

























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/LIGHT 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			

GENERAL 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			

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DRAWING LIST AND CLOSE OUT CHECKLIST

The diagram illustrates the mapping of panel types to their characteristics for a DP-BXA 11/1 panel. On the left, a list of panel types is provided: SWGR-MAIN SW 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, and TX-TRANSFORMER. A line connects the 'PANEL TYPE' label to the DP-BXA 11/1 panel. From the DP-BXA 11/1 panel, lines branch out to the following characteristics: LIGHTING SWITCH/RELAY NUMBER, CIRCUIT NUMBER, PANEL LETTER, BLANK-NORMAL POWER, X-LIFE SAFETY EMERG., E-NON-LIFE SAFETY EMERG., U-UPS, FLOOR LOCATION: B-BASEMENT, G-GROUND FLOOR, 2-SECOND FLOOR, and PH-PENTHOUSE. A bracket on the right groups these characteristics under the label 'LAST CHARACTERS ONLY SHOWN ON FLOOR PLANS FOR CIRCUITING'.

PANEL TYPE: →

SWGR-MAIN SW 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

DP-BXA 11/1

→ LIGHTING SWITCH/RELAY NUMBER

→ CIRCUIT NUMBER

→ PANEL LETTER

→ BLANK-NORMAL POWER

→ X-LIFE SAFETY EMERG.

→ E-NON-LIFE SAFETY EMERG.

→ U-UPS

→ FLOOR LOCATION:

→ B-BASEMENT

→ G-GROUND FLOOR

→ 2-SECOND FLOOR

→ PH-PENTHOUSE

LAST CHARACTERS ONLY SHOWN ON FLOOR PLANS FOR CIRCUITING

The diagram illustrates the mapping of transformer types to their characteristics for a TX-BXA panel. On the left, a line connects the 'TRANSFORMER' label to the TX-BXA panel. From the TX-BXA panel, lines branch out to the following characteristics: TRANSFORMER LETTER, BLANK-NORMAL POWER, X-LIFE SAFETY, E-EMERGENCY, U-UPS, and FLOOR LOCATION: B-BASEMENT, G-GROUND FLOOR, 2-SECOND FLOOR, and PH-PENTHOUSE.

TRANSFORMER →

TX-BXA

→ TRANSFORMER LETTER

→ BLANK-NORMAL POWER

→ X-LIFE SAFETY

→ E-EMERGENCY

→ U-UPS

→ FLOOR LOCATION:






































→ B-BASEMENT

→ G-GROUND FLOOR

→ 2-SECOND FLOOR

→ PH-PENTHOUSE

[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

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





























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, 15 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
	HARMONIC FILTER (SUPPLIED BY MECH. CONTRACTOR UNLESS NOTED OTHERWISE.) LINE AND LOAD SIDE WIRING OF HARMONIC FILTER BY ELECTRICAL CONTRACTOR.		CLOCK WALL MOUNTED
			CLOCK CEILING MOUNTED
			PUSH BUTTON
			MOTOR

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

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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-

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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.00

RENEWAL

Title: ELECTRICAL LEGENDS

Scale: N.T.S.

Drawn By: JB

Checked By: NC

Sheet No.

TF

IF

TE-0.2

LP-2A									
CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND	BLDG #	PANEL TAG	DESCRIPTION (Item, Room Number[s])	BKR (A)	CT	CT BKR (A)	DATE MODIFIED
0		0			Recept MechJan 214	15	1A	2	15
0		0			Recept Liv 203, Flrs 205, Corr 210	15	3B	4	2P
600	0.60	360			Office 216 Receptacle	15	5C	6	15
600	0.60	360			Office 217 Receptacles	15	7A	8	1
0		0			GF Recept WWC 224, MWC 225	15	9B	10	3P
0		0			Power Pmb WWC 224, MWC225	15	11C	12	15
0		0			Handicap Dr Operer MWC 225	15	13A	14	15
0		0			Recept Liv 203, Corr 206	15	15B	16	1
0		0			Handicap Dr Operer WWC 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
0		0			Recept Stge 207	15	23C	24	3P
0		0			Recept Stge 207	15	25A	26	15
0		0			Recept Stge 207	15	27B	28	1
0		0			GF Recept Storage 207	20	29C	30	3P
0		0			Recept AV Storage 207	15	31A	32	15
0		0			Recept AV Comm Rm 206	15	33B	34	2P
0		0			AV Screen Comm RM 206	15	35C	36	20
0		0			Spare 15A 1P	15	37A	38	15
0		0			Spare	15	39B	40	15
300	0.60	180			Office 216 BBH	15	41C	42	15
500	0.60	300			Office 216 BBH	15	43A	44	15
500	0.60	300			Office 217 BBH	15	45B	46	15
500	0.60	300			Office 216 BBH	15	47C	48	15
500	0.60	300			Office 216 BBH	15	49A	50	15
0	0.00	0			Student Living Space 227 Future Power	15	51B	52	15
0	0.00	0			Student Living Space 227 Future Power	15	53C	54	15
0	0.00	0			Student Living Space 227 Future Power	15	55A	56	15
0	0.00	0			Student Living Space 227 Future Power	15	57B	58	15
0		0			Space	15	59C	60	15
0		0			Space	15	61A	62	15
0		0			Space	15	63B	64	15
0		0			Space	15	65C	66	15
0		0			Space	15	67A	68	15
0		0			Space	15	69B	70	15
0		0			Existing	15	71C	72	15
BLDG: Goldring FLOOR: 2 ROOM: Mechanical NEW TAG: S.C.:									
RATINGS: 225 A 120/208V 3 PHASE 4 WIRE S.C.:									
FED FROM: PANEL TAG: LP-2A BLDG #: 214 ROOM #: BREAKER SIZE: FEEDER SIZE:									

