

2023-01-31 11:58:35 AM

ELECTRICAL DRAWING LIST	
Sheet Number	Sheet Name
E0000	DRAWING LIST
E1100	ELECTRICAL DEMOLITION PLAN BASEMENT
E1101	ELECTRICAL DEMOLITION PLAN 1ST FLOOR
E2100	POWER & SYSTEMS PLAN BASEMENT
E2101	POWER & SYSTEMS PLAN 1ST FLOOR
E3100	ELECTRICAL PANEL SCHEDULE

CLIENT

CITY OF TORONTO



Corporate Real Estate Management
Project Management Office
Metro Hall Toronto, ON
M5V 3C6

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No.	DESCRIPTION	DATE
A	50% SUBMISSION	2021-09-23
B	90% SUBMISSION	2022-01-04
C	ISSUED FOR PERMIT	2022-01-04
D	ISSUED FOR TENDER	2022-11-01

CONSULTANTS

SEAL

PRIME CONSULTANT



PROJECT TITLE
CITY OF TORONTO
ACCESSIBILITY UPGRADES

PROJECT ADDRESS
SCARBOROUGH ARTS
COUNCIL
1859 KINGSTON RD.

PROJECT NO:
122260

DRAWN BY: **V. MAC** CHECKED BY: **M. BOJIC**

PROJECT MGR: **F. BOLOURIAN** APPROVED BY: **P. WILLIAMS**

SHEET TITLE
DRAWING LIST

SHEET NUMBER
G28-101-E0000 ISSUE
D

BIM 360//122260 - CoT TAU Upgrades R2020122260-TAU-28-101-1859KINGSTON-E-R20.rvt
1/11

ISSUES		
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NOTES:

- DISCONNECT AND REMOVE POWER OUTLETS, EXIT SIGNS, LIGHTS, OCCUPANCY SENSORS, AND LIGHT SWITCHES, AS NOTED ON ELECTRICAL DEMOLITION PLAN. REMOVE WIRING AND CONDUIT. PULL BACK WIRING TO NEAREST JUNCTION BOX, AND COIL UP. MAKE SAFE. EXISTING WIRING AND CIRCUIT TO BE REUSED, UNLESS OTHERWISE NOTED.
- DISCONNECT AND REMOVE DATA OUTLETS AS NOTED ON ELECTRICAL DEMOLITION PLAN. REMOVE WIRING AND CONDUIT. PULL BACK WIRING TO AVOID IMPACT OF CONSTRUCTION, AND COIL UP. MAKE SAFE. EXISTING WIRING TO BE REUSED, UNLESS OTHERWISE NOTED.
- DISCONNECT AND REMOVE PULL STATIONS, HEAT DETECTORS, AND STROBE DETECTORS AS NOTED ON ELECTRICAL DEMOLITION PLAN. REMOVE WIRING AND CONDUIT. PULL BACK WIRING TO AVOID IMPACT OF CONSTRUCTION, AND COIL UP. MAKE SAFE. EXISTING DEVICE AND EXISTING CONNECTIONS TO BE REUSED, UNLESS OTHERWISE NOTED.
- DISCONNECT AND REMOVE CARD READERS AS NOTED ON ELECTRICAL DEMOLITION PLAN. REMOVE WIRING AND CONDUIT. PULL BACK WIRING TO AVOID IMPACT OF CONSTRUCTION, AND COIL UP. MAKE SAFE. EXISTING DEVICE AND EXISTING CONNECTIONS TO BE REUSED, UNLESS OTHERWISE NOTED. COORDINATE WITH CORPORATE SECURITY BEFORE DISCONNECTING AND RELOCATING SECURITY DEVICES. ONBOARD SECURITY CONSULTANT AT THE BEGINNING OF CONSTRUCTION.

DEMOLITION LEGEND	
R	DEVICE/EQUIPMENT TO BE REMOVED.
RR	DEVICE/EQUIPMENT TO BE REMOVED AND RELOCATED.
E	DEVICE/EQUIPMENT EXISTING TO REMAIN.

DEMOLITION KEYNOTE LEGEND	
NO	DESCRIPTION
3	REMOVE DOOR HARDWARE AND PULL BACK WIRING TO AVOID IMPACT OF CONSTRUCTION. MAKE SAFE, AND PREPARE FOR RE-USE.

