
































SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
SIGNALING DEVICES			
	HORN		CEILING MOUNTED EMERGENCY EVACUATION SPEAKER
	DOUBLE SIDED HORN		WALL MOUNTED EMERGENCY EVACUATION SPEAKER
	HORN+STROBE COMBINATION. STROBE INTENSITY TO BE MIN. 15CD UNLESS OTHERWISE NOTED.		CEILING MOUNTED EMERGENCY EVACUATION SPEAKER + STROBE COMBINATION. STROBE INTENSITY TO BE MIN. 15CD UNLESS OTHERWISE NOTED.
	DOUBLE SIDED HORN+STROBE COMBINATION. STROBE INTENSITY TO BE MIN. 15CD UNLESS OTHERWISE NOTED.		
	MINI HORN		WALL MOUNTED EMERGENCY EVACUATION SPEAKER + STROBE COMBINATION. STROBE INTENSITY TO BE MIN. 15CD UNLESS OTHERWISE NOTED.
	SPEAKER HORN		
	FIRE ALARM BELL. 103mm(4") UNLESS OTHERWISE NOTED.		CEILING MOUNTED FIRE ALARM STROBE. STROBE INTENSITY TO BE MIN. 15CD UNLESS OTHERWISE NOTED.
	FIRE ALARM BELL/STROBE. 103mm(4") BELL UNLESS OTHERWISE NOTED. 15CD INTENSITY UNLESS OTHERWISE NOTED.		WALL MOUNTED FIRE ALARM STROBE. STROBE INTENSITY TO BE MIN. 15CD UNLESS OTHERWISE NOTED.
	10 MINUTES SILENCE SWITCH FOR SPEAKERS IN SUITES		
ANCILLARY DEVICES			
	ISOLATION MODULE		TROUBLE AND ALARM CONNECTION TO PRE-ACTION CONTROL PANEL
	FIELD INSTALLED ADDRESSABLE CONTROL POINT		FLOOR MOUNTED DOOR HOLD OPEN DEVICE
	*FIRE, DO NOT ENTER* SIGN		WALL MOUNTED DOOR HOLD OPEN DEVICE
	FIRE ALARM PASSIVE GRAPHIC		FIRE ALARM PANEL CONTROL, DSP OR ANNUNCIATOR AS NOTED.
	VIDEO DISPLAY TERMINAL, FOR BUILDING OPERATIONS PERSONNEL		END-OF-LINE RESISTOR TERMINATION
	SUPERVISED FIRE FIGHTERS HAND SET		SMOKE DAMPER, USED IN CONJUNCTION WITH MONITORING DEVICE FOR POSITION ANNUNCIATION AND CONTROL DEVICE
	FIRE ALARM SHUT DOWN		
	FIRE ALARM START UP		
	REMOTE TESTING STATION FOR DUCT SMOKE DETECTORS		
	FIELD INSTALLED MONITORING MODULE FOR ALARM OR SUPERVISORY		

NOTE: NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS

5 FIRE ALARM LEGEND 2 OF 2

























SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	CEILING MOUNTED LINEAR LUMINAIRE. DIMENSIONS AS SHOWN. REFER TO SCHEDULE FOR TYPE.		CEILING MOUNTED WALL WASHER LUMINAIRE. ILLUMINATION DIRECTION DENOTED BY HATCHED SIDE.
	DENOTES FIXTURE ON EMERGENCY/NIGHT LIGHT CIRCUIT.		CEILING MOUNTED TRACK LIGHTING C/W NUMBER OF FIXTURES.
	WALL MOUNTED LINEAR LUMINAIRE. DIMENSIONS AS SHOWN. REFER TO SCHEDULE FOR TYPE.		WALL MOUNTED LUMINAIRE
	CEILING MTD. LUMINAIRE OR BASKET LUMINAIRE. LAMP ORIENTATION AS SHOWN. REFER TO SCHEDULE FOR TYPE.		PENDANT FIXTURE
	EXISTING LUMINAIRE TO BE REMOVED		CEILING MOUNTED LUMINAIRE
	EXISTING LUMINAIRE TO REMAIN		FLOOR MOUNTED LUMINAIRE
	POLE MOUNTED LUMINAIRE. NUMBER OF HEADS SHOWN. REFER TO SCHEDULE FOR FIXTURE AND POLE TYPE.		TRACK LIGHT WITH PENDANT LUMINAIRE AS INDICATED
	CEILING MOUNTED LUMINAIRE WITH GIMBALLED HEADS. REFER TO SCHEDULE FOR TYPE AND NUMBER OF HEADS.		BOLLARD LUMINAIRE
	VERTICAL WALL MOUNTED FLUORESCENT LUMINAIRE		
	CONTINUOUS STRIP LIGHT. REFER TO SCHEDULE FOR FIXTURE TYPE.		
	STAGGERED COVE LIGHT. DIMENSIONS AND NUMBER OF FIXTURES SHOWN. REFER TO SCHEDULE FOR FIXTURE TYPE.		
	RECESSED CEILING MOUNTED REMOTE ADJUSTABLE LUMINAIRE CONNECTED TO EMERGENCY LIGHTING BATTERY UNIT.		EMERGENCY LIGHTING BATTERY UNIT C/W NUMBER OF HEADS SHOWN
	WALL MOUNTED EMERGENCY SINGLE REMOTE HEAD		EMERGENCY LIGHTING BATTERY UNIT
	WALL MOUNTED EMERGENCY DOUBLE REMOTE HEAD		EMERGENCY LIGHTING BATTERY + EXIT LIGHT COMBINATION UNIT C/W NUMBER OF HEADS SHOWN
	CEILING MOUNTED EMERGENCY SINGLE REMOTE HEAD		EXIT LIGHT CEILING MOUNTED C/W FACES AND ARROWS AS INDICATED
	CEILING MOUNTED EMERGENCY DOUBLE REMOTE HEAD		EXIT LIGHT WALL MOUNTED C/W FACES AND ARROWS AS INDICATED

NOTE: NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS

6 LIGHTING LEGEND 1 OF 2
TE-0.1

[illegible]

3 GENERAL AND SYMBOLS AND ABBREVIATIONS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
ALARM INITIATING DEVICES			
	CEILING MOUNTED PHOTO-ELECTRIC SMOKE DETECTOR		AIR SAMPLING SYSTEM C/W SUPERVISORY AND ALARM ZONE
	WALL MOUNTED PHOTO-ELECTRIC SMOKE DETECTOR		MANUAL PULL STATION
	CEILING MOUNTED PHOTO-ELECTRIC SMOKE DETECTOR C/W RELAY BASE		ALARM FLOW SWITCH (SUPPLIED BY OTHERS)
	CEILING MOUNTED RATE-OF-RISE HEAT DETECTOR		ALARM PRESSURE SWITCH (SUPPLIED BY OTHERS)
	WALL MOUNTED RATE-OF-RISE HEAT DETECTOR		ALARM CHECK VALVE (SUPPLIED BY OTHERS)
	CEILING MOUNTED FIXED TEMPERATURE HEAT DETECTOR		ALARM DRY PIPE VALVE (SUPPLIED BY OTHERS)
	WALL MOUNTED FIXED TEMPERATURE HEAT DETECTOR		BEAM SMOKE DETECTOR (TRANSMITTER)
	DUCT TYPE PHOTO-ELECTRIC SMOKE DETECTOR		BEAM SMOKE DETECTOR (RECEIVER)
	CEILING MOUNTED COMBINATION HEAT + SMOKE DETECTOR		FLAME DETECTOR
	LOCAL 120V SMOKE ALARM		
	LOCAL 120V COMBINATION CARBON MONOXIDE AND SMOKE ALARM		
	LOCAL 120V CARBON MONOXIDE DETECTOR		
	LOCAL 120V COMBINATION STROBE AND SMOKE ALARM		
SUPERVISORY INITIATING DEVICES			
	LOW PRESSURE SUPERVISED SWITCH (SUPPLIED BY OTHERS)		
	SPRINKLER SUPERVISED VALVE (SUPPLIED BY OTHERS)		
NOTE: NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS			

4 FIRE ALARM LEGEND 1 OF 2
TE-0.1

ELECTRICAL DRAWING LIST	
TE-0.1	DRAWING LIST AND LEGENDS
TE-0.2	ELECTRICAL LEGENDS
TE-0.3	ELECTRICAL DETAILS
TE-0.4	ELECTRICAL DETAILS
TE-0.5	COMMUNICATIONS DETAILS
TE-0.6	COMMUNICATIONS SPECIFICATIONS
TE-1.1	GROUND FLOOR ELECTRICAL LAYOUT
TE-2.1	SECOND FLOOR LIGHTING AND FIRE ALARM LAYOUT
TE-2.2	SECOND FLOOR POWER AND SYSTEMS LAYOUT
TE-2.3	SECOND FLOOR LIGHTING AND FIRE ALARM DEMOLITION LAYOUT
TE-2.4	SECOND FLOOR POWER AND SYSTEMS DEMOLITION LAYOUT
TE-3.1	THIRD FLOOR ELECTRICAL LAYOUT

CLOSEOUT DOCUMENT CHECKLIST	
ELECTRICAL CONTRACTOR SHALL PROVIDE THE FOLLOWING DOCUMENTS <u>TWO (2) DAYS PRIOR TO OCCUPANCY</u> :	
<ul style="list-style-type: none"> • ESA CERTIFICATE (NOTING ALL NEW DEVICE TYPES AND QUANTITIES TESTED) • EMERGENCY LIGHTING LETTER (LETTER SHALL STATE EMERGENCY LIGHTING HAS BEEN INSTALLED IN ACCORDANCE WITH CONTRACT DOCUMENTS AND LATEST EDITION OF THE ONTARIO BUILDING CODE SECTIONS [3.2.7.3 AND 3.2.7.4].) • CHAIN HUNG LIGHTING LETTER (WRITTEN CONFIRMATION ALL NEW AND RELOCATED CEILING LIGHTING FIXTURES HAVE BEEN SUPPORTED FROM THE STRUCTURE INDEPENDENT FROM SUSPENDED CEILING) • FIRE ALARM VERIFICATION REPORT (COMPLETE WITH AUDIBILITY LEVELS FOR BOTH CLOSED DOOR AND OPEN OPEN DOOR SCENARIO AND NO DEFICIENCIES) 	

1 DRAWING LIST AND CLOSE OUT CHECKLIST

The diagram illustrates the components of circuit identifiers. It is divided into two main sections: one for DP-BXA 11/1 and one for TX-BXA.

DP-BXA 11/1 Breakdown:

- DP:** PANEL TYPE
 - SWGR-MAIN SWITCHGEAR
 - SWBD-SWITCHBOARD
 - DP-347/600V DISTRIBUTION PANELBOARD
 - PP-120/208V DISTRIBUTION PANELBOARD
 - RP-120/208V RECEPTACLE/LIGHTING PANELBOARD
 - LP-LIGHTING PANELBOARD (120V OR 347V, AS INDICATED)
 - SP-SPLITTER
 - LV-LOW VOLTAGE RELAY PANEL
 - TX-TRANSFORMER
- BXA:**
 - 1:** LIGHTING SWITCH/RELAY NUMBER
 - X:** CIRCUIT NUMBER
 - A:** PANEL LETTER
 - Blank:** BLANK-NORMAL POWER
 - X:** X-LIFE SAFETY EMERG.
 - E:** E-NON-LIFE SAFETY EMERG.
 - U:** U-UPS
- 11/1:** FLOOR LOCATION
 - B:** BASEMENT
 - G:** GROUND FLOOR
 - 2:** SECOND FLOOR
 - PH:** PENTHOUSE






































A bracket on the right side of the DP-BXA section indicates that the last characters (11/1) are only shown on floor plans for circuiting.

