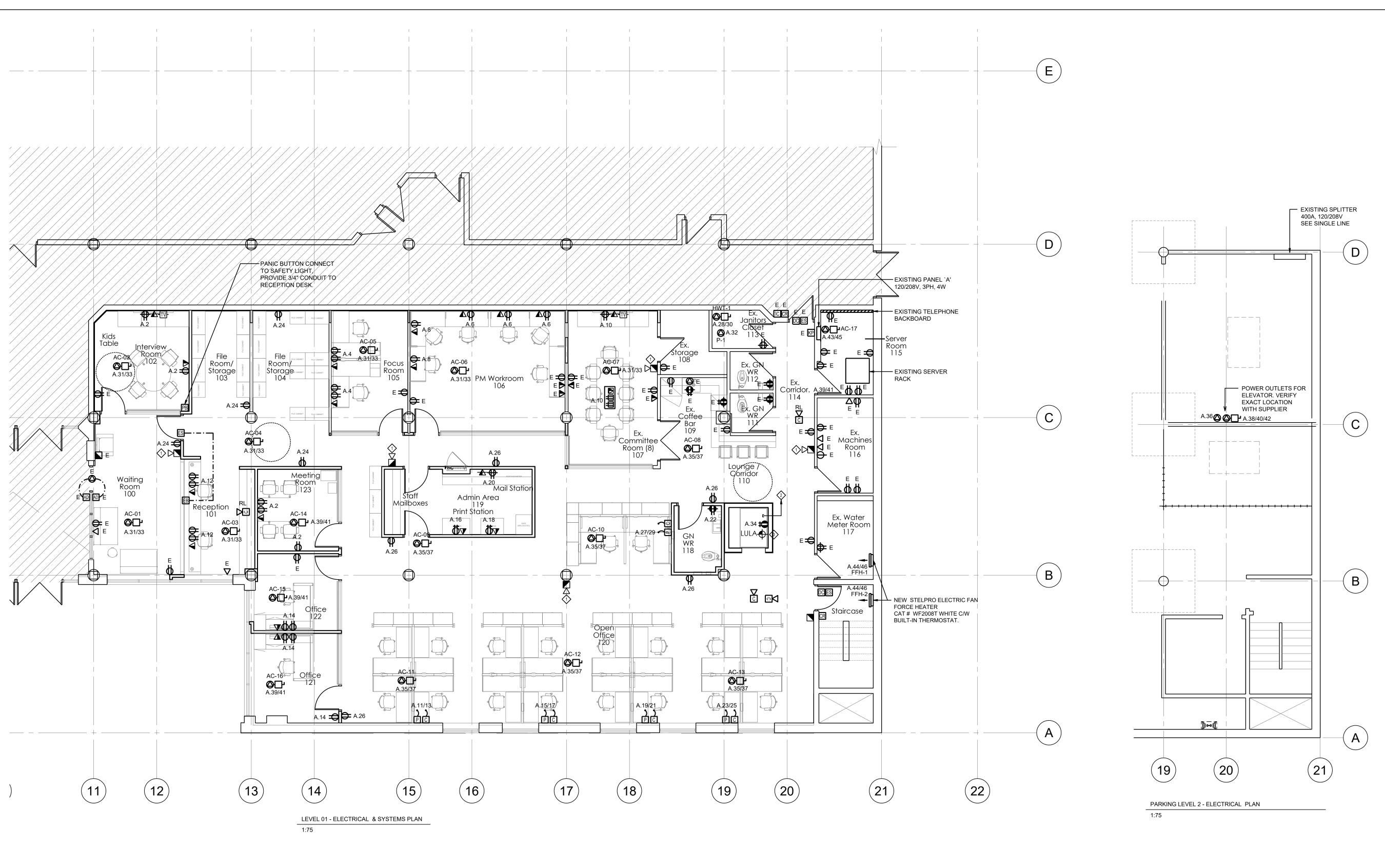


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LEVEL 02 LIGHTING PLAN OFFICE

Issue Date: 202		3.06.23	
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Project No.:	21424	Drawing Scale:	1 : 75





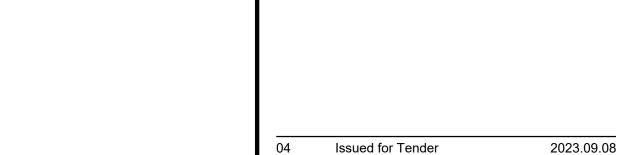
KEY NOTES:

DRAWING E5.

CONNECT NEW FIRE ALARM HORN TO BASE BUILDING FIRE ALARM HORN CIRCUIT, TYPICAL.

CONNECT NEW FIRE ALARM DEVICE IN ELEVATOR SHAFT TO NEW INITIATING ZONE AS INDICATED ON FIRE ALARM RISER ON

PROVIDE 1" CONDUIT TO TELEPHONE ROOM FOR COMMUNICATIONS SERVICE.