5

EXISTING PANEL LP-2A SCHEDULE

LP-3A									
CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL DEMAND	BLDG #	PANEL TAG	DESCRIPTION (Item, Room Number[s])	BKR (A)	CT	CT BKR (A)	DATE MODIFIED
0		0			Recept Corr 312305 GF Recept 322	15	1A	2	15
0		0			Recept Meet RM 307	15	3B	4	15
0		0			Fridge Recept Meet RM 307	15	5C	6	15
0		0			Recept Meet RM 307	15	7A	8	15
0		0			Recept Meet RM 307	15	9B	10	15
0		0			Recept Off 306, GF Recept Elev A	15	11C	12	15
0		0			Recept CHS16, Reception 304	15	13A	14	15
0		0			Recept Reception 304	15	15B	16	15
0		0			Recept Off 318/317/316	15	17C	18	15
0		0			Recept Off 318 / 319	15	19A	20	15
0		0			Recept Off 320 / 321	15	21B	22	15
0		0			Recept Corr 302 / Elev Lay 301	15	23C	24	15
0		0			Recept Roof	15	25A	26	2P
0		0			Recept Roof	15	27B	28	15
0		0			Heater	15	29C	30	2P
0		0			Special Outlet MWC 310	15	31A	32	15
0		0			15A Blower Coil	15	33B	34	2P
0		0			VBC-3-1	15	35C	36	15
0		0			Space	15	37A	38	2P
0		0			Existing	15	39B	40	15
0		0			Existing	15	41C	42	15
0		0			Existing	15	43A	44	15
0		0			Existing	15	45B	46	40
0		0			Existing	15	47C	48	2P
0		0			Existing	15	49A	50	20
0		0			Existing	15	51B	52	30
0		0			Existing	15	53C	54	15
0		0			Space	15	55A	56	15
0		0			Space	15	57B	58	15
0		0			Space	15	59C	60	15
0		0			Space	15	61A	62	15
0		0			Space	15	63B	64	15
0		0			Space	15	65C	66	15
0		0			Space	15	67A	68	15
0		0			Space	15	69B	70	15
0		0			Space	15	71C	72	15
BLDG: Goldring FLOOR: 3 ROOM: Mechanical NEW TAG: S.C.:									
RATINGS: 100 A 120/208V 3 PHASE 4 WIRE S.C.:									
FED FROM: PANEL TAG: LP-3A BLDG #: 308 ROOM #: BREAKER SIZE: FEEDER SIZE:									

6

EXISTING PANEL LP-3A SCHEDULE

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	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	
SS	120V	TOGGLE SWITCH		

LUMINAIRE SCHEDULE				
TYPE	LAMP TYPE	VOLTAGE	DESCRIPTION	MANUFACTURER/CATALOGUE NO.
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	
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.

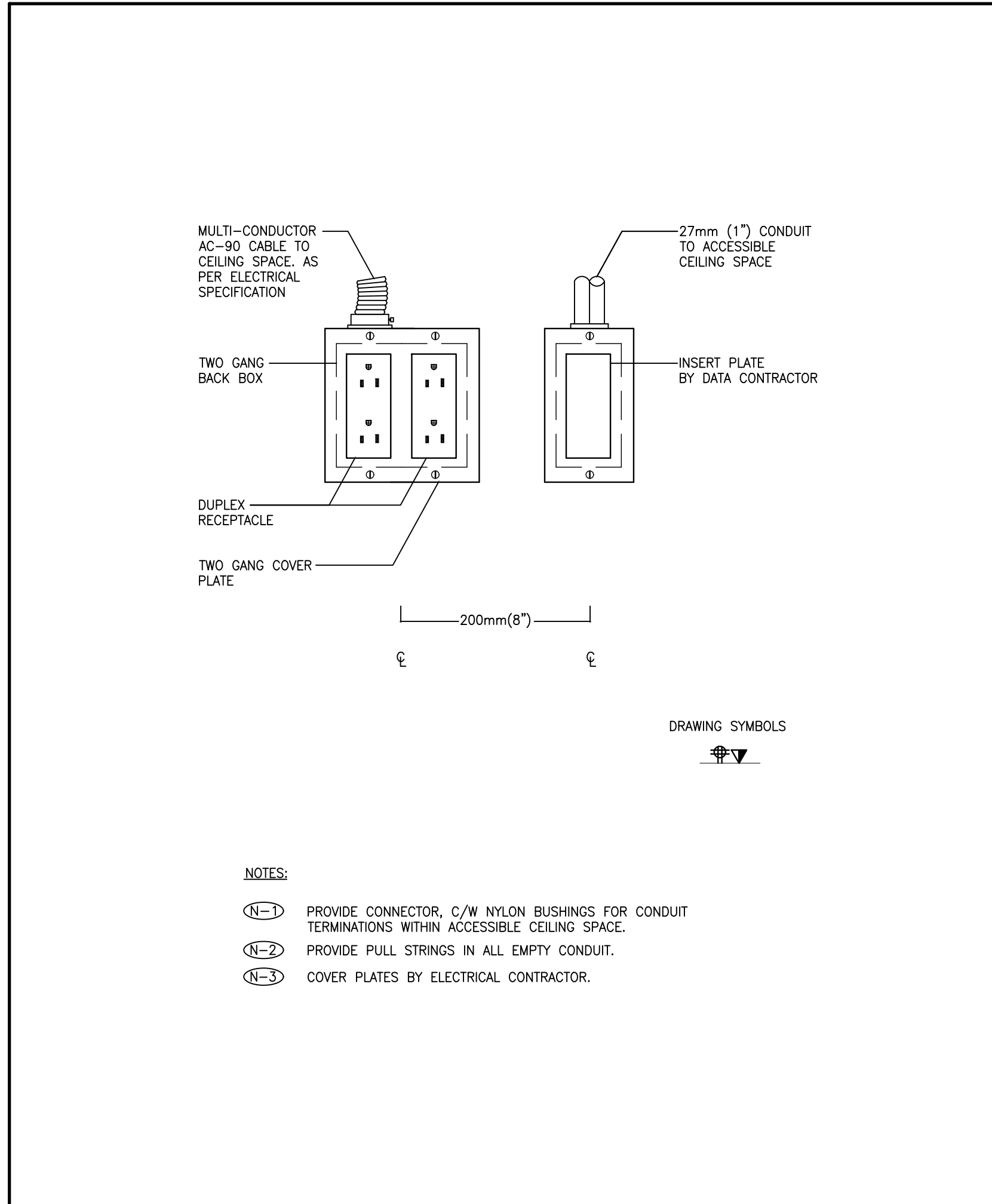
N-2 CONTRACTOR TO ALLOW FOR ALL ASSOCIATED COST TO PROVIDE STEP-DOWN TRANSFORMERS FOR THE LIGHT FIXTURES AS REQUIRED.