TX-BXA Breakdown:

- TX:** TRANSFORMER
- BXA:**
 - X:** TRANSFORMER LETTER
 - Blank:** BLANK-NORMAL POWER
 - X:** X-LIFE SAFETY
 - E:** E-EMERGENCY
 - U:** U-UPS
- 11/1:** TRANSFORMER FLOOR LOCATION
 - B:** BASEMENT
 - G:** GROUND FLOOR
 - 2:** SECOND FLOOR
 - PH:** PENTHOUSE

2 DESIGNATION DIAGRAM
TE-0.1

[illegible]

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	ISOLATION TRANSFORMER - DELTA-WYE UNLESS OTHERWISE NOTED.		GROUND FAULT ALARM RELAY
	ISOLATION TRANSFORMER WITH ELECTROSTATIC SHIELD - DELTA-WYE UNLESS OTHERWISE NOTED.		IP BASED POWER QUALITY DIGITAL METER. PROVIDE 21mm(3/4") CONDUIT TO NEAREST TELECOM ROOM.
	MOLDED CASE CIRCUIT BREAKER, SIZE AS SHOWN		EMERGENCY GENERATOR
	LOW VOLTAGE, DRAW-OUT CIRCUIT BREAKER, TRIP PLUG AND FRAME SIZE AS SHOWN		GROUND CONNECTION POINT
	DRAW-OUT VACUUM CIRCUIT BREAKER, PROTECTIVE RELAY FUNCTIONS AND FRAME SIZE AS SHOWN.		ELECTRONIC TRIP SETTING CONTROL (GROUND FAULT)
	FUSIBLE LOAD BREAK ISOLATION SWITCH. VOLTAGE, FUSE AND FRAME SIZE AS SHOWN.		GROUND LOOP
	FUSE		HIGH RESISTANCE GROUND FAULT SYMBOL
	INSULATED CASE CIRCUIT BREAKER		LIGHTNING SURGE ARRESTOR
	INTEGRAL BREAKER AND STARTER UNIT, BREAKER AND FRAME SIZE AS SHOWN		LOAD BANK
	INTEGRAL SWITCH AND FUSE UNIT, FUSE AND FRAME SIZE AS SHOWN		ELECTRONIC TRIP SETTING CONTROL (LONG, SHORT)
	LOAD BREAK ISOLATION SWITCH. VOLTAGE AND FRAME SIZE AS SHOWN.		ELECTRONIC TRIP SETTING CONTROL (LONG, SHORT, INSTANTANEOUS)
	AUTOMATIC TRANSFER SWITCH WITH BY-PASS		ELECTRONIC TRIP SETTING CONTROL (LONG, SHORT, INSTANTANEOUS, GROUND FAULT)
	AUTOMATIC TRANSFER SWITCH WITHOUT BY-PASS		METERING SOCKET
	FIRE PUMP AUTOMATIC TRANSFER SWITCH AND STARTER UNIT (BY OTHERS)		METERING CABINET
	MANUAL TRANSFER SWITCH OR DOUBLE THROW SWITCH		DIGITAL ELECTRONIC METER
	AMMETER		SURGE PROTECTION DEVICE
	AUTO-TRANSFORMER		
	BATTERY		
	CONTACTOR		
	CURRENT TRANSFORMER		
	CURRENT TRANSFORMER (Z.S. - DENOTES ZERO SEQUENCE)		

NOTE: NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS

5 SINGLE LINE DIAGRAM 1 OF 2

[illegible]




































NOTE: NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS

6 SINGLE LINE DIAGRAM 2 OF 2

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	WALL MOUNTED DUPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R		WALL MOUNTED COMBINATION COMMS / QUADPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R. REFER TO DETAIL
	WALL MOUNTED ABOVE COUNTER DUPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R		FLOOR OR CEILING MOUNTED (AS SHOWN) COMBINATION COMMUNICATION / QUADPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R. REFER TO CORRESPONDING DETAIL
	WALL MOUNTED DUPLEX RECEPTACLE 120 VOLT, 20 AMP, CSA 5-20R (T-SLOT)		FLOOR POKE THROUGH COMBINATION COMMUNICATION / QUADPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R. REFER TO CORRESPONDING DETAIL
	WALL MOUNTED ABOVE COUNTER DUPLEX RECEPTACLE 120 VOLT, 20 AMP, CSA 5-20R (T-SLOT)		FLOOR POKE THROUGH AS ABOVE WITH AUDIOVISUAL REQUIREMENT REFER TO DETAIL
	WALL MOUNTED DUPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R, DEDICATED CIRCUIT		WALL MOUNTED COMBINATION COMMS / DUPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R. REFER TO DETAIL
	WALL MOUNTED DUPLEX RECEPTACLE 120 VOLT, 20 AMP, CSA 5-20R, DEDICATED CIRCUIT		FLOOR OR CEILING MOUNTED (AS SHOWN) COMBINATION COMMUNICATION / DUPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R. REFER TO CORRESPONDING DETAIL
	WALL MOUNTED, SPLIT SWITCH CONTROLLED DUPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R		FLOOR POKE THROUGH COMBINATION COMMUNICATION / DUPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R. REFER TO CORRESPONDING DETAIL
	WALL MOUNTED DUPLEX GROUND FAULT RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R		FLOOR POKE THROUGH COMBINATION COMMUNICATION / DUPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R. REFER TO CORRESPONDING DETAIL
	WALL MOUNTED ABOVE COUNTER DUPLEX GROUND FAULT RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R		FLOOR POKE THROUGH AS ABOVE WITH AUDIOVISUAL REQUIREMENT REFER TO DETAIL
	WALL MOUNTED DUPLEX GROUND FAULT RECEPTACLE 120 VOLT, 20 AMP, CSA 5-20R		SYSTEMS FURNITURE FEED POINT FOR POWER & COMMS, CABLING. LETTER DENOTES FEED LOCATION: W= WALL, F= FLOOR, P= PAC POLE, WM = WIREMOLD
	WALL MOUNTED ABOVE COUNTER DUPLEX GROUND FAULT RECEPTACLE 120 VOLT, 20 AMP, CSA 5-20R		CEILING MOUNTED DUPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R
	WALL MOUNTED QUADPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R		CEILING MOUNTED SIMPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R
	WALL MOUNTED DUPLEX RECEPTACLE 120 VOLT, 15 AMP, 2 POLE, SPLIT CIRCUIT		CEILING MOUNTED QUADPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R
	WALL MOUNTED ABOVE COUNTER DUPLEX RECEPTACLE 120 VOLT, 15 AMP, 2 POLE, SPLIT CIRCUIT		FLOOR MOUNTED DUPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R
	WALL MOUNTED SIMPLEX RECEPTACLE 250 VOLT, 15 AMP, 30 CSA 15-15R		FLOOR MOUNTED QUADPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R
	SPECIAL RECEPTACLE TYPE AND DETAILS AS NOTED ON DRAWING.		RACEWAY RECEPTACLE, TYPE AS SPECIFIED CW QUANTITY OF DEVICES INDICATED
	WALL MOUNTED ABOVE COUNTER SIMPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R		SERVICE POLE, TYPE AS SPECIFIED CW QUANTITY OF DEVICES INDICATED
	WALL MOUNTED SIMPLEX RECEPTACLE 120 VOLT, 20 AMP, CSA 5-20R		
	WALL MOUNTED SIMPLEX RECEPTACLE 250 VOLT, 30 AMP, CSA 14-30R		
	WALL MOUNTED SIMPLEX RECEPTACLE 120 VOLT, 30 AMP, CSA 5-30R		
	WALL MOUNTED SIMPLEX RECEPTACLE 250 VOLT, 50 AMP, CSA 14-50R		






















NOTE: NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS

3 POWER LEGEND 1 OF 2

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	FLUSH MOUNTED SINGLE TUB PANEL RATING AS NOTED ON SINGLE LINE/PANEL SCHEDULE		CONTACTOR
	FLUSH MOUNTED DOUBLE TUB PANEL RATING AS NOTED ON SINGLE LINE/PANEL SCHEDULE		GROUND ROD WITH INSPECTION PIT
	SURFACE MOUNTED SINGLE TUB PANEL RATING AS NOTED ON SINGLE LINE/PANEL SCHEDULE		THERMOSTAT-16mm (1/2") CONDUIT TO ACCESSIBLE CEILING SPACE
	SURFACE MOUNTED DOUBLE TUB PANEL RATING AS NOTED ON SINGLE LINE/PANEL SCHEDULE		JUNCTION BOX (SIZE SPECIFIED ON DRAWING)
	TRANSFORMER (SIZE NOTED ON SINGLE LINE DIAGRAM)		ELECTRIC UNIT HEATER
	DISCONNECT		ELECTRIC BASEBOARD HEATER. "X" DENOTES TYPE. REFER TO BASEBOARD HEATER SCHEDULE.
	COMBINATION MANUAL STARTER WITH INTEGRAL DISCONNECT		GROUND BAR
	COMBINATION STARTER WITH INTEGRAL DISCONNECT		HAND DRYER HARD WIRED CONNECTION
	DIRECT CONNECTION		METER
	DIRECT CONNECTION C/W DISCONNECT		RELAY
	MOTOR AND DISCONNECT		PULL BOX
	MOTOR AND RELAY DISCONNECT DISCONNECT		GROUND BUS
	MOTOR AND COMBINATION STARTER WITH INTEGRAL DISCONNECT		DENOTES RECEPTACLE TYPE. REFER TO RECEPTACLE SCHEDULE.
	VARIABLE FREQUENCY DRIVE AND VFD CABLE CONNECTION TO MOTOR. LINE AND LOAD SIDE WIRING OF HARMONIC FILTER AND VFD BY ELECTRICAL CONTRACTOR. MOTOR, VFD AND HARMONIC FILTER SUPPLIED BY MECHANICAL DIVISION.		UTILITY METERING CABINET
	VARIABLE FREQUENCY DRIVE. LINE AND LOAD SIDE WIRING OF HARMONIC FILTER AND VFD BY ELECTRICAL CONTRACTOR. LOAD SIDE WIRING OF VFD TO BE VFD CABLE. VFD AND HARMONIC FILTER SUPPLIED BY MECHANICAL DIVISION.		DOOR BELL/CHIME
			CLOCK WALL MOUNTED
			CLOCK CEILING MOUNTED
			PUSH BUTTON
			MOTOR
	HARMONIC FILTER (SUPPLIED BY MECH. CONTRACTOR UNLESS NOTED OTHERWISE.) LINE AND LOAD SIDE WIRING OF HARMONIC FILTER BY ELECTRICAL CONTRACTOR.		

NOTE: NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS

4 POWER LEGEND 2 OF 2

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SINGLE POLE LINE VOLTAGE LIGHT SWITCH		
	2 GANG - LINE VOLTAGE LIGHT SWITCH		
	3 GANG - LINE VOLTAGE LIGHT SWITCH		
	3 WAY - LINE VOLTAGE LIGHT SWITCH		
	4 WAY - LINE VOLTAGE LIGHT SWITCH		
	LOW VOLTAGE LIGHT SWITCH		
	KEY OPERATED LINE VOLTAGE SWITCH		
	MASTER SWITCH		
	ALL-OFF SWITCH		
	SINGLE POLE 347V SWITCH		
	DIMMER TYPE TO SUIT LOAD		
	CEILING MOUNTED PHOTO CELL SWITCH		
	WALL MOUNTED PHOTO CELL SWITCH		
	DAY LIGHT PHOTO SENSOR		
	TIME SWITCH		
	CEILING MOUNTED OCCUPANCY SENSOR. TYPE DENOTED BY 'X'. REFER TO OCCUPANCY SENSOR SCHEDULE.		
	WALL MOUNTED OCCUPANCY SENSOR. TYPE DENOTED BY 'X'. REFER TO OCCUPANCY SENSOR SCHEDULE.		
	LIGHTING CONTROL MODULE		
	MULTI-ZONE LIGHTING CONTROL PANEL		
	REMOTE STATION WITH PRESET SCENE SELECTION BUTTON		
	PARTITION POSITION INFRARED SENSOR FOR LIGHTING CONTROL		

NOTE: NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS

1 LIGHTING LEGEND 2 OF 2

[illegible]

NOTE: NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS

2 DATA AND COMMUNICATIONS

[illegible]