LEVEL 01 POWER & SYSTEMS PLAN OFFICE

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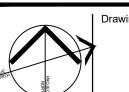
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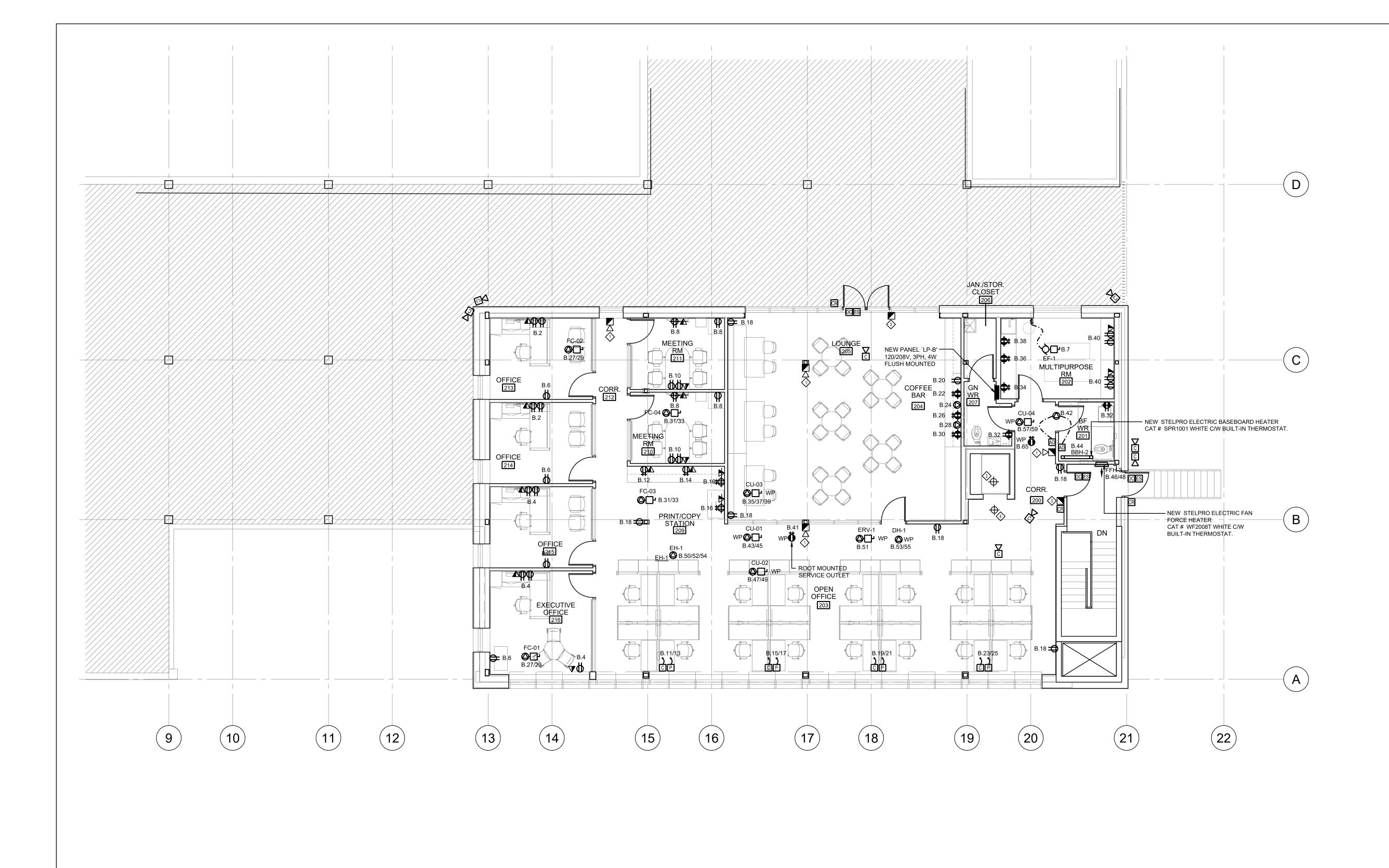


E1-04

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2023.03.03

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KEY NOTES:

- CONNECT NEW FIRE ALARM HORNS TO NEW FIRE ALARM HORN CIRCUITS, TYPICAL.
- CONNECT NEW FIRE ALARM DEVICES IN ELEVATOR SHAFT TO NEW INITIATING ZONE AS INDICATED ON FIRE ALARM RISER ON DRAWING E5.
- CONNECT NEW FIRE ALARM DEVICES TO NEW INITIATING ZONE AS INDICATED ON FIRE ALARM RISER ON DRAWING E5.
- CONNECT NEW FIRE ALARM SMOKE DETECTOR TO SECOND FLOOR ADDITION ZONE AND INTERCONNECT WITH ELEVATOR FOR ELEVATOR RECALL.



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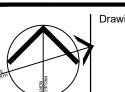
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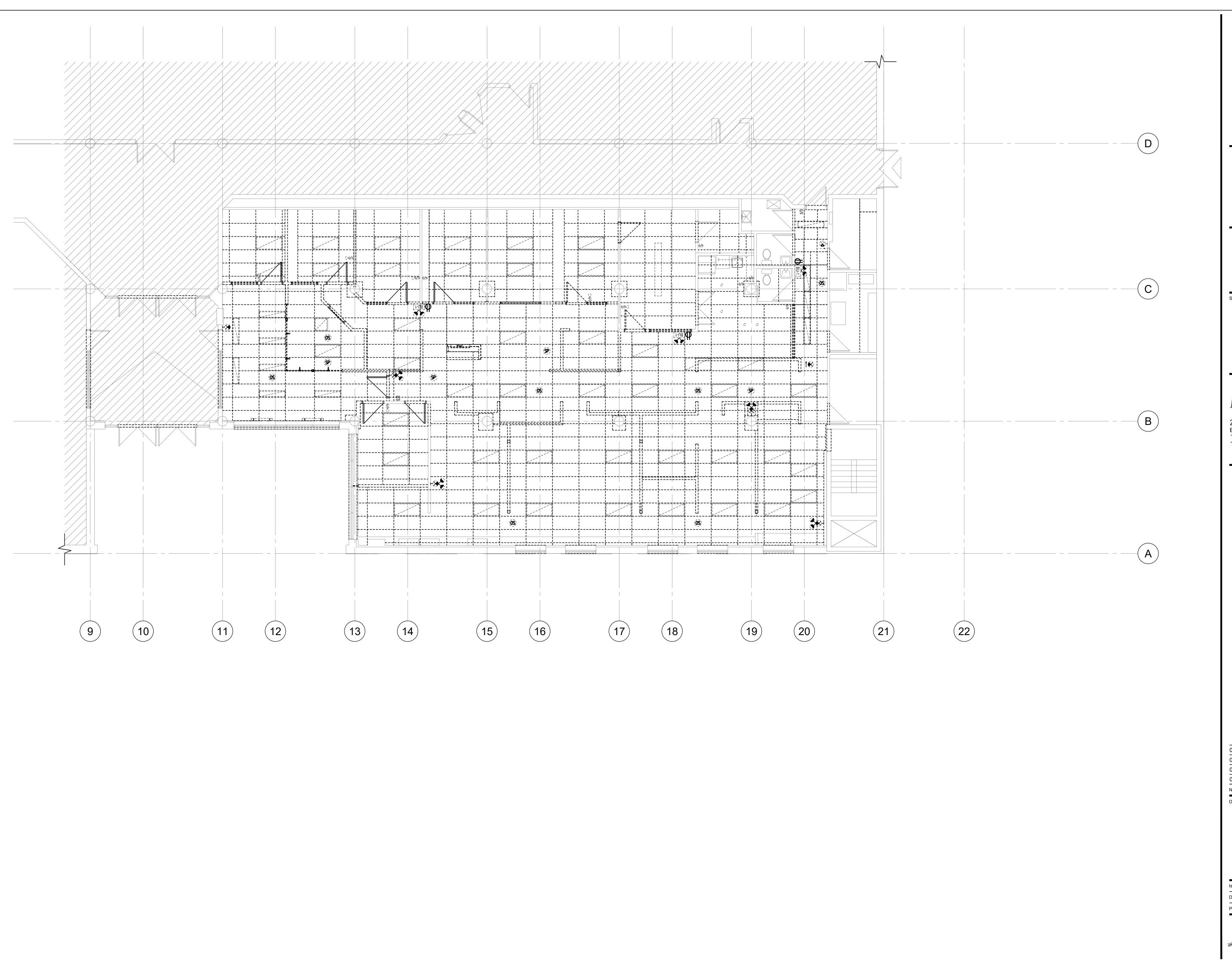