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.

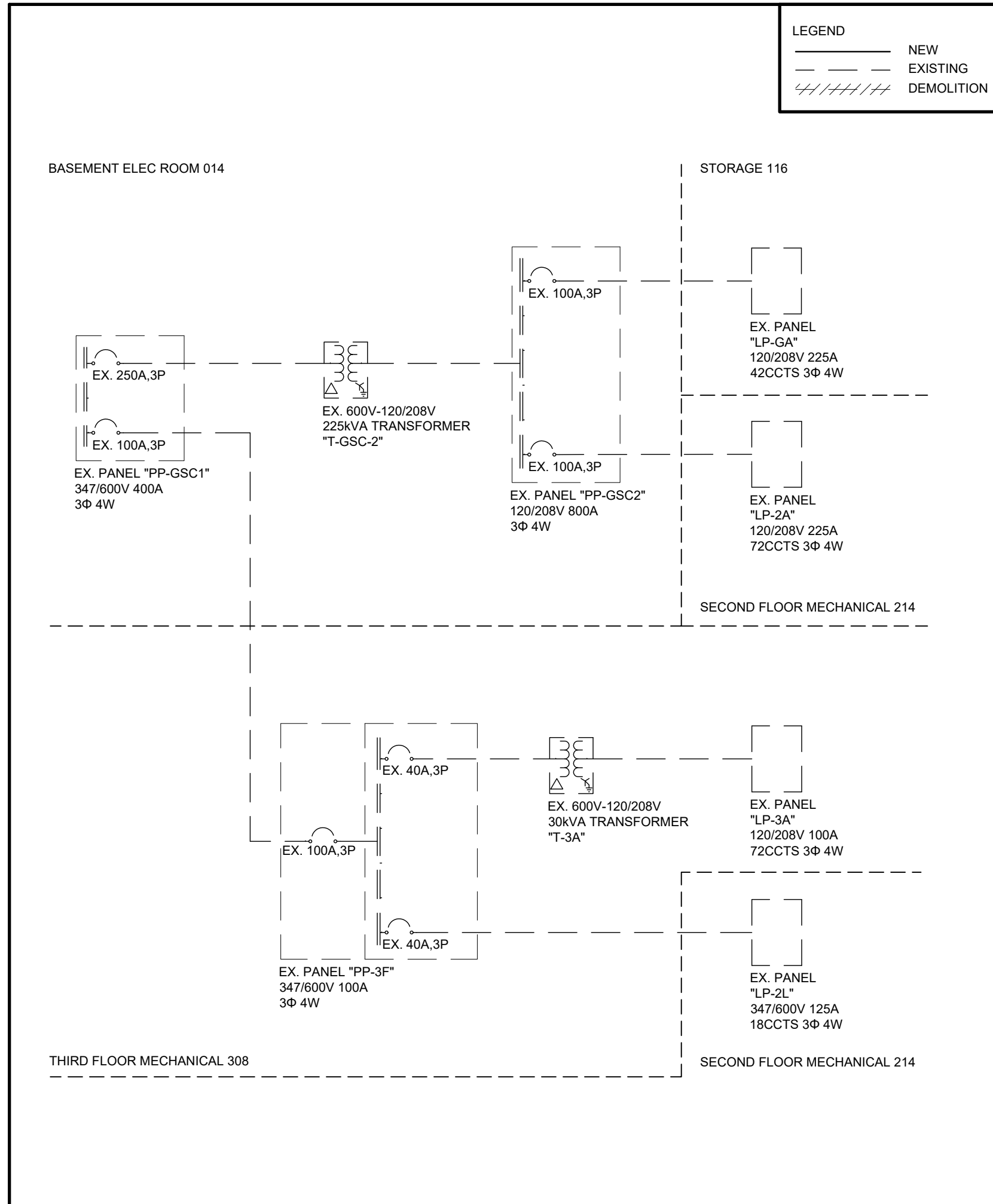
3

LIGHTING CONTROL SCHEDULE AND LUMINAIRE SCHEDULE



1

POWER AND COMMUNICATION OUTLETS



2

SINGLE LINE DIAGRAM

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ISSUES/ REVISIONS

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03	ISSUED FOR REVIEW	2024-01-12
04	ISSUED FOR TENDER	2024-02-02

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Keyplan:

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LICENSED PROFESSIONAL ENGINEER
 2024/02/02
 23501.003
 E.001
 PROVINCE OF ONTARIO

Client:

VICTORIA UNIVERSITY

Project: GOLDRING STUDENT CENTRE RENEWAL

150 Charles St W, Toronto, ON M5S 1K9

Title:

ELECTRICAL DETAILS

Scale: N.T.S.