		BLDG #:		PANEL TAG		LP-2A		DATE MODIFIED: 2024-01-01							
CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND	DESCRIPTION (Item, Room Number(s))	BKR (A)	CT	BKR (A)	DESCRIPTION (Item, Room Number(s))	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND					
		0	Recept MctJan 214	15	1A	2	VBC-2-2			0					
		0	Recept Lby 203, Files 205, Corr 210	15	3B	4	2P			0					
600	0.80	360	Office 218 Receptacle	15	5C	6	15			0					
600	0.80	360	Office 217 Receptacles	15	7A	8	1	VBC-2-3		0					
		0	GF Recept WWIC 224, MMC 225	15	9B	12	3P			0					
		0	Power Plmb WWIC 224, MMC225	15	11C	12	15	Spare		0					
		0	Handicap Dr Operator MMC 225	15	13A	14	15			0					
		0	Recept Lby 303, Corr 208	15	15B	16	1	SPC-G-3		0					
		0	Handicap Dr Operator WWIC 224	15	17C	18	3P			0					
		0	Recept 2 AV Comm RM 206	15	19A	20	15			0					
		0	Recep Comm RM 206	15	21B	22	1	SBC-2-2		0					
		0	Recept Stige 207	15	23C	24	3P			0					
		0	Recept Stige 207	15	25A	26	15			0					
		0	Recept Stige 207	15	27B	28	1	SBC-G-4		0					
		0	GF Recept Storage 207	20	28C	30	3P			0					
		0	Recept AV Storage 207	15	31A	32	15	VBC-2-1		0					
		0	Recept AV Comm RM 206	15	33B	34	2P			0					
		0	AV Screen Comm RM 206	15	35C	36	20	GF Recept Stige 207		0					
		0	Spare 15A 1P	15	37A	38	15	Fridge Recept Stige 207		0					
300	0.80	180	EF-2.1	16	39B	40	15	Spare		0					
600	0.80	300	OFFICE 218 BBH	16	41C	42	16	Office 218 Receptacles	600	0.80	360				
600	0.80	300	OFFICE 217 BBH	16	43A	44	16	Office 215 Receptacles	600	0.80	360				
600	0.80	300	OFFICE 216 BBH	16	45B	46	16	Office 212 Receptacles	600	0.80	360				
600	0.80	300	OFFICE 215 BBH	16	47C	48	16	Office 210 Receptacles	600	0.80	360				
0	0.00	0	Student Living Space 227 Future Power	16	49A	50	16	Writing Centre 208 Receptacle	300	0.60	180				
0	0.00	0	Student Living Space 227 Future Power	16	51B	52	16	Student Living Space 214 Receptacles	600	0.60	360				
0	0.00	0	Student Living Space 227 Future Power	16	53C	54	16	Student Living Space 227 Receptacles	600	0.60	360				
0	0.00	0	Student Living Space 227 Future Power	16	55A	56	16	Student Living Space 227 Receptacles	600	0.60	360				
		0	Space		57B	58	16	Student Living Space 227 Receptacles	600	0.60	360				
		0	Space		59C	60		Space		0					
		0	Space		61A	62		Space		0					
		0	Space		63B	64		Space		0					
		0	Space		65C	66		Space		0					
		0	Space		67A	68		Space		0					
		0	Space		69B	70		Space		0					
		0	Exsting	15	71C	72		Space		0					
BLDG:		Goldring		FLOOR		2		ROOM:		Mechanical		NEW TAG:			
RATINGS:		225 A		120/208V		3 PHASE		4 WIRE		S.C.:					
FED. FROM:		PANEL A:		BLDG #:		214		ROOM #:		BREAKER SIZE		FEEDER SIZE:			
						LP-2A									

NOTES:

(N-1)

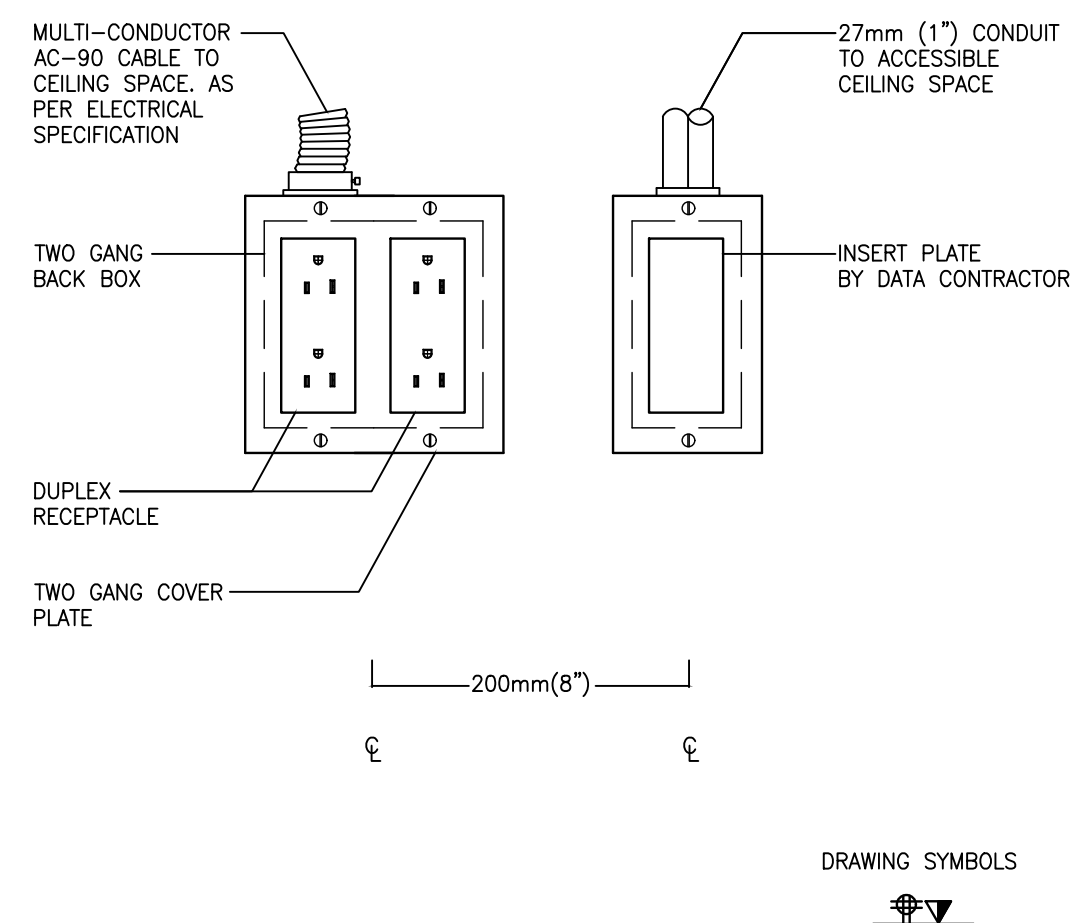
BREAKERS IN BOLD SHALL BE NEW.

LIGHTING CONTROL SCHEDULE			
TYPE	VOLTAGE	DESCRIPTION	MANUFACTURER/CATALOGUE NO.
OS	347V	WALL MOUNTED LIGHT SWITCH C/W DUAL TECH SENSOR	LEGRAND/WATTSTOPPER DSW-301-347
OS ^D	347V	WALL MOUNTED LIGHT SWITCH C/W DUAL TECH SENSOR AND 0-10V DIMMING	LEGRAND/WATTSTOPPER DW-311-347
OS	347V	CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR	LEGRAND/WATTSTOPPER DT-355
⌚	120V	TOGGLE SWITCH	

TYPE	LAMP	VOLTAGE	DESCRIPTION	MANUFACTURER/CATALOGUE NO.
	TYPE			
A 	LED	347V	RECESSED LINEAR T-BAR LIGHT FIXTURE (0-10V DIMMING)	SALEX/LUMENWERX VIA3R-1000LMF-35K-4FT- 347V-D1-1C
A1 	LED	347V	RECESSED LINEAR DRYWALL LIGHT FIXTURE C/W T-BAR MOUNTING	SALEX/LUMENWERX VIA3R MP#: MP4805
B 	LED	120VAC /24VDC	UNDER CABINET LINEAR LED	SALEX/LITELINE LEDBAR58-XX
C 	FLUORESCENT	347V	RELOCATED BASE BUILDING FIXTURE	
H ^D	LED	120V	4" LED POTLIGHT	SALEX/LITELINE SLMT4-8W35K-HO

NOTES:

- (N-1) THE CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT FOR ALL MOUNTING HEIGHTS, COLOR TEMPERATURES AND FINISHED COLOURS PRIOR TO PROCUREMENT
- (N-2) CONTRACTOR TO ALLOW FOR ALL ASSOCIATED COST TO PROVIDE STEP-DOWN TRANSFORMERS FOR THE LIGHT FIXTURES AS REQUIRED.
- (N-3) TYPE A FIXTURE TO BE CUSTOM DRYWALL FIXTURE TO ALLOW FOR FUTURE T-BAR MOUNTING.
- (N-4) RELAMP TYPE C FIXTURE WITH LED RETROFIT TUBE.



NOTES:

- (N-1) PROVIDE CONNECTOR, C/W NYLON BUSHINGS FOR CONDUIT TERMINATIONS WITHIN ACCESSIBLE CEILING SPACE.
- (N-2) PROVIDE PULL STRINGS IN ALL EMPTY CONDUIT.
- (N-3) COVER PLATES BY ELECTRICAL CONTRACTOR.

MORIYAMA & TESHIMA **ARCHITECTS**
mtarch.com

117 George Street, Toronto, Ontario Canada M5A 2N4 416-925-4488
109 Murray Street, Unit 3 Ottawa, Ontario Canada K1N 5M5 613-562-2900

ISSUES/ REVISIONS

No.	Issue	Date
01	ISSUED FOR PERMIT	2023-12
02	ISSUED FOR REVIEW	2023-12
03	ISSUED FOR REVIEW	2024-01
04	ISSUED FOR TENDER	2024-02
05	ISSUED FOR CONSTRUCTION	2024-03

PROJECT CONTACT

NAME: JOHN BEI

TEL: 416-487-8151

EMAIL: john.bei@smithandandersen.com

TEL: 416-487-8151

EMAIL: john.bei@smithandandersen.com

THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ELECTRICAL SPECIFICATION SUBMITTED FOR THIS PROJECT.

Keyplan:

Consultant:



1100 – 100 Sheppard Ave. East, Toronto On, M2N 6N1
416 487 8151 f 416 487 9104 smithandandersen.com

North:

Stamp:

Client:

VICTORIA UNIVERSITY

Project:	Proj. No.: 23501.003.E.0
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150 Charles St W, Toronto, ON M5S 1K9

Title: ELECTRICAL DETAILS

Scale:	N.T.S.	Sheet No. TE
Drawn By:	JB	
Checked By:	NC	

Sheet No.

TE-0.3

			BLDG #:		PANEL TAG		LP-3A		DATE MODIFIED: 2024-01-02	
CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND	DESCRIPTION (Item, Room Number[s])	BKR (A)	CT	BKR (A)	DESCRIPTION (Item, Room Number[s])	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND
		0	Recept Cor 312/305 GF Recept 322	15	1A 2	15	Recept Mech 308			0
		0	Recept Meet RM 307	15	3B 4	15	Space			0
		0	Fridge Recept Meet RM 307	15	5C 4	15	Space			0
		0	Recept Meet RM 307	15	7A 4	15	Recept Work Rm 323			0
		0	Recept Meet RM 307	15	6B 10	15	Recept Work Rm 323			0
		0	Recept Off 306, GF recept Elev A	15	11C 17	15	Recept Cor 324			0
		0	Recept Off 316, Reception 304	15	13A 14	15	Special outlet WWC 309			0
		0	Recept Reception 304	15	15B 16	15	Recept Off 314 / 313			0
		0	Recept Off 316/317/ 316	15	17C 18	15	Recept Off 314			0
		0	Recept Off 318 / 319	15	18A 20	15	GF Recept WWC 309 / MVC310			0
		0	Recept Off 320 / 321	15	21B 22	15	Pmb Power WWC 309 / MVC310			0
		0	Recept Cor 302 / Elev Lby 301	15	23C 24	15	VBC-3-2			0
		0	Recept Roof	15	25A 26	2P				0
		0	Recept Roof	15	27B 28	15	VBC-3-3			0
		0	Heater	15	29C 30	2P				0
		0		2P	31A 32	15	VBC-3-5			0
		0	Special Outlet MVC 310	15	33B 34	2P				0
		0	15A Blower Cal	15	35C 36		Space			0
		0	VBC-3-1	15	37A 38	15	VBC-3-4			0
		0		2P	39B 40	2P				0
		0	Space	41C 42			Space			0
		0	Existing	15	43A 44	15	Existing			0
		0	Existing	15	45B 46	40	Existing			0
		0	Existing	15	47C 48	2P				0
		0	Existing	15	49A 50	20	Kitchenette 323 GFI Receptacle	500	0.30	160
		0	Existing	15	51B 52	20	Kitchenette 323 GFI Receptacle	500	0.30	160
		0	Existing	15	53C 54	15	Kitchenette 323 Light Strip	25	1.00	25
		0	Space	55A 56			Space			0
		0	Space	57B 58			Space			0
		0	Space	59C 60			Space			0
		0	Space	61A 62			Space			0
		0	Space	63B 64			Space			0
		0	Space	65C 66			Space			0
		0	Space	67A 68			Space			0
		0	Space	69B 70			Space			0
		0	Space	71C 72			Space			0
BLDG:		Golding		FLOOR:	3		ROOM:	Mechanical		NEW TAG:
RATINGS:		100 A		120/208V / 3 PHASE		4 WIRE		S.C.:		
FED FROM:		PANEL TAG:		BLDG #:		ROOM #:		BREAKER SIZE		FEEDER SIZE:
		LP-3A				308				

NOTES:

(N-1) BREAKERS IN BOLD SHALL BE NEW.