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LEVEL 02 POWER & SYSTEMS PLAN OFFICE

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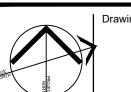
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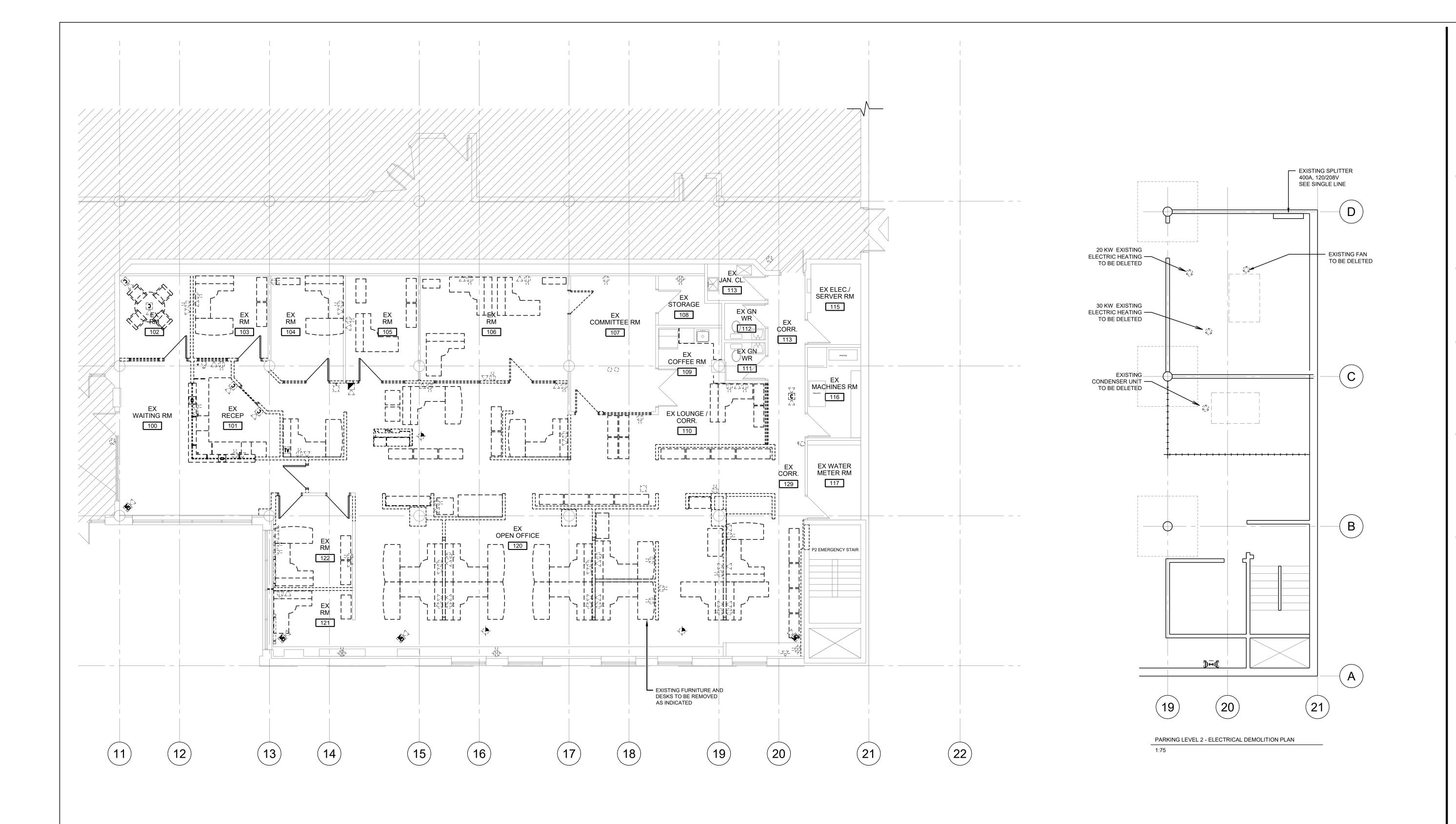


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LEVEL 01 LIGHTING DEMOLITION PLAN OFFICE

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LEVEL 01 - ELECTRICAL DEMOLITION PLAN

1:75



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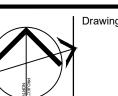
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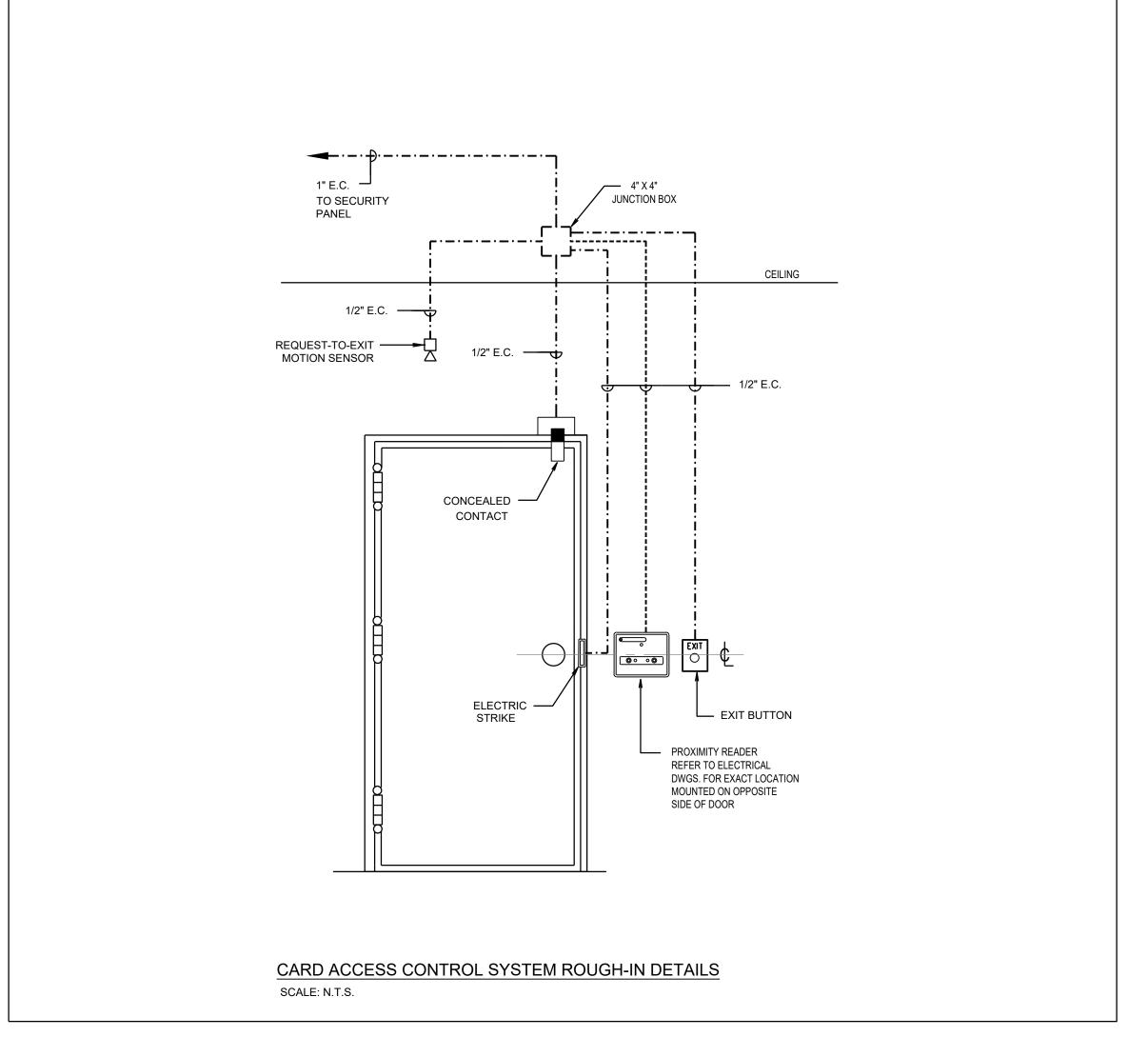
04	Issued for Tender	2023.09.08
03	Issued for Building Permit	2023.04.21
02	Issued for Review	2023.03.03
01	Issued for Review	2022.11.23
No.:	Issues / Revisions	YYYY.MM.DE