Sheet No.:

Drawn By: JB

Checked By: NC

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ISSUES/ REVISIONS

[illegible]

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

Title:

ELECTRICAL DETAILS

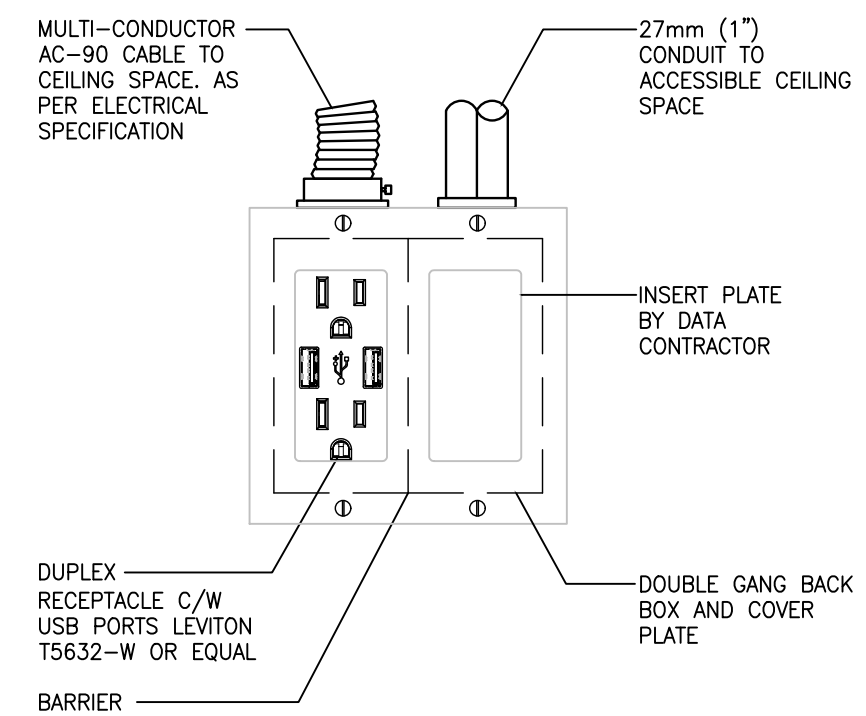
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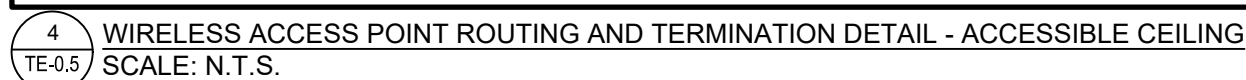
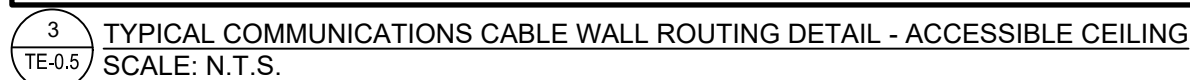
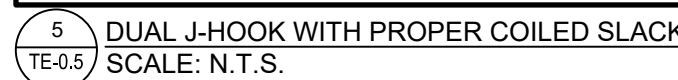
DRAWING SYMBOLS

USB

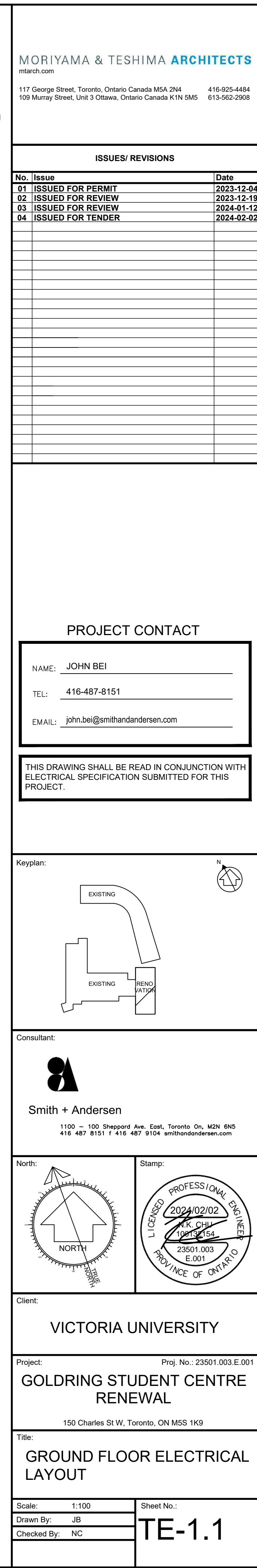
NOTES:

- (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.