					LP-GA					DATE MODIFIED 01/02/2024						
CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND	BLDG #	PANEL TAG	DESCRIPTION (Item, Room Number)	(BKR)	CT	OT	BKR	DESCRIPTION (Item, Room Number)	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND			
	0				Elevator - Cab Light	15	1A	2	15	GF Receipt Mens WC 113- Womens WC 112			0			
	0				Receipt Sec office 116	15	3	4	15	Power for plumbing Mens WC 113- Womens WC 112			0			
	0				Receipt M Rm 115	15	5	4	15	Special Outlet Women WC 112			0			
	0				Receipt First Desk 104	15	2A	4	15	Special Outlet electric door strike Vest101			0			
	0				Receipt - Corr 117-Corr 118 - Office 112 - Elev Lobby 125 - Cor 108	15	4B	10	15	Special Outlet electric door strike Vest101			0			
	0				Vest Receipt Vest 101	15	11C	12	15	Special Outlet Mens WC 113			0			
	0				Receipt Office 122 - Copy Rm 123	15	13A	14	15	Receipt Start Est - Vest 103			0			
	0				Receipt Office 121 - Copy Rm 123 - Assistant Dean 120	15	15B	16	15	Spare			0			
	0				Receipt Assistant Dean 120 - Office 119 - Vest 103	15	17C	18	15	Spare			0			
	0				Receipt - Corr 110 - Vtg Area 106	15	19A	20	15	Spare			0			
	0				Receipt Off 107 Off 108	15	21B	22	15	Spare			0			
	0				Receipt Off 106 Off 109	15	23C	24	15	Gen Set Remote Annunciator			0			
	0				Receipt Off 111	15	25A	26	15	Lighting Off 119			0			
	0				Spare	15	27B	28	15	Lighting Ais Dean 120 - Off 121 - Cor 114 120			0			
	0				Photocopier	20	29C	30	15	Lighting Off 107108109			0			
	0				Power Diffuser	15	31A	32	15	Existing Load			0			
25	1.00	26	Kitchennette 103 Light Strip		15	33B	34	20	Kitchennette 103 GF/ Receptacle		500	0.30	160			
			Space		15	35C	36	20	Kitchennette 103 GF/ Receptacle		500	0.30	160			
			Space		37A	38			Space				0			
			Space		39B	40			Space				0			
			Space		41C	42			Space				0			
BLDG: GOLDRING FLOOR: 1					ROOM: STORAGE NEW TAG:											
RATINGS: 225A 120X200V 3 PHASE 4 WIRE 8 C.M. 3 C.C.																
FED. FROM:	PANEL TAG:		LP-GA		BLDG:	ROOM:		REAKER SIZE		FEEDER SIZE:						

NOTES:

- (N-1) BREAKERS IN BOLD SHALL BE NEW.

LEGEND

- NEW
- EXISTING
- DEMOLITION

BASEMENT ELEC ROOM 014

STORAGE 116

SECOND FLOOR MECHANICAL 214

THIRD FLOOR MECHANICAL 308

SECOND FLOOR MECHANICAL 214

EX. 250A,3P

EX. 100A,3P

EX. PANEL "PP-GSC1"
347/600V 400A
3Ø 4W

**EX. 600V-120/208V
225kVA TRANSFORMER
"T-GSC-2"**

EX. 100A,3P

EX. PANEL "LP-3A"
120/208V 225A
42CCTS 3Ø 4W

EX. 100A,3P

EX. PANEL "PP-GSC2"
120/208V 800A
3Ø 4W

EX. PANEL "LP-2A"
120/208V 225A
72CCTS 3Ø 4W

EX. 40A,3P

EX. 100A,3P

EX. 40A,3P

**EX. 600V-120/208V
30kVA TRANSFORMER
"T-3A"**

EX. PANEL "LP-3A"
120/208V 100A
72CCTS 3Ø 4W

EX. PANEL "PP-3F"
347/600V 100A
3Ø 4W

EX. PANEL "LP-2L"
347/600V 125A
18CCTS 3Ø 4W

ISSUES/ REVISIONS

[illegible]

PROJECT CONTACT

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THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ELECTRICAL SPECIFICATION SUBMITTED FOR THIS PROJECT.

Keyplan:

Consultant:



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North:

Stamp:

Client:

VICTORIA UNIVERSITY

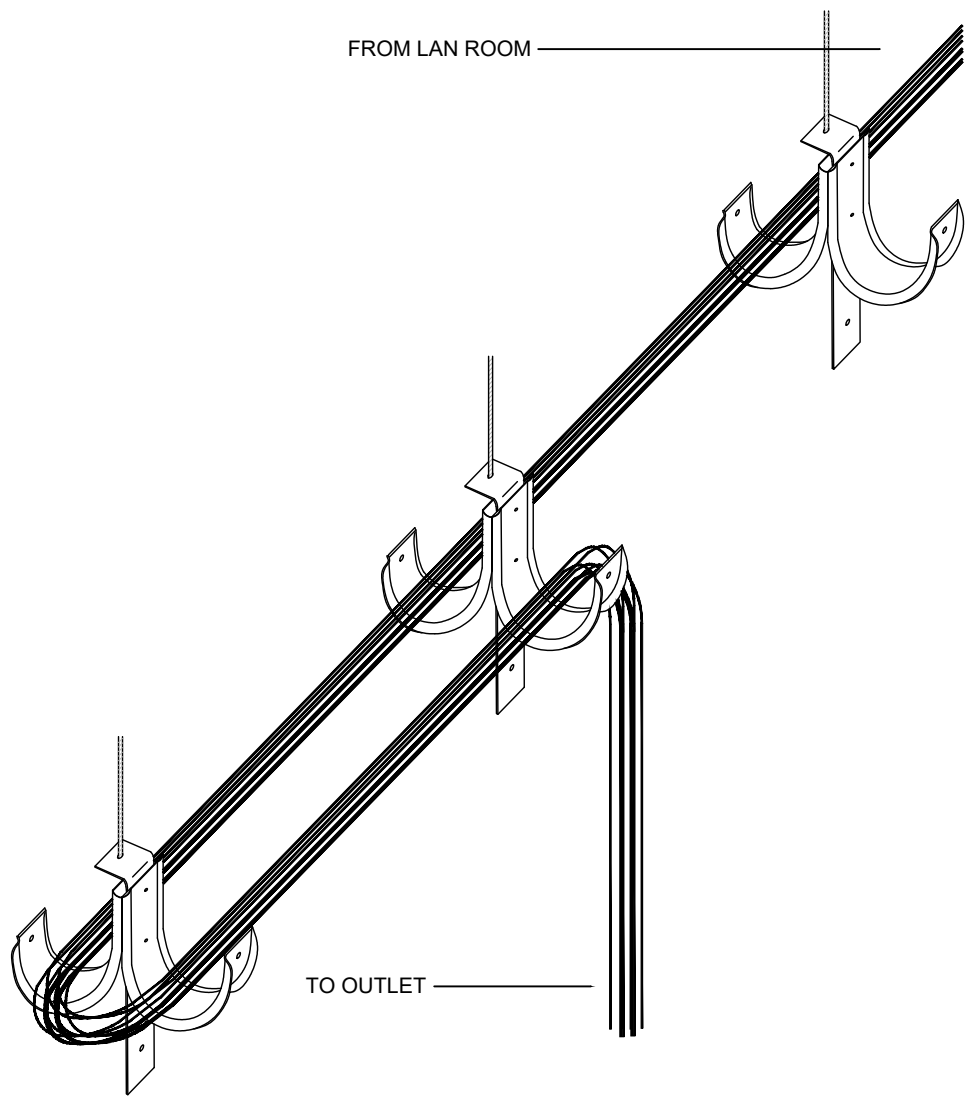
Project:	Proj. No.: 23501.003.E.001
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150 Charles St W, Toronto, ON M5S 1K9

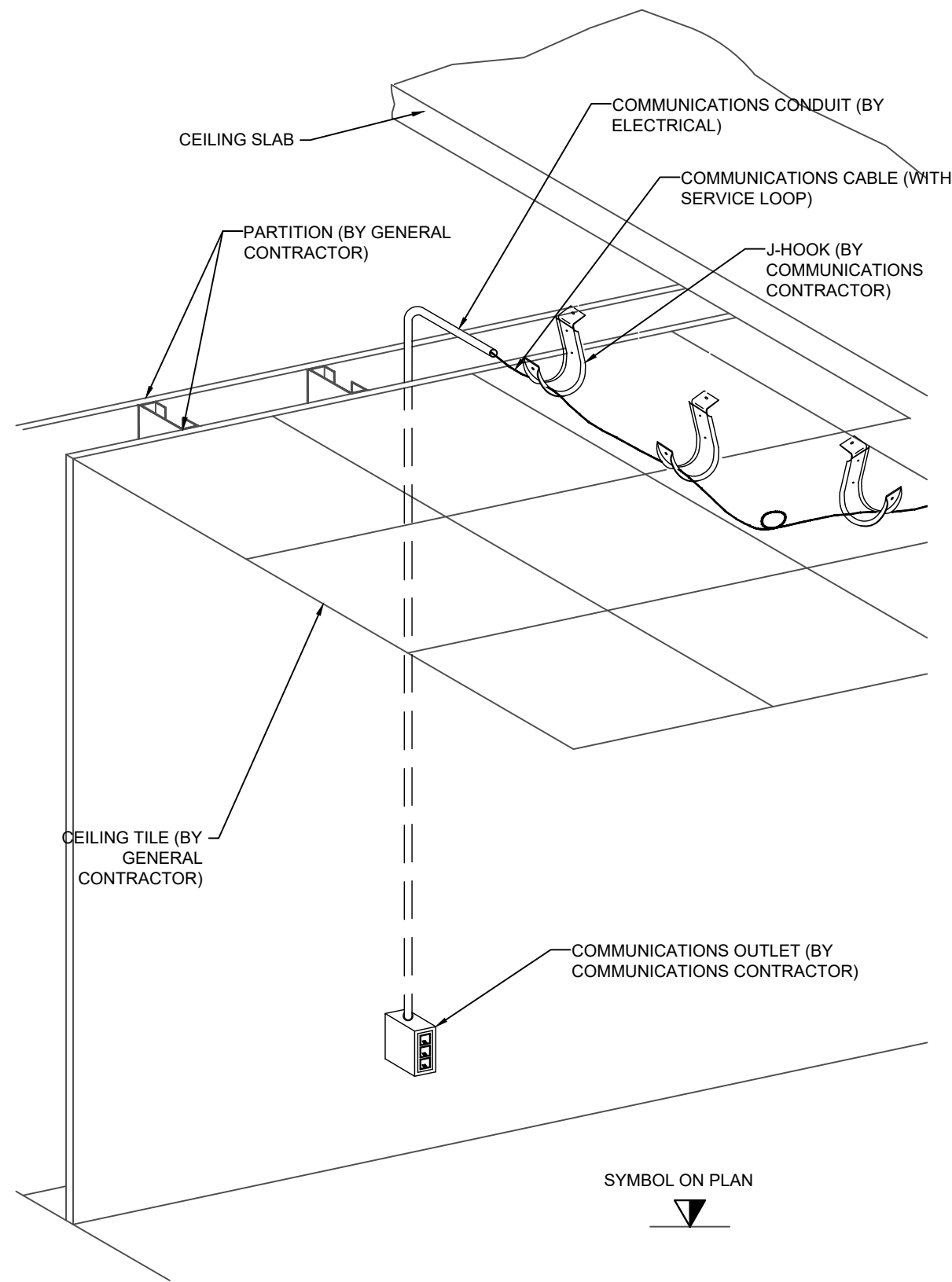
Title:

ELECTRICAL DETAILS

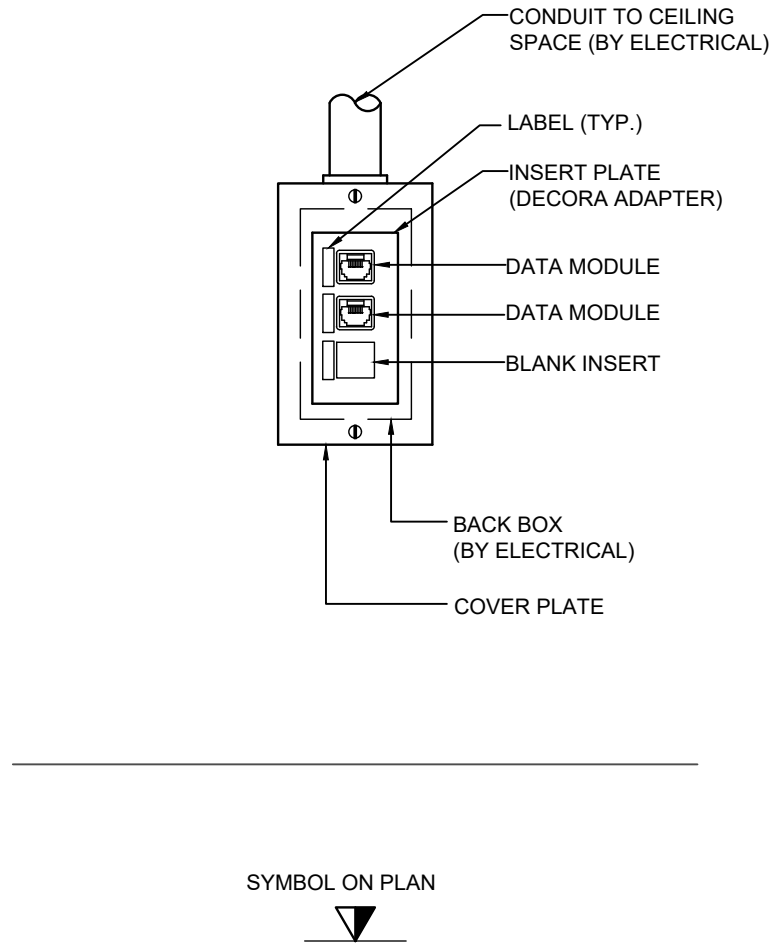
Scale: N.T.S.	Sheet No.: TE-0.4
Drawn By: JB	
Checked By: NC	



5 DUAL J-HOOK WITH PROPER COILED SLACK
SCALE: N.T.S.

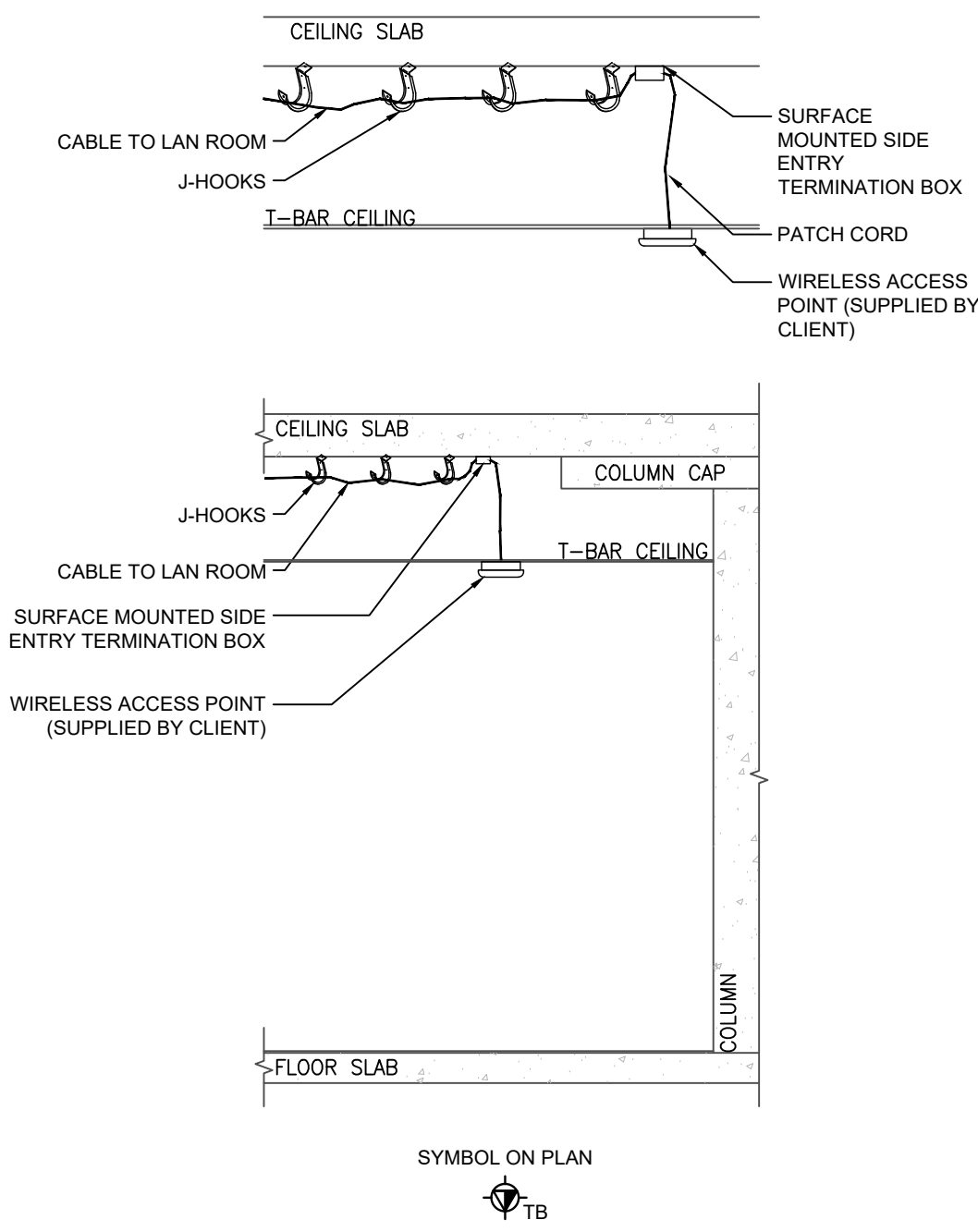


3 TYPICAL COMMUNICATIONS CABLE WALL ROUTING DETAIL - ACCESSIBLE CEILING
SCALE: N.T.S.



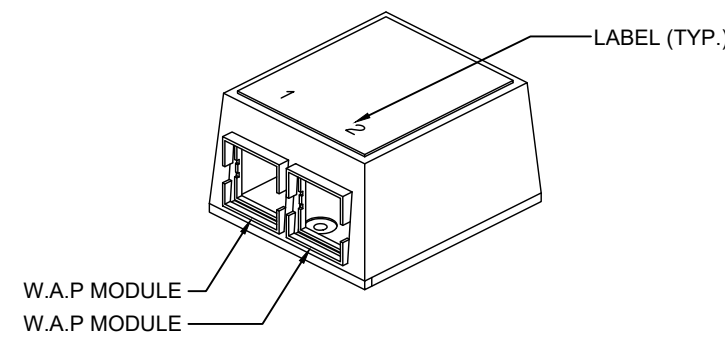
- NOTES:
- N-1 REFER TO COMMUNICATIONS CABLING LAYOUT FOR EXACT DATA OUTLET QUANTITIES.
 - N-2 FOR COMMUNICATIONS CABLING, FACEPLATE, INSERT PLATES, JACKS, BLANK INSERT AND LABELING REFER TO COMMUNICATIONS SPECIFICATION.
 - N-3 CONDUIT AND BACKBOX BY ELECTRICAL.

1 TYPICAL WALL MOUNTED COMMUNICATIONS 3-PORT OUTLET DETAIL
SCALE: N.T.S.



- NOTES:
- N-1 ALL CONDUIT TO BE SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR. ELECTRICAL TO PROVIDE PULL STRINGS IN EMPTY CONDUITS. CO-ORDINATE EXACT LOCATIONS ON SITE WITH COMMUNICATIONS CONTRACTOR.
 - N-2 COMMUNICATION CONTRACTOR TO PROVIDE ALL COMMUNICATIONS CABLING AND COMPONENTS.

4 WIRELESS ACCESS POINT ROUTING AND TERMINATION DETAIL - ACCESSIBLE CEILING
SCALE: N.T.S.



- NOTES:
- N-1 PROVIDE AN ADDITIONAL 20 FOOT SERVICE LOOP FOR WIRELESS ACCESS POINT CABLES.
 - N-2 INSTALL CLIENT SUPPLIED WIRELESS ACCESS POINTS.

2 2-PORT SURFACE MOUNTED TERMINATION BOX DETAIL
SCALE: N.T.S.

MORIYAMA & TESHIMA ARCHITECTS

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ISSUES/ REVISIONS

No.	Issue	Date
01	ISSUED FOR TENDER	2024-02-02
02	ISSUED FOR CONSTRUCTION	2024-03-28

PROJECT CONTACT

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Keyplan:

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Client:

VICTORIA UNIVERSITY

Project: GOLDRING STUDENT CENTRE RENEWAL Proj. No.: 23501.003.E.001

150 Charles St W, Toronto, ON M5S 1K9

COMMUNICATION DETAILS

Scale: N.T.S.

Drawn By: JB

Checked By: NC

Sheet No.:

TE-0.5



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ISSUES/ REVISIONS

PROJECT CONTACT

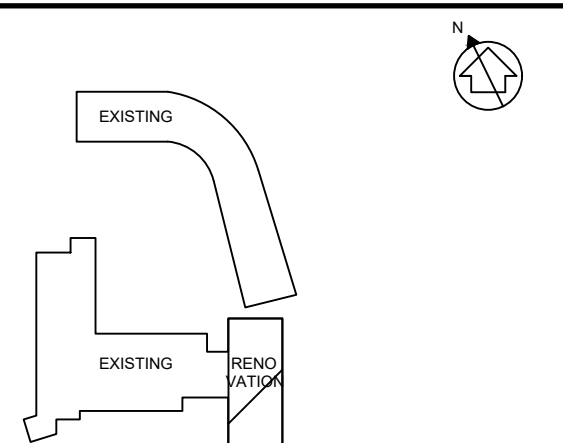
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Keyplan:



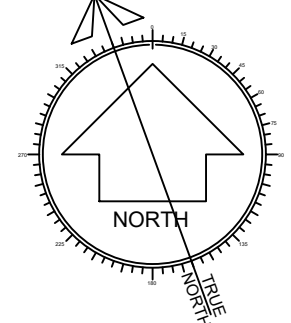
Consultant:



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Stamp:

Client:

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Project:	Proj. No.: 23501.003.E.001
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GOLDRING STUDENT CENTRE
RENEWAL

150 Charles St W, Toronto, ON M5S 1K9

Title: GROUND FLOOR ELECTRICAL LAYOUT

Scale: 1:100

Sheet No.:

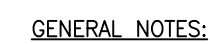
Drawn By: JB

JB

Checked By: NC

TE-1.1

TE-1.1



1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS FOR DIMENSIONS, HEIGHTS, CONSTRUCTION DETAILING, FINISHES AND COLOURS.
2. CIRCUITING IN PART IS DIAGRAMMATIC INTENDED TO SHOW GENERAL CIRCUIT ARRANGEMENT AND PANEL DESIGNATION.
3. PROVIDE EMT CONDUIT IN AREAS WITH EXPOSED CEILINGS, BAY CABLEING IS NOT ACCEPTABLE UNLESS OTHERWISE NOTED. BAY CABLES MAY BE USED FOR FINAL CONNECTIONS TO RECEPTACLES OR EQUIPMENT WITH A MAXIMUM HORIZONTAL RUN LENGTH OF 3 FEET. REJECTED LUMINAIRES TO MATCH ARCHITECTURAL BACKGROUND, MOUNT EXIT SIGNS, OCCUPANCY SENSORS, EXIT SIGNS, CAMERAS, WAPS AND ANY OTHER CEILING MOUNTED DEVICES WITH STEMS SUCH THAT THEY ARE ON THE SAME PLANE AS SUSPENDED LIGHTING FIXTURES, COORDINATE CEILINGS AND WALL HEIGHTS WITH INTERIOR DESIGNER DRAWINGS.
4. REFER TO LIGHTING LAYOUT SHOWN FOR FINAL LOCATION ONLY. VISIT THE SITE AND VERIFY THE EXACT LOCATION OF EACH LUMINAIRE TO BE RELOCATED AND/OR RETAINED IN EXISTING LOCATION. PROVIDE NEW LUMINAIRES TO MATCH EXISTING WHERE INSUFFICIENT QUANTITY EXIST TO SUIT. PURCHASE ALL THE NEW BASE BUILDING STANDARD FLUORESCENT LUMINAIRES FROM THE LANDLORD. ALL RELOCATED LUMINAIRES SHALL HAVE WIRING EXTENDED TO SUIT NEW LOCATION. ALL UNUSED EXISTING LUMINAIRES TO LANDLORD AND TURN OVER ALL SELECTED LUMINAIRES AT A PLACE DESIGNATED BY LANDLORD. DISPOSE OF ALL LUMINAIRES REJECTED BY LANDLORD.
5. ALL NEW/RELOCATED/REINSTALLED BASE BUILDING STANDARD LUMINAIRES AND NEW RECESSED DOWN LIGHTS SHALL BE CHAIN HUNG AND SUPPORTED FROM THE SLAB ABOVE. PROVIDE LETTER TO BE INCLUDED AS PART OF CLOSE-OUT DOCUMENT SUBMITTAL PACKAGE.
6. RELAMP EXISTING AND RELOCATED LUMINAIRES DUE TO BURNED CONDITIONS AND REPLACE FAULTY BALLASTS AS REQUIRED. INCLUDE IN BASE PACKAGE.
7. REWORK EXISTING EMERGENCY LIGHTING TO ACHIEVE NEW EMERGENCY LIGHTING AS SHOWN. COORDINATE WITH AND/OR RELOCATED LUMINAIRES TO NEAREST EMERGENCY LIGHTING CIRCUITS ON THIS FLOOR.
8. MEASURE THE ILLUMINATION OF THE FLOOR AT NIGHT WITH EMERGENCY LIGHTING ON ONLY, AND SEND A DRAWING SHOWING THE MAXIMUM AND MINIMUM LEVEL OF ILLUMINATION, TO THE CONSULTING ENGINEER, FOR REVIEW. PROVIDE WRITTEN CONFIRMATION THAT EMERGENCY LIGHTING HAS BEEN INSTALLED IN ACCORDANCE WITH CONTRACT DOCUMENTS. PROVIDE LETTER TO THE EDITION OF THE CONTRACT DOCUMENT SECTIONS 3.2.3 AND 3.2.4. LETTER TO BE INCLUDED AS PART OF CLOSE-OUT DOCUMENT SUBMITTAL PACKAGE.
9. PROVIDE NEW PICTORAM (RUNNING MAN) TYPE EXIT SIGNS, EMO AND THOMAS AND BETTS EA SERIES COMPLETE WITH BRUSHED ALUMINUM FINISH, FACES AND INDICATOR ARROWS AS PER DRAWINGS AND UNIVERSAL 120-344V VOLTAGE INPUT UNLESS OTHERWISE NOTED. CONNECT NEW EXIT SIGNS TO THE NEAREST AVAILABLE SPARE EXIT LIGHTING CIRCUIT. DO NOT RELOCATE THE CIRCUIT, ALLOW FOR THREE (3) ADDITIONAL EXIT SIGNS (COMPLETE WITH MATERIAL AND LABOUR) TO BE INSTALLED AS PER BUILDING INSPECTORS' REQUIREMENTS UPON FINAL INSPECTION.
10. LOCATE AND POSITION EXIT SIGNS SUCH THAT THEY DO NOT INTERFERE WITH ADJACENT EXIT SIGNS AND EMERGENCY LIGHTING COVERAGE.
11. ALL MODIFICATIONS TO FIRE ALARM SYSTEM AND DEVICES TO BE COMPLETED BY BASE BUILDING FIRE ALARM CONTRACTOR AND VENDOR/MANUFACTURER. BASE BUILDING FIRE ALARM CONTRACTOR/VENDOR/MANUFACTURER IS RESPONSIBLE TO ENSURE THAT ALL ADDITIONAL COMPONENTS (MATERIAL, SOFTWARE, INCLUDING ANY LABOUR TO INSTALL OR REPLACE FIRE ALARM DEVICES) ARE INCLUDED FOR BASED ON ISSUED DRAWINGS. ELECTRICAL CONTRACTOR TO ALLOW FOR ALL ASSOCIATED COSTS. NEW FIRE ALARM HORN/STROBES ARE TO MATCH EXISTING AND BE CONNECTED TO NEAREST AVAILABLE SPARE EMERGENCY ZONE CIRCUIT(S). CONNECT NEW HORN/STROBES TO EXISTING CIRCUITS, WHERE THERE IS SUFFICIENT CAPACITY TO DO SO. IF THERE IS NO CAPACITY ON EXISTING CIRCUITS, PROVIDE NEW FIRE ALARM CIRCUITS. ALLOW FOR ALL ASSOCIATED COSTS INCLUDING BUT NOT LIMITED TO: ASSOCIATED EQUIPMENT, DEVICES, PROGRAMMING, TESTING AND VERIFICATION TO BE COMPLETED BY THE CONTRACTOR. COORDINATE WITH FIRE ALARM VERIFICATION SHALL CONFORM TO CAN/ULC-5537 LATEST EDITION. FIRE ALARM SYSTEM SHALL BE INSTALLED IN CONFORMANCE WITH CAN/ULC-5524 LATEST EDITION. ALLOW FOR TWO (2) ADDITIONAL FIRE ALARM DEVICES (COMPLETE WITH MATERIAL AND LABOUR) TO BE INSTALLED AS PER BUILDING INSPECTORS' REQUIREMENTS UPON FINAL INSPECTION.
12. ENSURE THAT ALL LIGHTING FIXTURES ARE CLEAN AND ILLUMINATED BY END OF PROJECT.
13. REWORK EXISTING SWITCHING TO ACCOMMODATE THE NEW LIGHTING LAYOUT WITHIN THE TENANT SPACE.
14. REMOVE EXISTING CIRCUIT FOUND IN CEILING SPACE FOR ALL NEW LIGHTING FIXTURES UNLESS OTHERWISE NOTED. CONTRACTOR TO PROVIDE ADDITIONAL CIRCUITS WHERE REQUIRED. NEW LOW VOLTAGE SWITCH ARRANGEMENT OF LIGHTING TO BE CO-ORDINATED WITH LANDLORD AND REARRANGED TO SUIT NEW LAYOUT. ALL LIGHTING, EXCLUDING NEW, INSTALLED BY THE TENANT PERMITTEE SHALL BE ON A SEPARATE FIRE ZONE AND TO BE CONTROLLED BY BASE BUILDING LIGHTING CONTROL SYSTEM. PROVIDE ALL NECESSARY RELAYS, CONTACTORS, RELAY PANELS, AND DRY INTERFACES REQUIRED FOR SUCH CONTROL. INCLUDE COST IN THIS CONTRACT.
15. REWORK EXISTING 347V ZONE CIRCUITS TO ACHIEVE NEW LIGHTING AS SHOWN. CONNECT ALL LUMINAIRES TO THE NEAREST AVAILABLE SPARE EMERGENCY ZONE CIRCUIT. PROVIDE MASTER SWITCHES AS SHOWN, IN EACH AREA TO CONTROL LIGHTING. PROVIDE ALL RELAYS AND CONTACTORS TO ACHIEVE DESIGNED FUNCTION.
16. PROVIDE NEW LUMINAIRE DISCONNECTS THAT COMPLY WITH REQUIREMENTS SPECIFIED IN OESC PART 1, RULE 30-308(4) LATEST EDITION FOR ALL LIGHT FIXTURES THAT EXCEEDED 150V SHOWN AS NEW AND/OR RELOCATED. ALL NEW AND RELOCATED FIXTURES (THAT EXCEEDED 150V) SHALL BE MARKED IN A CONSPICUOUS, LEGIBLE, AND PERMANENT MANNER AS DISCONNECTED. THIS MEANS, IDENTIFYING THE SPECIFIC PURPOSE.
17. COORDINATE INSTALLATION OF FIXTURES WITH MECHANICAL EQUIPMENT, ELECTRICAL EQUIPMENT, SPRINKLERS AND DUCT WORK WITH OTHER TRADES PRIOR TO WORK COMMENCING. NO ADDITIONAL COST WILL BE APPROVED FOR ANY REVISIONS/MODIFICATIONS REQUIRED BY ANY TRADE OR CONTRACTOR DUE TO THE LACK OF COORDINATION BETWEEN TRADES AND CONTRACTORS.
18. ALL CEILING MOUNTED OCCUPANCY SENSORS PROVIDED AS PART OF THIS SCOPE OF WORK MUST BE LOCATED AT LEAST 6'0" AWAY FROM ANY SUPPLY AIR DIFFUSER AND RETURN AIR DIFFUSER. THE MANUFACTURER SHALL BE RESPONSIBLE FOR THE CORRECT INSTALLATION ON SITE WITH MECHANICAL CONTRACTOR PRIOR TO COMMENCING WORK.

DRAWING NOTES:

- (N-1) CEILING MOUNTED OCCUPANCY SENSOR FOR CORRIDOR LIGHTING.
- (N-2) TYPE A1 FIXTURES WITH DRYWALL MOUNTING. ADDITIONAL T-BAR MOUNTING HARDWARE TURNED OVER TO OWNER.

UNIT PRICE NOTES:

- U-1 PROVIDE UNIT PRICE TO REPLACE ONE (1) EXISTING RED EXIT SIGN WITH GREEN PICTOGRAM.

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ISSUES/ REVISIONS

No.	Issue	Date
01	ISSUED FOR PERMIT	2023-12-0
02	ISSUED FOR REVIEW	2023-12-1
03	ISSUED FOR REVIEW	2024-01-1
04	ISSUED FOR TENDER	2024-02-0
05	ISSUED FOR CONSTRUCTION	2024-03-2

PROJECT CONTACT

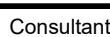
NAME: JOHN BEI

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THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ELECTRICAL SPECIFICATION SUBMITTED FOR THIS PROJECT.