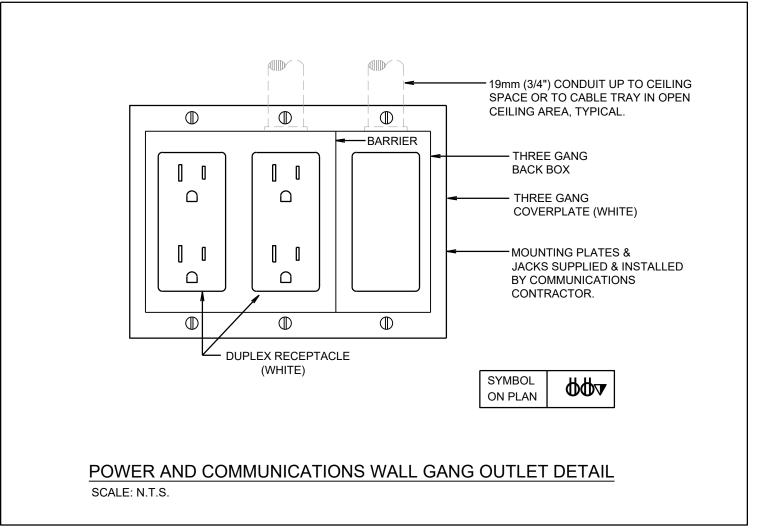
Drawing Titl

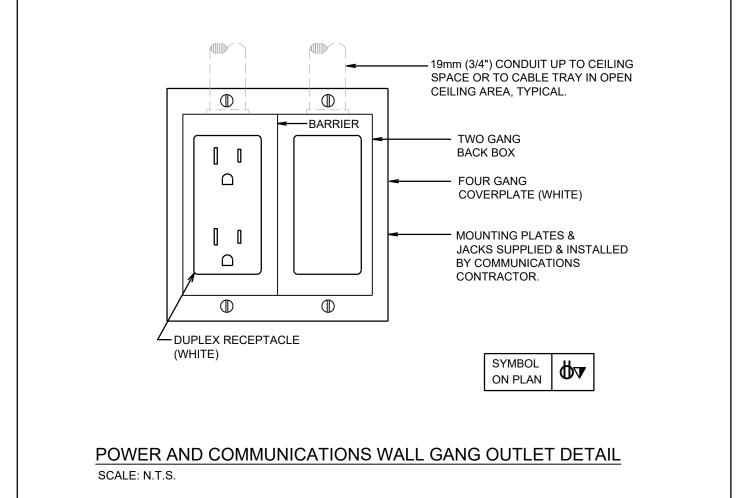
LEVEL 01 & P1 LEVEL POWER & SYSTEMS DEMOLITION PLAN OFFICE

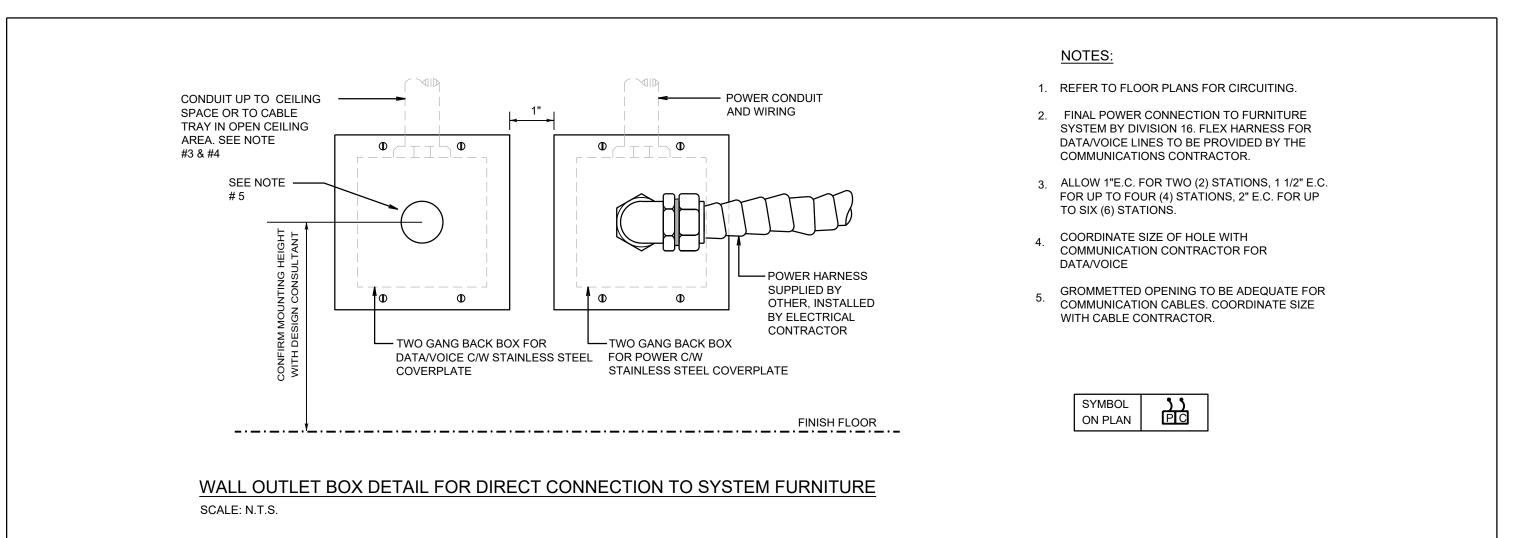
Issue Date:		202	3.06.2
Drawn By.:	TL	Checked By:	С
Project No.:	21424	Drawing Scale:	1:7