1 POWER AND COMMUNICATION OUTLETS



3. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS FOR DIMENSIONS, HEIGHTS, CONSTRUCTION DETAILING, FINISHES AND COLOURS.
4. CIRCUITING IN PANEL IS DIAGRAMMATIC INTENDED TO SHOW GENERAL CIRCUIT ARRANGEMENT AND PANEL DESIGNATION.
5. REUSE CIRCUITS OBTAINED THROUGH DEMOLITION IS ACCEPTABLE.
6. VERIFY EXIST 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.
7. REFER TO ARCHITECT DRAWINGS FOR THE COLOUR OF COVERPLATES AND MOUNTING HEIGHTS.
8. MARK UP OUTLET AND DEVICE LOCATIONS AND OBTAIN APPROVAL BY DESIGN CONSULTANT PRIOR TO INSTALLATION.
9. PROVIDE SUITABLE LABELS ON ALL RECEPTABLES. LABELS TO INCLUDE BOTH PANEL AND CIRCUIT DESIGNATION. REVIEW LABEL SIZE AND TYPE WITH CONSULTANT PRIOR TO INSTALLATION.
10. TRACE ALL EXISTING OUTLETS, NOTED AS EXISTING, AND IDENTIFY ON AS BUILT DRAWING AS PER SPECIFICATION.
11. CONFIRM ELECTRICAL REQUIREMENTS AND EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL DRAWINGS AND CONTRACTOR PRIOR TO ROUGH-IN.S 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.
12. 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.
13. REFER TO THE ARCHITECT'S DRAWINGS TO DETERMINE COMPLETE EXTENT OF DEMOLITION AND ALLOW FOR ALL COSTS. COMPLETE EXTENT OF DEMOLITION IS NOT SHOWN.
14. AS PART OF THE DEMOLITION CONTRACT, THE ELECTRICAL CONTRACTOR SHALL REMOVE ALL FLOOR, COLUMN, CEILING, AND WALL MOUNTED POWER, TELEPHONE/DATA OUTLETS, CABLING AND CONDUIT NOT REQUIRED, TO SUIT NEW LAYOUT AND MAKE SAFE THE SITE TO DETERMINE THE EXIST REQUIREMENTS AND REFER TO THE DEMOLITION DRAWINGS.
15. ENSURE THAT ALL LIGHTING FIXTURES ARE CLEAN AND ILLUMINATED BY END OF PROJECT.
16. 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.

[illegible]



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 BURNOUT 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 LANDLORD 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. LETTER TO THE LATEST EDITION OF CAN/CUL-5537 LATEST EDITION. 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 REUSE 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, WHEN AVAILABLE. IS SHOWN OTHERWISE, SUE TO THE CONTRACTOR. 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/CUL-5537 LATEST EDITION. FIRE ALARM SYSTEM SHALL BE INSTALLED IN CONFORMANCE WITH CAN/CUL-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 EXISTING, WITHIN THE TENANT PREMISES SHALL BE ON A SEPARATE ELECTRICAL 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 BEING SUBJECT TO THE DISCONNECTING 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	2023-12-01
02	ISSUED FOR REVIEW	2023-12-15
03	ISSUED FOR REVIEW	2024-01-15
04	ISSUED FOR TENDER	2024-02-01

PROJECT CONTACT

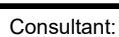
NAME: JOHN BEI

TEL: 416-487-8151

EMAIL: john.bei@smithandandersen.com

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

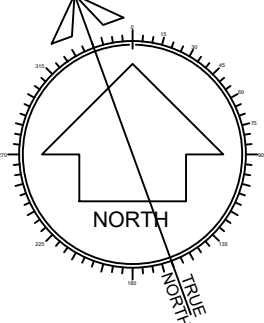
Keyplan:



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North:



Stamp



Client:

VICTORIA UNIVERSITY

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

RENEWAL

150 Charles St W, Toronto, ON M5S 1K9

SECOND FLOOR LIGHTING AND FIRE ALARM LAYOUT

Scale: **NOT SHOWN**

Drawn By: JB

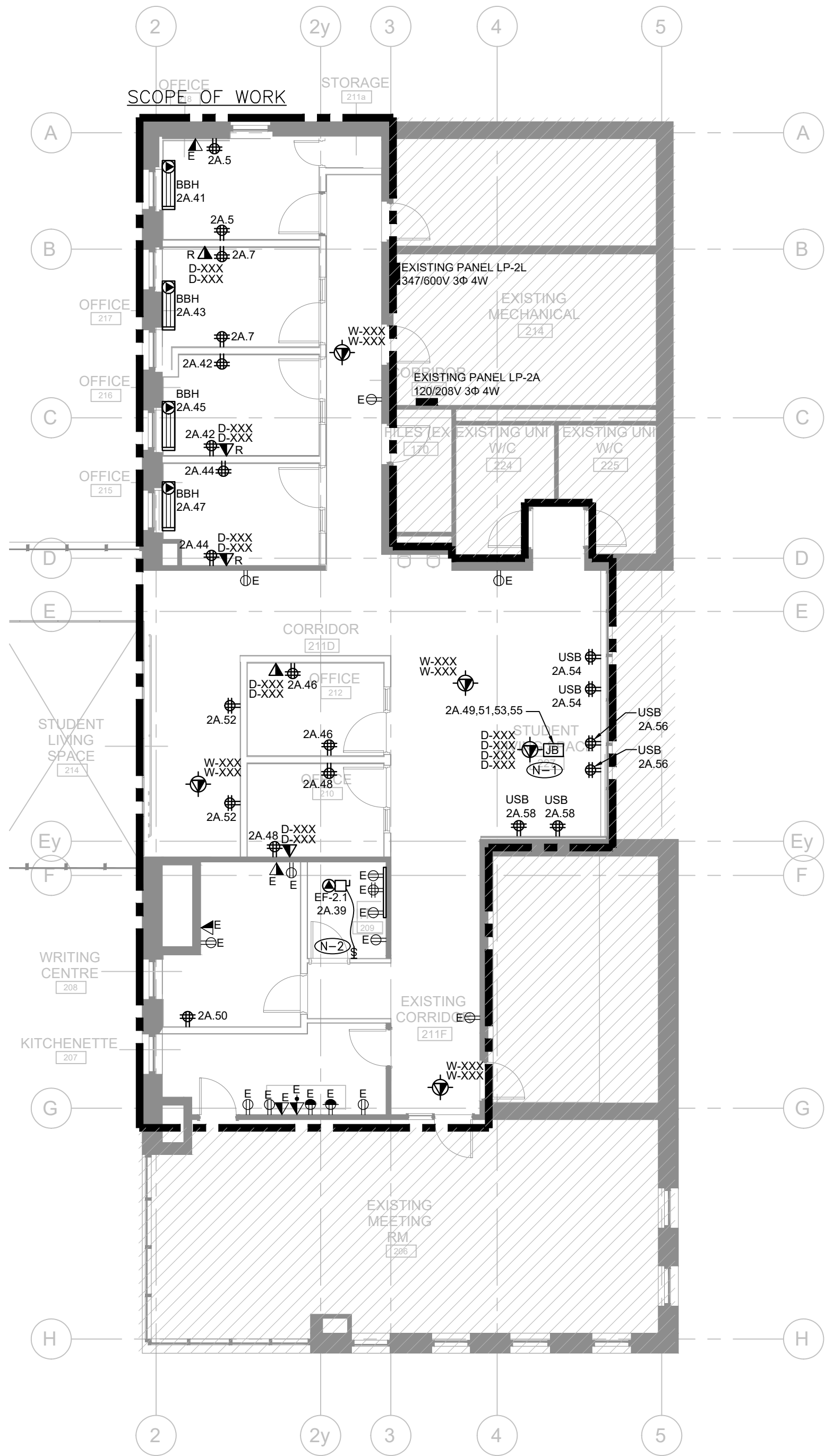
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Sheet No.:

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THE

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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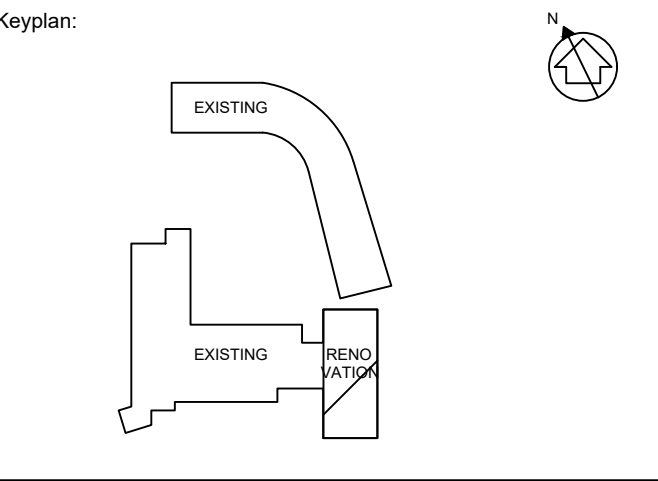
ISSUES/ REVISIONS

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

PROJECT CONTACT

NAME: JOHN BEI
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EMAIL: john.bei@smithandandersen.com

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



Consultant:

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Stamp:

Client:

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
Drawn By: JB
Checked By: NC