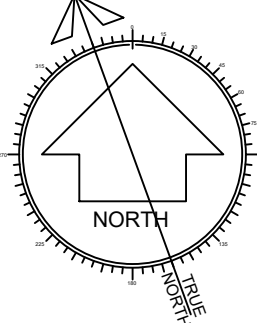
Keyplan:



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North



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Client

VICTORIA UNIVERSITY

Project: Proj. No.: 23501.003.E.001

GOLDRING STUDENT CENTRE RENEWAL

150 Charles St W, Toronto, ON M5S 1K9

SECOND FLOOR LIGHTING AND FIRE ALARM LAYOUT

Scale: 1:100

Drawn By: JB

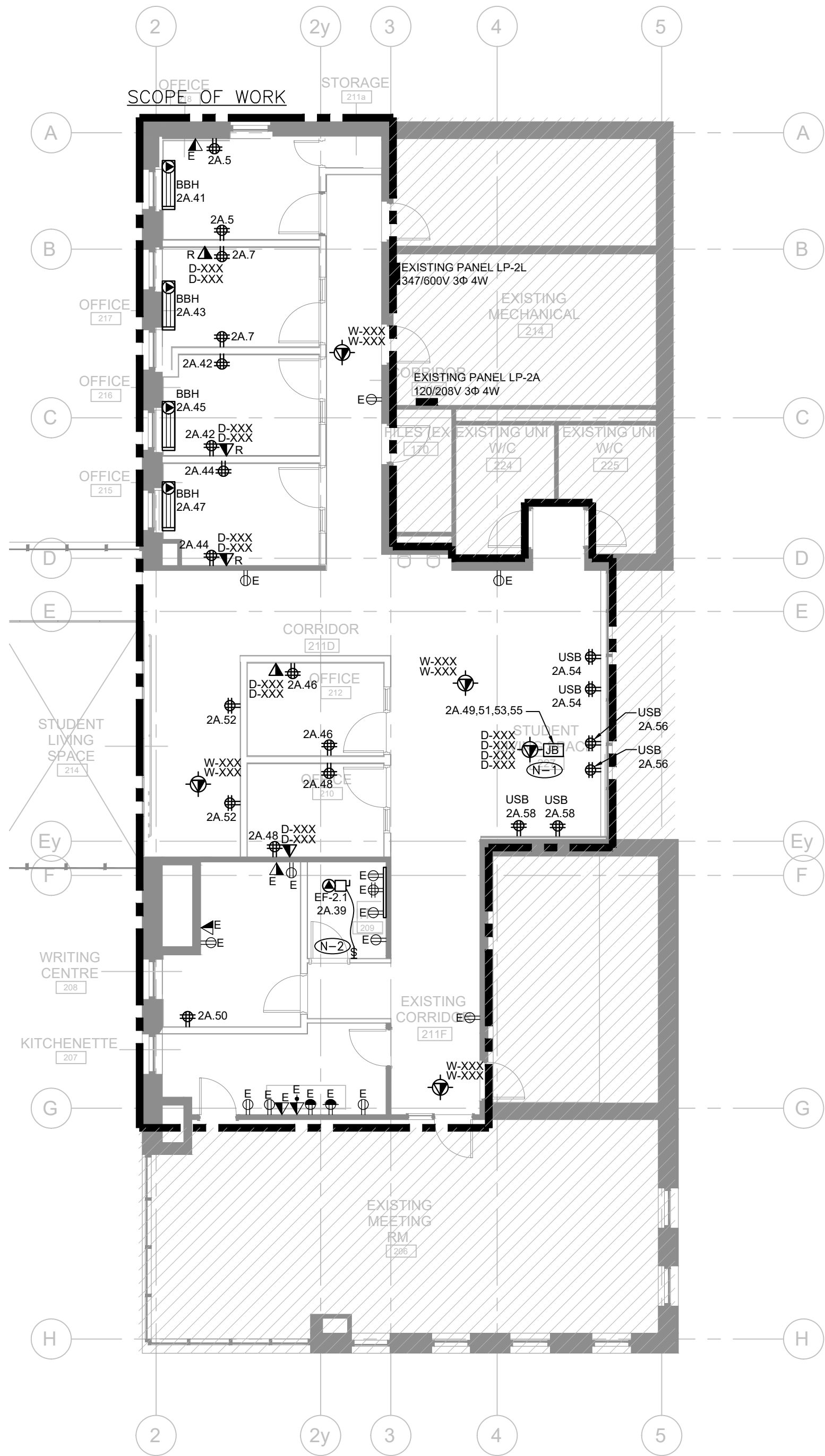
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TE-2.1



- GENERAL NOTES:
- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS FOR DIMENSIONS, HEIGHTS, CONSTRUCTION DETAILING, FINISHES AND COLOURS.
 - CIRCUITING IN PART IS DIAGRAMATIC INTENDED TO SHOW GENERAL CIRCUIT ARRANGEMENT AND PANEL DESIGNATION.
 - PROVIDE EMT CONDUIT IN AREAS WITH EXPOSED CEILINGS, BX CABLING IS NOT ACCEPTABLE UNLESS OTHERWISE NOTED. BX CABLES MAY BE USED FOR FINAL CONNECTIONS TO LIGHTING FIXTURES OR EQUIPMENT WITH A MAXIMUM HORIZONTAL RUN LENGTH OF 3 FEET / 1 METER. PAINT CONDUITS TO MATCH ARCHITECTURAL BACKGROUNDS. MOUNT EXIT SIGNS, OCCUPANCY SENSORS, EXIT SIGNS, CAMERAS, WAPS AND ALL OTHER CEILING MOUNTED DEVICES WITH STEMS SUCH THAT THEY ARE ON THE SAME PLANE AS SUSPENDED LIGHTING FIXTURES. COORDINATE CEILINGS AND WALL HEIGHTS WITH INTERIOR DESIGNER DRAWINGS.
 - REUSE CIRCUITS OBTAINED THROUGH DEMOLITION IS ACCEPTABLE.
 - VERIFY EXACT POWER REQUIREMENTS AND RECEPTACLE TYPES FOR SPECIAL EQUIPMENT WITH MANUFACTURER PRIOR TO INSTALLATION. PROVIDE HARDWARE CONNECTIONS FOR DISHWASHERS AND COPIERS ETC. IN LIEU OF RECEPTACLES OR VICE VERSA, AS REQUIRED.
 - REFER TO ARCHITECT DRAWINGS FOR THE COLOUR OF COVERPLATES AND MOUNTING HEIGHTS.
 - MARK UP OUTLET AND DEVICE LOCATIONS AND OBTAIN APPROVAL BY DESIGN CONSULTANT PRIOR TO INSTALLATION.
 - PROVIDE SUITABLE LABELS ON ALL RECEPTACLES AND SYSTEM FURNITURE FEEDS. LABELS TO INCLUDE BOTH PANEL AND CIRCUIT DESIGNATION. REVIEW LABEL SIZE AND TYPE WITH CONSULTANT PRIOR TO INSTALLATION.
 - TRACE ALL EXISTING OUTLETS, NOTED AS EXISTING, AND IDENTIFY ON AS BUILT DRAWING AS PER SPECIFICATION.
 - CONFIRM ELECTRICAL REQUIREMENTS AND EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL DRAWINGS AND CONTRACTOR PRIOR TO ROUGH-INS. NO ADDITIONAL COST WILL BE APPROVED FOR ANY REVISIONS/MODIFICATIONS REQUIRED BY ANY TRADE OR CONTRACTOR DUE TO THE LACK OF COORDINATION BETWEEN TRADES AND CONTRACTORS.
 - ROUTE ALL CONDUIT SYSTEMS AROUND DUCT WORK, BEAMS AND PIPING AS REQUIRED TO ACCOMMODATE LAYOUT SHOWN. REFER TO MECHANICAL DRAWINGS AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL DETAILS.

- DRAWING NOTES:
- (N-2) POWER AND DATA CONNECTIONS FOR FUTURE USE. POWER TO BE TERMINATED IN CEILING JUNCTION BOX AS SHOWN. COMMUNICATIONS CONTRACTOR TO COIL CABLES IN THE CEILING. TERMINATE, LABEL, TEST, CERTIFY, AND PROVIDE PATCH CORDS FOR CABLES IN ACCORDANCE WITH THE COMMUNICATIONS SPECIFICATIONS.
 - (N-2) EF-2.1 TO BE CONTROLLED BY REVERSE ACTING THERMOSTAT PROVIDED BY MECHANICAL INSTALLED BY ELECTRICAL.

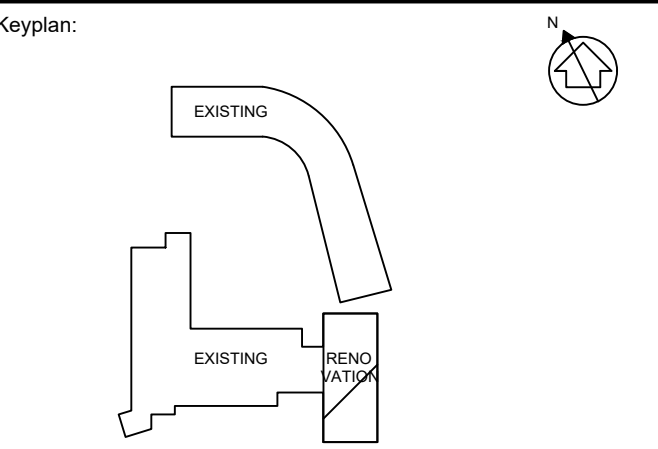
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ISSUES/ REVISIONS		
No.	Issue	Date
01	ISSUED FOR PERMIT	2023-12-04
02	ISSUED FOR REVIEW	2023-12-19
03	ISSUED FOR REVIEW	2024-01-12
04	ISSUED FOR TENDER	2024-02-02
05	ISSUED FOR CONSTRUCTION	2024-03-28

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VICTORIA UNIVERSITY

Project: GOLDRING STUDENT CENTRE RENEWAL
150 Charles St W, Toronto, ON M5S 1K9
Proj. No.: 23501.003.E.001

Title:

SECOND FLOOR POWER AND SYSTEMS LAYOUT

Scale: 1:100	Sheet No.:
Drawn By: JB	TE-2.2
Checked By: NC	

- GENERAL NOTES:

1. REFER TO THE ARCHITECT'S DRAWINGS TO DETERMINE COMPLETE EXTENT OF DEMOLITION AND ALLOW FOR ALL COSTS. COMPLETE EXTENT OF DEMOLITION IS NOT SHOWN.
2. REMOVE ALL FLOOR, COLUMN, CEILING, AND WALL MOUNTED POWER, TELEPHONE/DATA OUTLETS, CABLING AND CONDUIT NOT REQUIRED, TO SUIT NEW LAYOUT AND MAKE SAFE. VISIT SITE TO DETERMINE EXACT REQUIREMENTS AND REFER TO DEMOLITION DRAWINGS.
3. REMOVE FLOOR MONUMENT(S) AND ALL ASSOCIATED CONDUIT(S) AND WIRE BACK TO SOURCE. MAKE GOOD ALL FLOOR PENETRATIONS TO COMPLY WITH CURRENT LOCAL APPLICABLE CODES.
4. ENSURE THAT ALL EXISTING ELECTRICAL DEVICES, EQUIPMENT AND LIGHTING WITHIN BASE BUILDING ROOMS, STAIRWELLS AND AREAS DEEMED NOT IN SCOPE, REMAIN LIVE OPERATIONALLY, ISOLATED AND PROTECTED DURING CONSTRUCTION.
5. NO ADDITIONAL COST WILL BE APPROVED FOR ANY REVISIONS/MODIFICATIONS REQUIRED BY ANY TRADE OR CONTRACTOR DUE TO THE LACK OF COORDINATION BETWEEN TRADES AND CONTRACTORS.
6. COORDINATE WITH GENERAL CONTRACTOR AND LANDLORD FOR DISPOSAL OF ALL MATERIALS FROM SITE.

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No.	Issue	Date
01	ISSUED FOR PERMIT	2023-12-04
02	ISSUED FOR REVIEW	2023-12-19
03	ISSUED FOR REVIEW	2024-01-12
04	ISSUED FOR TENDER	2024-02-02
05	ISSUED FOR CONSTRUCTION	2024-03-28

PROJECT CONTACT

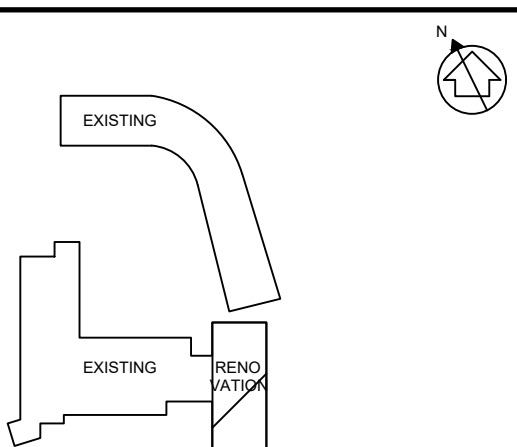
NAME: JOHN BEI

TEL: 416-487-8151

EMAIL: john.bei@smithandandersen.com

THIS DRAWING SHALL BE READ IN CONJUNCTION WITH
ELECTRICAL SPECIFICATION SUBMITTED FOR THIS
PROJECT.