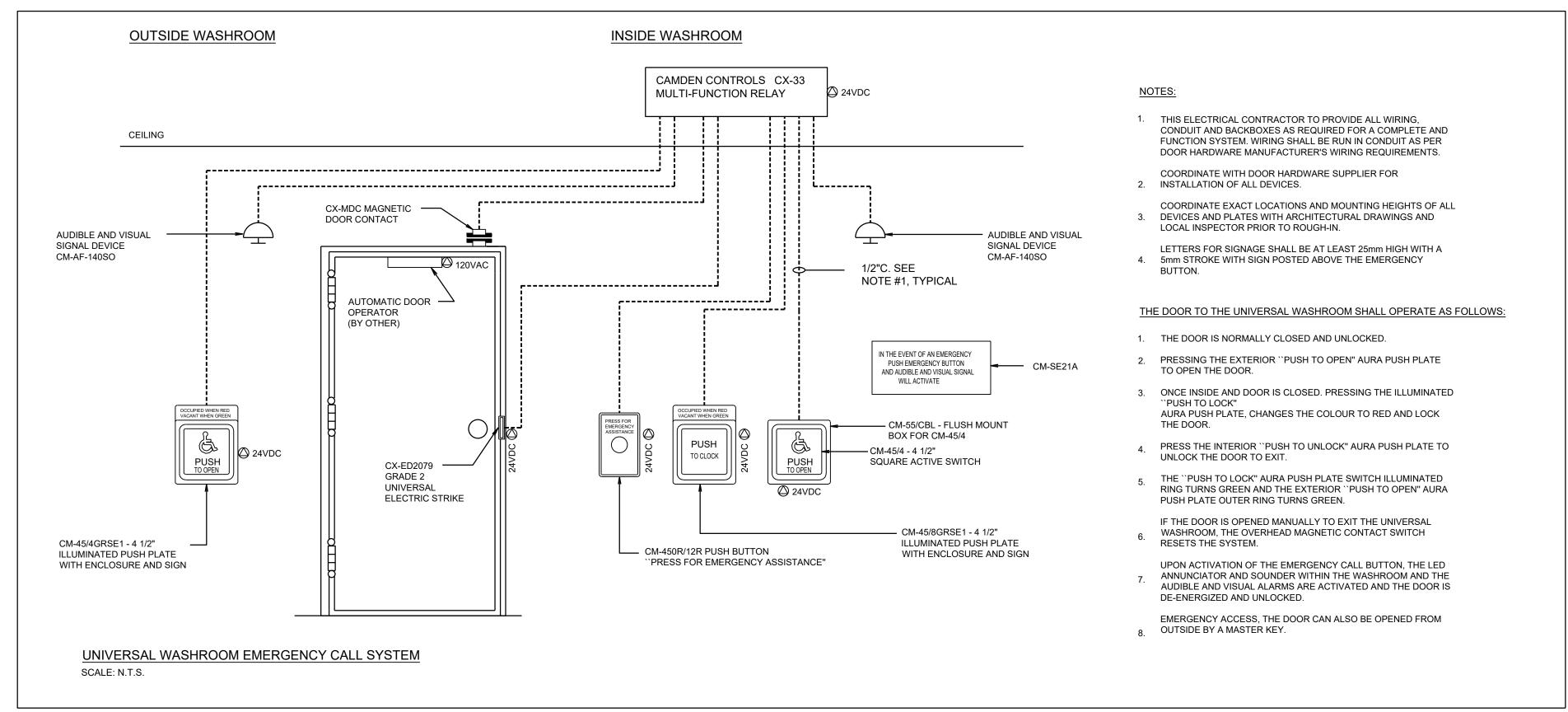














VPCH OFFICE EXPANSION

155 QUEEN ST NORTH HAMILTON, ONTARIO

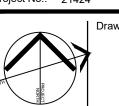


25 Main Street West Hamilton, Ontario L8P 1H1 Canada T: 905-522-0220

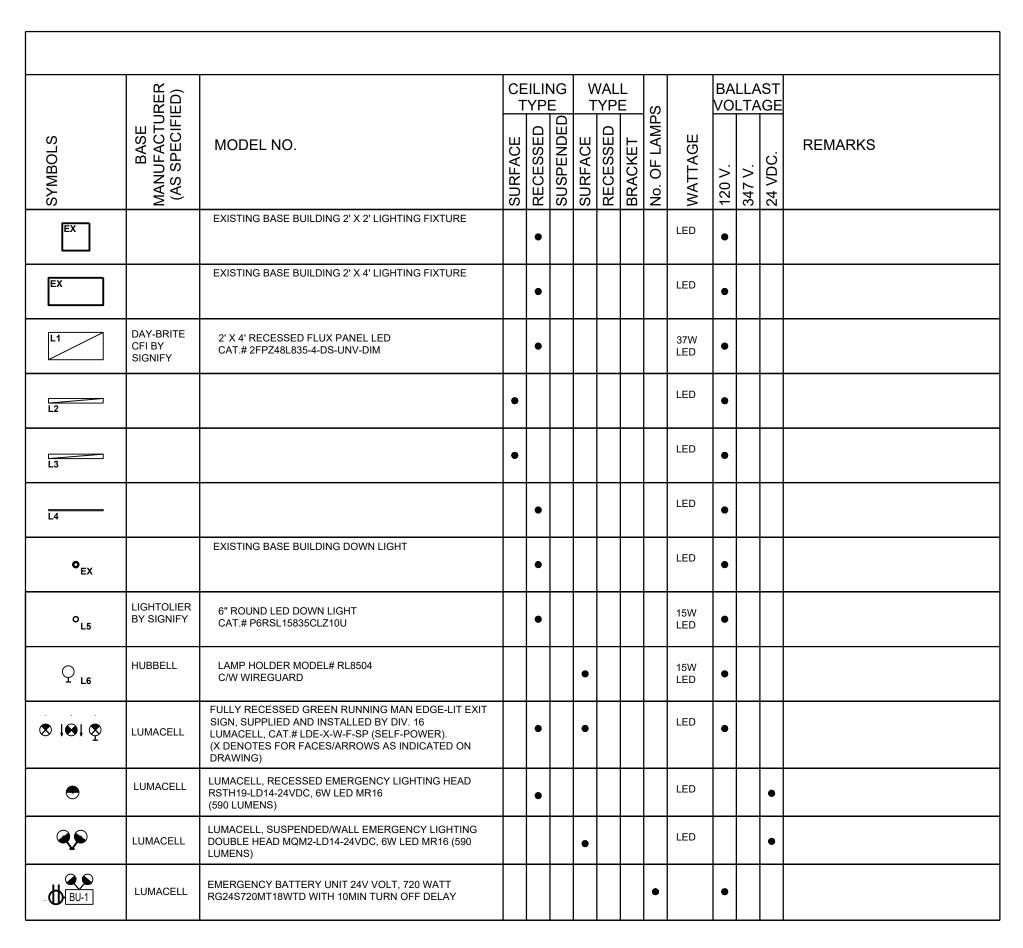
04	Issued for Tender	2023.09.08
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No.:	Issues / Revisions	YYYY.MM.DD
Drawing	Title:	