Sheet No.: **TE-2.2**

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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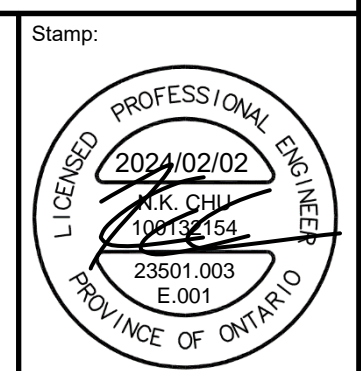
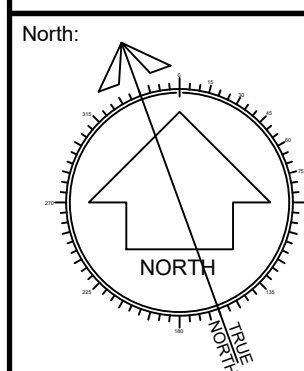
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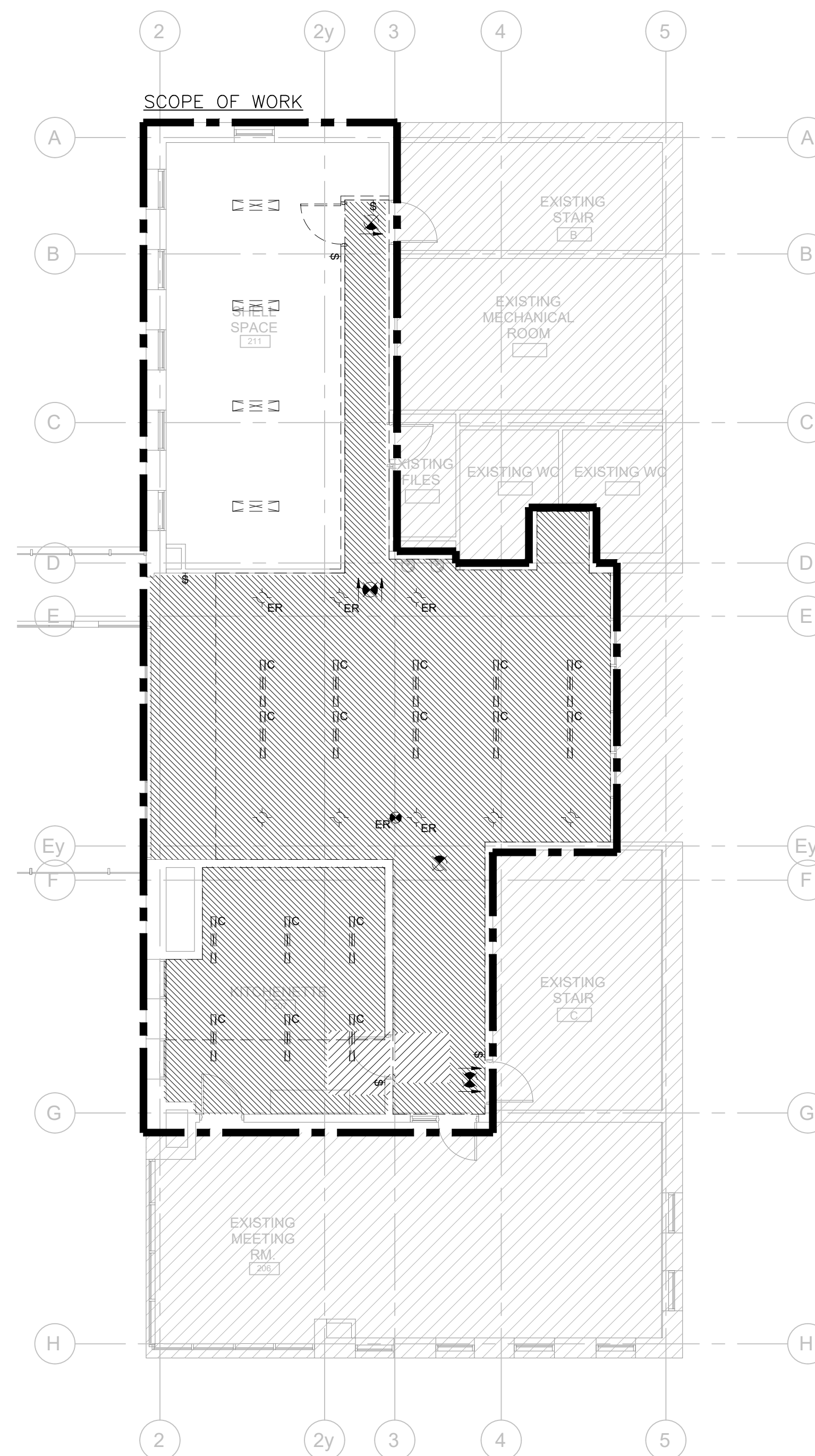
**GOLDRING STUDENT CENTRE
RENEWAL**

150 Charles St W, Toronto, ON M5S 1K9

Title:

SECOND FLOOR LIGHTING
AND FIRE ALARM DEMOLITION
LAYOUT

Scale: 1:100	Sheet No.: TE-2.3
Drawn By: JB	
Checked By: NC	



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. MAKE GOOD ALL CORE HOLES FROM ELECTRICAL EQUIPMENT AND DEVICES DISCONNECTED, RELOCATED AND OR REMOVED IN THIS PROJECT.
4. 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.
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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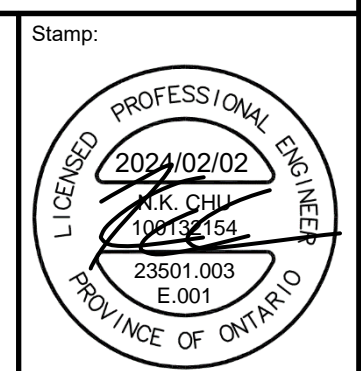
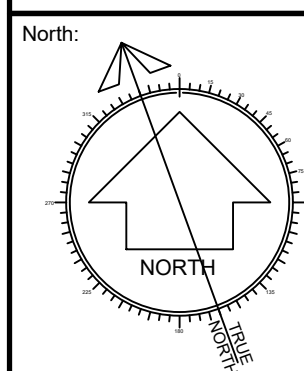
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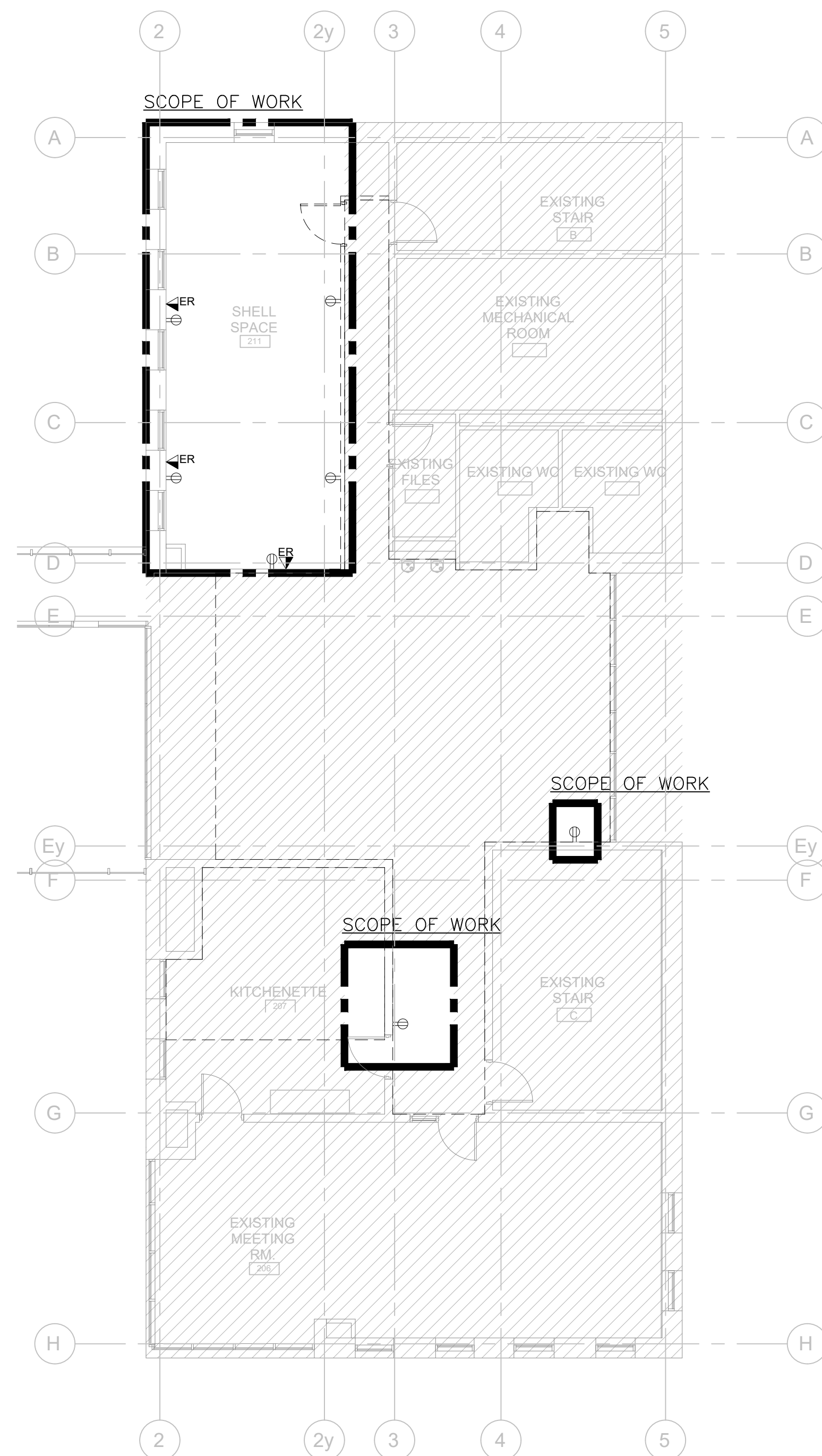
Project: Proj. No.: 23501.003.E.001

**GOLDRING STUDENT CENTRE
RENEWAL**

150 Charles St W, Toronto, ON M5S 1K9

Title:
SECOND FLOOR POWER AND
SYSTEMS DEMOLITION
LAYOUT

Scale: 1:100	Sheet No.: TE-2.4
Drawn By: JB	
Checked By: NC	



3. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS FOR DIMENSIONS, HEIGHTS, CONSTRUCTION DETAILING, FINISHES AND COLOURS.
4. CIRCUITING IN PANEL IS DIAGRAMMATIC INTENDED TO SHOW GENERAL CIRCUIT ARRANGEMENT AND PANEL DESIGNATION.
5. REUSE CIRCUITS OBTAINED THROUGH DEMOLITION IS ACCEPTABLE.
6. VERIFY EXIST 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.
7. REFER TO ARCHITECT DRAWINGS FOR THE COLOUR OF COVERPLATES AND MOUNTING HEIGHTS.
8. MARK UP OUTLET AND DEVICE LOCATIONS AND OBTAIN APPROVAL BY DESIGN CONSULTANT PRIOR TO INSTALLATION.
9. PROVIDE SUITABLE LABELS ON ALL RECEPTACLES. LABELS TO INCLUDE BOTH PANEL AND CIRCUIT DESIGNATION. REVIEW LABEL SIZE AND TYPE WITH CONSULTANT PRIOR TO INSTALLATION.
10. TRACE ALL EXISTING OUTLETS, NOTED AS EXISTING, AND IDENTIFY ON AS BUILT DRAWING AS PER SPECIFICATION.
11. CONFIRM ELECTRICAL REQUIREMENTS AND EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL DRAWINGS AND CONTRACTOR PRIOR TO ROUGH-IN.S 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.
12. 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.
13. REFER TO THE ARCHITECT'S DRAWINGS TO DETERMINE COMPLETE EXTENT OF DEMOLITION AND ALLOW FOR ALL COSTS. COMPLETE EXTENT OF DEMOLITION IS NOT SHOWN.
14. AS PART OF THE DEMOLITION CONTRACT, THE ELECTRICAL CONTRACTOR SHALL REMOVE ALL FLOOR, COLUMN, CEILING, AND WALL MOUNTED POWER, TELEPHONE/DATA OUTLETS, CABLING AND CONDUIT NOT REQUIRED, TO SUIT NEW LAYOUT AND MAKE SAFE THE SITE TO DETERMINE THE EXIST REQUIREMENTS AND REFER TO THE DEMOLITION DRAWINGS.
15. ENSURE THAT ALL LIGHTING FIXTURES ARE CLEAN AND ILLUMINATED BY END OF PROJECT.
16. 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.

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Keyplan: 



Project:	Proj. No.: 23501.003.E.001
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Drawn By: JB	
Checked By: NC	

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