Keyplan:



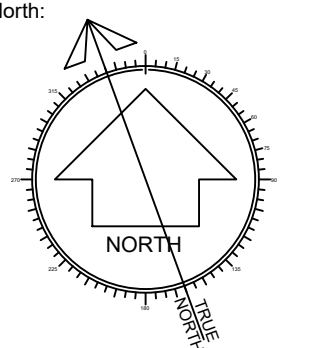
Consultant:



Smith + Andersen

1100 - 100 Sheppard Ave. East, Toronto On, M2N 6N5
416 487 8151 f 416 487 9104 smithandandersen.com

North:



Stamp:

Client:	
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VICTORIA UNIVERSITY

Project:	Proj. No.: 23501.003.E.001
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150 Charles St W, Toronto, ON M5S 1K9

Title:

SECOND FLOOR LIGHTING
AND FIRE ALARM DEMOLITION
LAYOUT

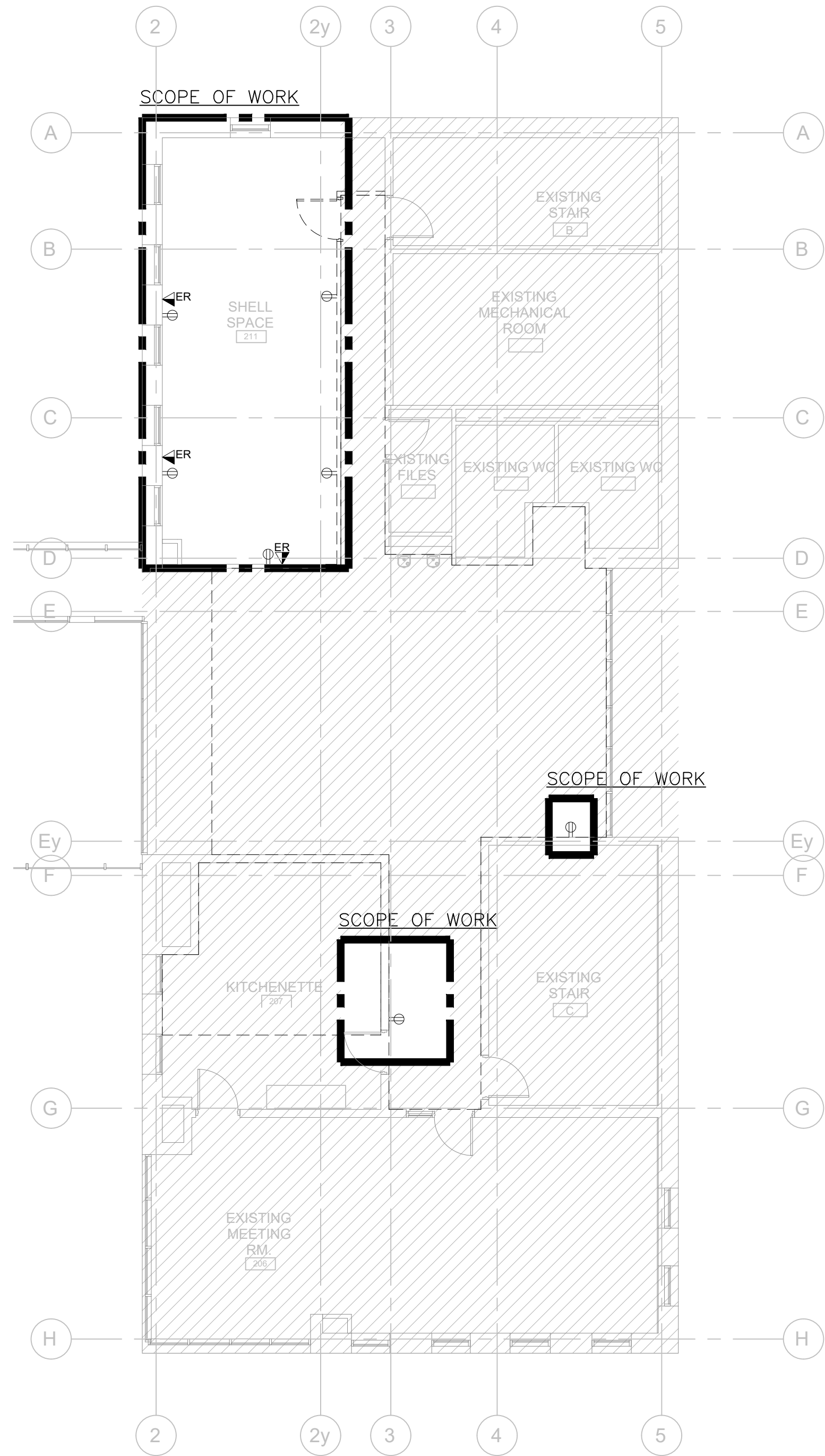
Scale: 1:100

Drawn By: JB

Checked By: NC

Sheet No.:

TE-2.3



- GENERAL NOTES:
- REFER TO THE ARCHITECT'S DRAWINGS TO DETERMINE COMPLETE EXTENT OF DEMOLITION AND ALLOW FOR ALL COSTS. COMPLETE EXTENT OF DEMOLITION IS NOT SHOWN.
 - REMOVE ALL FLOOR, COLUMN, CEILING, AND WALL MOUNTED POWER, TELEPHONE/DATA OUTLETS, CABLING AND CONDUIT NOT REQUIRED TO SUIT NEW LAYOUT AND MAKE SAFE. VISIT SITE TO DETERMINE EXACT REQUIREMENTS AND REFER TO DEMOLITION DRAWINGS.
 - MAKE GOOD ALL CORE HOLES FROM ELECTRICAL EQUIPMENT AND DEVICES DISCONNECTED, RELOCATED AND OR REMOVED IN THIS PROJECT.
 - REMOVE FLOOR MONUMENT(S) AND ALL ASSOCIATED CONDUIT(S) AND WIRE BACK TO SOURCE. MAKE GOOD ALL FLOOR PENETRATIONS TO COMPLY WITH CURRENT LOCAL APPLICABLE CODES.
 - NO ADDITIONAL COST WILL BE APPROVED FOR ANY REVISIONS/MODIFICATIONS REQUIRED BY ANY TRADE OR CONTRACTOR DUE TO THE LACK OF COORDINATION BETWEEN TRADES AND CONTRACTORS.
 - COORDINATE WITH GENERAL CONTRACTOR AND LANDLORD FOR DISPOSAL OF ALL MATERIALS FROM SITE.

MORIYAMA & TESHIMA ARCHITECTS

mtarch.com

117 George Street, Toronto, Ontario Canada M5A 2N4
109 Murray Street, Unit 3 Ottawa, Ontario Canada K1N 5M5

416-925-4484
613-562-2905

ISSUES/ REVISIONS	
No.	Issue
01	ISSUED FOR PERMIT
02	ISSUED FOR REVIEW
03	ISSUED FOR REVIEW
04	ISSUED FOR TENDER
05	ISSUED FOR CONSTRUCTION

PROJECT CONTACT

NAME: JOHN BEI

TEL: 416-487-8151

EMAIL: john.bei@smithandandersen.com

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Keyplan:

Consultant:

Smith + Andersen

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416 487 8151 f 416 487 9104 smithandandersen.com

North:

Stamp:

Client:

VICTORIA UNIVERSITY

Project:

GOLDRING STUDENT CENTRE RENEWAL

150 Charles St W, Toronto, ON M5S 1K9

Title:

SECOND FLOOR POWER AND SYSTEMS DEMOLITION LAYOUT

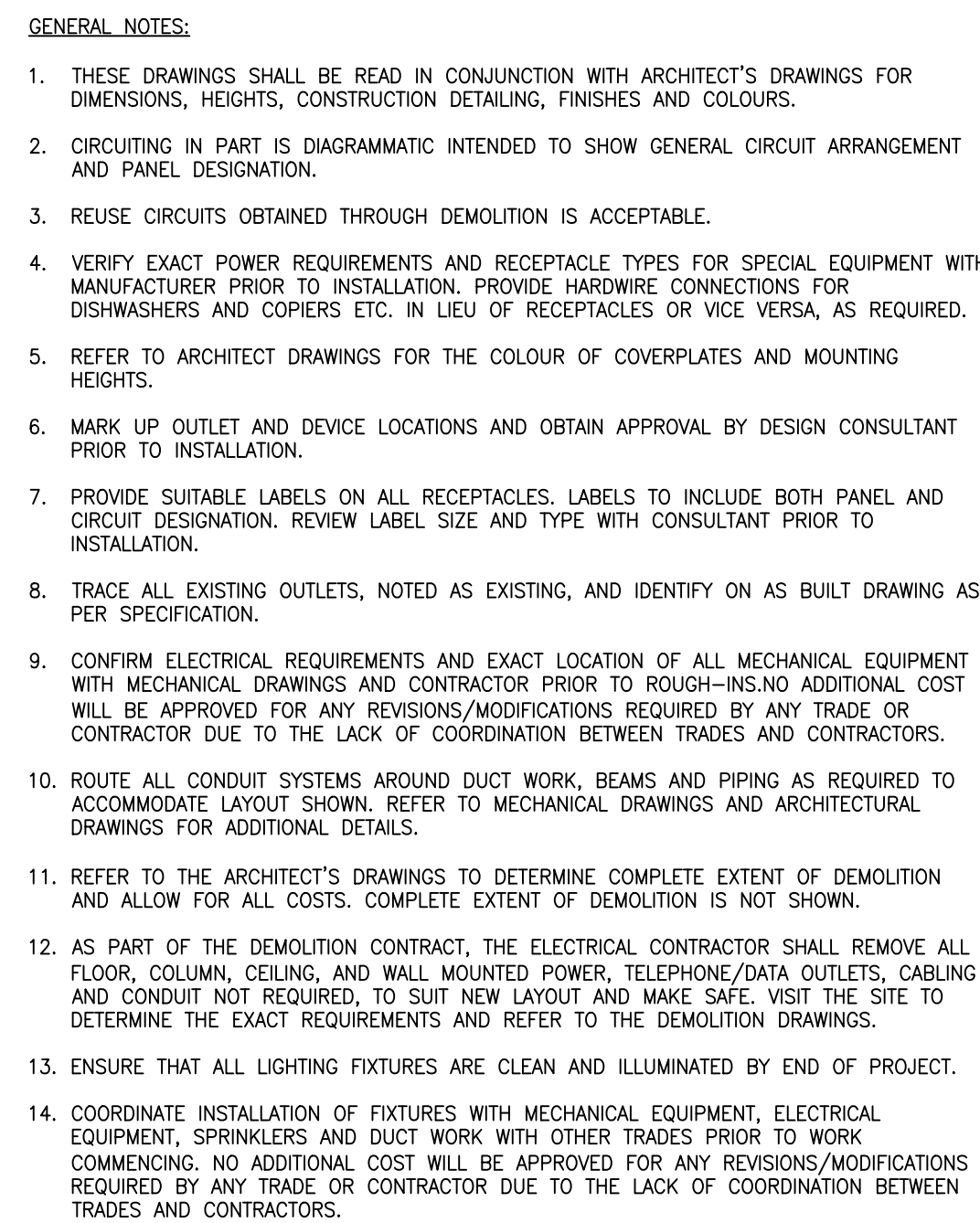
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Drawn By: JB

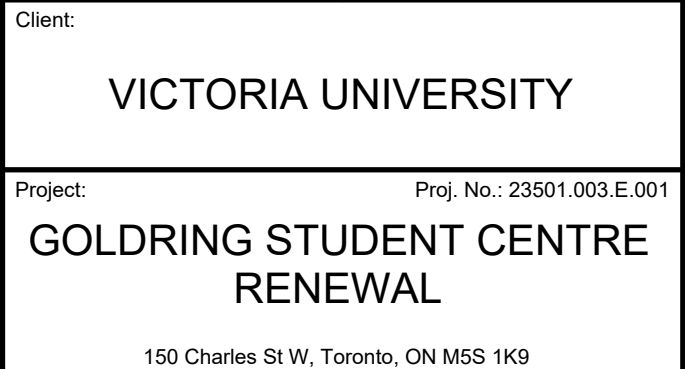
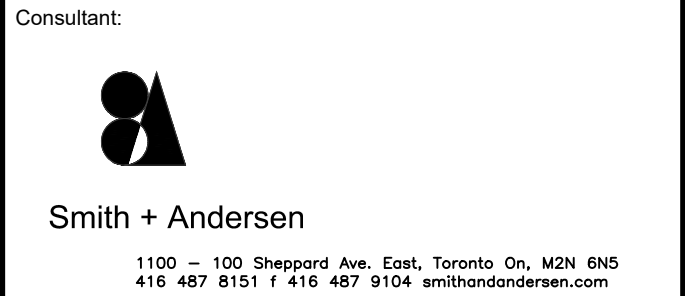
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Sheet No.:

TE-2.4



PROJECT CONTACT	
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THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ELECTRICAL SPECIFICATION SUBMITTED FOR THIS PROJECT.	



Title:	
THIRD FLOOR ELECTRICAL LAYOUT	
Scale: 1:100	Sheet No.:
Drawn By: JB	TE-3.1
Checked By: NC	