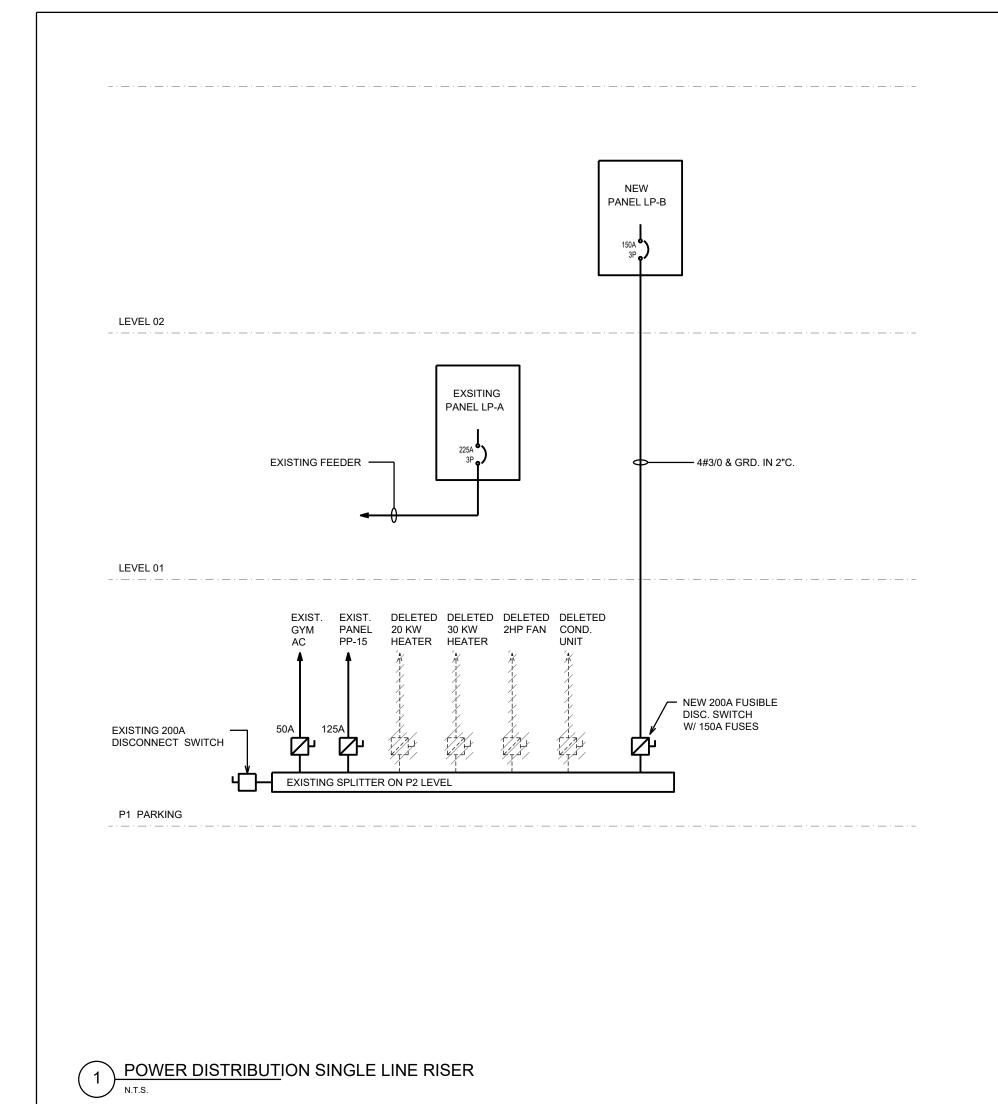
ELECTRICAL DETAILS

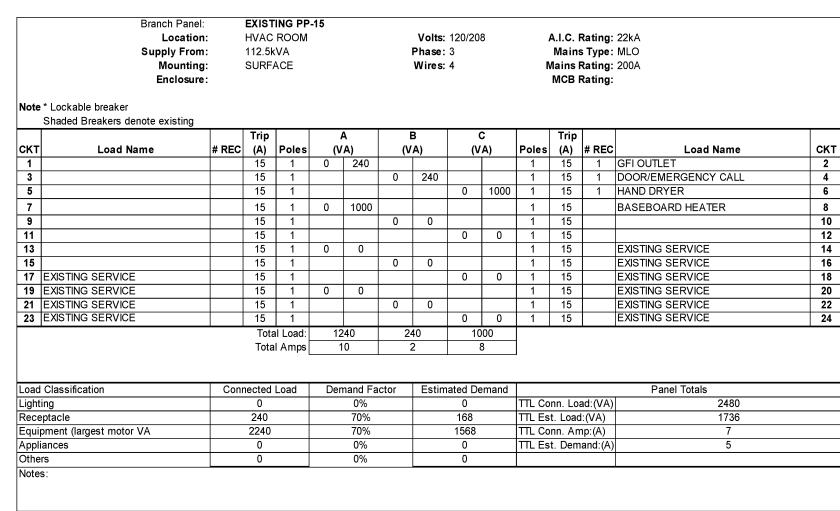
Issue Date:		202
Drawn By.:	TL	Checked By:
Project No.:	21424	Drawing Scale:



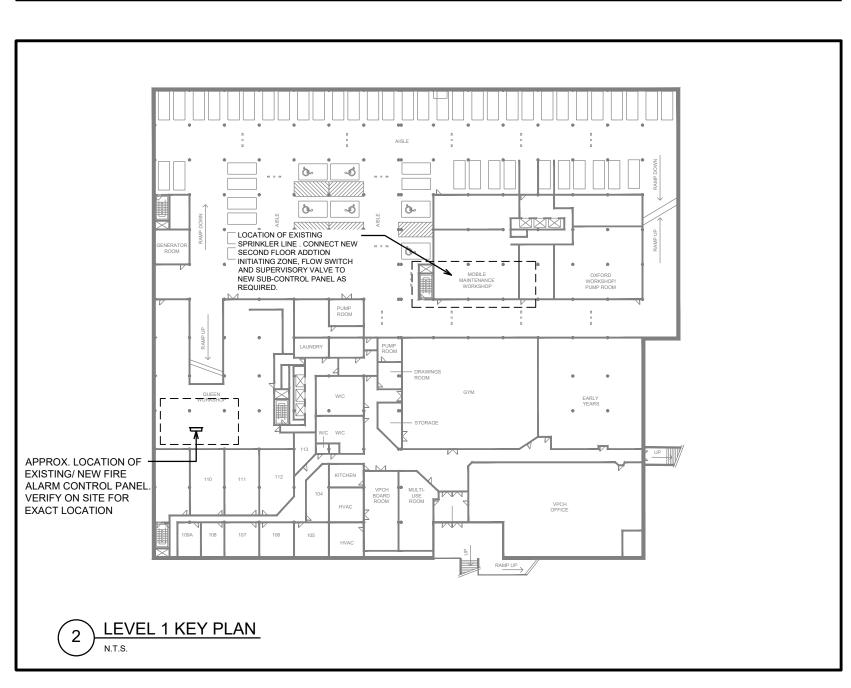
E3



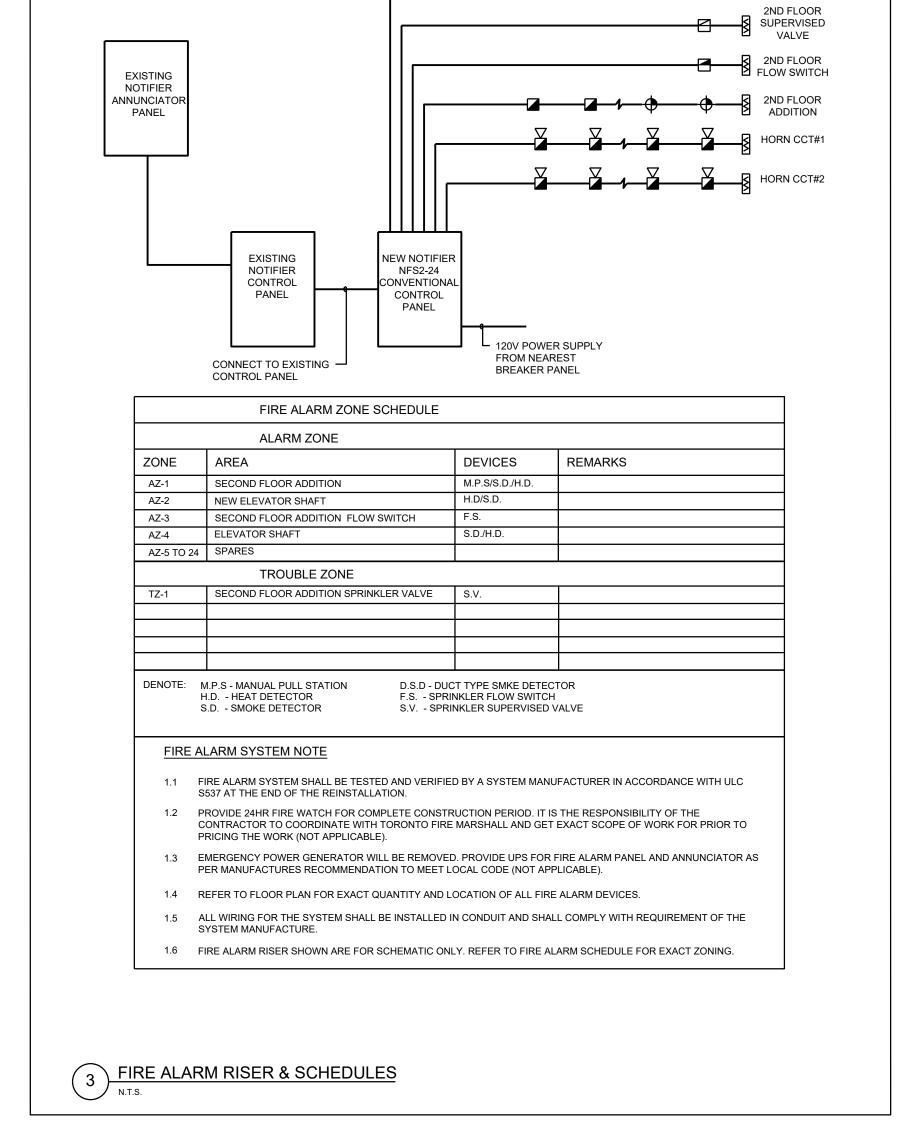




	Shaded Breakers denote existing		Tein			۸			(Tein			
СКТ		# REC	Trip (A)	Poles		A (A)		B 'A)	(V		Poles	Trip (A)	# REC	Load Name	CH
1	EXIT LIGHTS		20	1	50	1440					1	15	-	GROUND FLOOR OUTLETS	2
3	NIGHT LIGHTS & BATTERY UNIT		20	1		0	600	960			1	15		GROUND FLOOR OUTLETS	4
5	GROUND FLOOR LIGHTING		20	1					600	960	1	15	4	GROUND FLOOR OUTLETS	
7	GROUND FLOOR LIGHTING		20	1	600	720					1	15	3	GROUND FLOOR OUTLETS	1
9	GROUND FLOOR LIGHTING		20	1			600	480			1	15		GROUND FLOOR OUTLETS	1
11	GROUND FLOOR WORK STATION		15	2					480	960	1	15		GROUND FLOOR OUTLETS	1
13	GROUND FLOOR WORK STATION		13	^	480	1440					1	15	6	GROUND FLOOR OUTLETS	1
15	GROUND FLOOR WORK STATION		15	2			480	500			1	20	1	GROUND FLOOR COPIER OUTLET	1
17	GROOM LEGGIC WORK STATION		10						480	500	1	20		GROUND FLOOR COPIER OUTLET	1
19	GROUND FLOOR WORK STATION		15	2	480	240					1	15	1	GROUND FLOOR OUTLET	2
21	GROOND I EOOR WORK STATION		13				480	480			1	15		GROUND FLOOR OUTLETS	2
23	GROUND FLOOR WORK STATION		15	2					480	960	1	15	4	GROUND FLOOR OUTLETS	2
25	GREENBY LOCK WORK STATION		10		480	1200					1	15	5	GROUND FLOOR OUTLETS	2
27	GROUND FLOOR WORK STATION		15	2			240	2250			2	30		HWT-1	2
29	CITOGRAP I ECON WORK ON THOR		10						240	2250	_	- 00			3
31	AC-1 to AC-7		15	2	325	240					1	15		P-1	3
33	710-110710-1		10				325	240			1	20		ELEVATOR SERVICE OUTLET	3
35	AC-8 TO AC 13		15	2					150	100	1	15		ELEVATOR CONTROL	3
37	7.0-0 10 7.0 10		10	_	150	1500									3
39	AC-14 TO AC 16		15	2			125	1500			3	30		LULA ELEVATOR	
41	AC-14 10 AC 10		13						125	1500					
43	AC-17		15	2	200	2000					2	30		FFH1 / FFH-2	4
45	70-17		10				200	2000			-	50		11111/1111-2	4
47			15	1					0	0	1	15			4
49			15	1	0	0					1	15			5
51			15	1			0	0			1	15			5
53			15	1					0	0	1	15			5
55			15	1	0	0					1	15			5
57			15	1			0	0			1	15			5
59			15	1					0	0	1	15			- 6
61			15	1	0	0					1	15			6
63			15	1			0	0			1	15			- 6
65			15	1					0	0	1	15			- 6
67			15	1	0	0					1	15			6
69			15	1			0	0			1	15			7
71			15	1					0	0	1	15			7
			Tota	l Load:	118	545	114	460	97	85					
			Tota	l Amps	g	06	9	96	8	2					
oad	Classification	Conr	nected	Load	Den	nand Fa	ctor	Estim	ated De	mand				Panel Totals	
	ing		2550			100%			2550		TTL Co	nn. Lo	ad:(VA)	33390	
	eptacle		15000			70%			10500		TTL Es			24138	
	pment (largest motor VA		15840			70%			11088		TTL Co			93	
	iances		0			0%			0				and:(A)		
Othe			-600			70%		+	-420		 				



Note	Branch Panel: Location: Supply From: Mounting: Enclosure:		RO0M SURF					Volts: Phase: Wires:	_	8		Mains Mains I	Rating: s Type: Rating: Rating:	MLO
NOTE	Shaded Breakers denote existing		Trip		,	Δ	E	3	(<u> </u>		Trip		
CKT	l .	# REC	,	Poles	(V		(V	A)	(V	A)	Poles	_ ` _	# REC	
	EXIT LIGHTS		20	1	50	960					1	15		SECOND FLOOR OUTLETS
3	NIGHT LIGHTS & BATTERY UNIT		20	1			600	1200	222		1	15		SECOND FLOOR OUTLETS
5	SECOND FLOOR LIGHTING		20	1					600	960	1	15	4	SECOND FLOOR OUTLETS
7	SECOND FLOOR LIGHTING + EF-1		20	1	600	480					1	15	2	SECOND FLOOR OUTLETS
9	SECOND FLOOR LIGHTING		20	1			600	960			1	15		SECOND FLOOR OUTLETS
11	SECOND FLOOR WORK STATION		15	2					480	240	1	20		SECOND FLOOR COPIER OUTLET
13					480	240					1	20		SECOND FLOOR COPIER OUTLET
15	SECOND FLOOR WORK STATION		15	2			480		400		1	20	2	SECOND FLOOR OUTLETS
17					400	242			480		1	15 15		SECOND FLOOR OUTLETS
19	SECOND FLOOR WORK STATION		15	2	480	240	480	240			1	20	1	SECOND FLOOR KITCHEN OUTLET SECOND FLOOR KITCHEN OUTLET
21							460	240	480	240	1	20	-	SECOND FLOOR KITCHEN OUTLET
23 25	SECOND FLOOR WORK STATION		15	2	480	240			400	240	1	20	1	SECOND FLOOR KITCHEN OUTLET
27					400	240	740	240			1	20	1	SECOND FLOOR KITCHEN OUTLET
29	FC-01 , FC-02		15	2			740	240	740	240	1	20		SECOND FLOOR KITCHEN OUTLET
31					600	480			740	240	1	15	2	SECOND FLOOR OUTLETS
33	FC-03 , FC-04		15	2	000	400	600	240			1	15		SECOND FLOOR OUTLET
35							000	240	5280	240	1	15		SECOND FLOOR OUTLET
37	CU-3		70	3	5280	240			3200	240	1	15		SECOND FLOOR OUTLET
39					0200	240	5280	960			1	15		SECOND FLOOR OUTLETS
41	ROOF SERVICE OUTLET	1	20	1			0200		240	240	1	15		DOOR OPERATOR
43		-			3750	1000					1	15		BASEBOARD HEATER -BBH-2
45	CU-1		50	2			3750	1000						EAN EODOE HEATED FELLO
47	011.0								3750	1000	2	20		FAN FORCE HEATER - FFH-3
49	CU-2		50	2	3750	1666								
51	ERV-1		20	1			1752	1666			3	20		EH-1
53	DH-1		30	2					2500	1666				
55	DI -1		30		2500	0					1	15		
57	CU-4		30	2			1144	0			1	15		
59	00 4								1144	0	1	15		
61				1	1144	0					1	15		
63				1			1144	0		_	1	15		
65	ROOF SERVICE OUTLET	1	20	1					240	0	1	15		
67			15	1	0	0					1	15	-	
69 71			15 15	1			0	0	0	0	1	15 15	-	
' '	<u> </u>			l Load:	0.40	<u> </u>	22/	<u> </u>	,	760	<u> </u>	l 13		
			Tota	ll Amps		06	19	92 92	17	73				
	l Classification	Coni	nected	Load	Den	nand Fa	ctor	Estim	ated De	mand				Panel Totals
Light			2450			100%			2450				ad:(VA)	68856
	eptacle		11160			70%			7812			t. Loac		48934
_	pment (largest motor VA		55246			70%			38672			nn. An		191
	iances		0			0%			0		TTL Es	t. Dem	and:(A)	136
Othe	ers	1	-360			70%		1	-252		1			





155 QUEEN ST NORTH HAMILTON, ONTARIO



25 Main Street West Hamilton, Ontario L8P 1H1 Canada

T: 905-522-0220

Seals

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ELECTRICAL SINGLE LINE DIAGRAM AND PANEL SCHEDULES

Issue Date:		202	3.06.23
Drawn By.:	TL	Checked By:	CL
Project No.:	21424	Drawing Scale:	N.T.S



E5