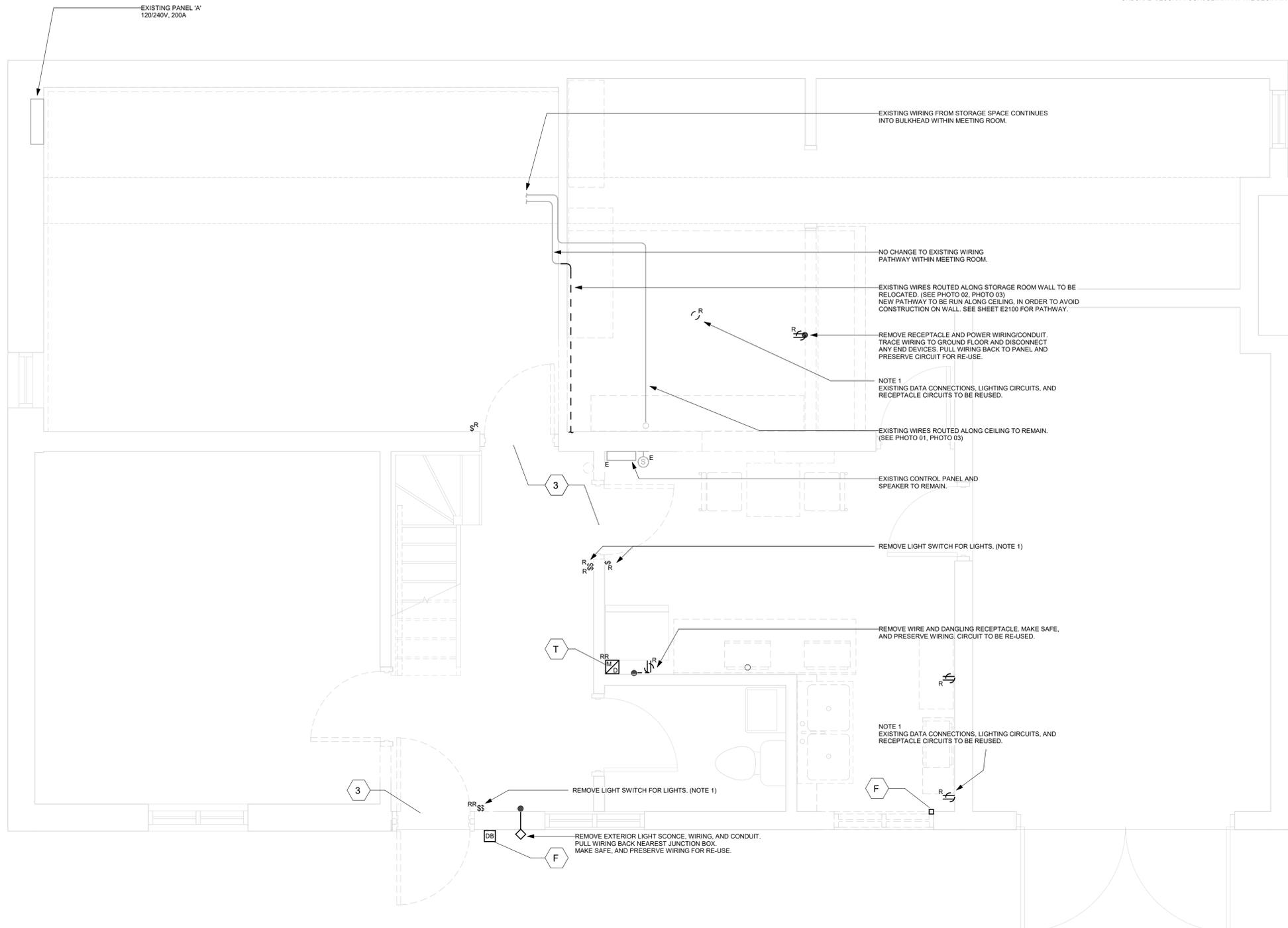


PHOTO 01:
EXISTING WIRE ROUTED ALONG CEILING TO REMAIN
PHOTO SOURCE: IBI GROUP



PHOTO 02:
EXISTING WIRE RUNNING ALONG WALL TO BE RELOCATED.
PHOTO SOURCE: IBI GROUP



PHOTO 03:
COMPARISON OF DIFFERENT EXISTING WIRE ROUTES WITHIN STORAGE ROOM
PHOTO SOURCE: IBI GROUP

1 POWER AND SYSTEMS DEMOLITION PLAN BASEMENT
 E1100 Scale: 1 : 25



2023-01-31 11:58:40 AM

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PROJECT TITLE
**CITY OF TORONTO
 ACCESSIBILITY UPGRADES**

PROJECT ADDRESS
**SCARBOROUGH ARTS
 COUNCIL
 1859 KINGSTON RD.**

PROJECT NO:
122260
 DRAWN BY:
V. MAC
 CHECKED BY:
M. BOJIC
 PROJECT MGR:
F. BOLOURIAN
 APPROVED BY:
P. WILLIAMS

SHEET TITLE
**ELECTRICAL
 DEMOLITION PLAN
 BASEMENT**

SHEET NUMBER
G28-101-E1100
 ISSUE
D

BIM 360/122260 - CoT TAU Upgrades R2020122260-TAU-28-101-1859KINGSTON-E-R20.rvt
 1/11
 SCALE CHECK

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- DISCONNECT AND REMOVE DATA OUTLETS AS NOTED ON ELECTRICAL DEMOLITION PLAN. REMOVE WIRING AND CONDUIT. PULL BACK WIRING TO AVOID IMPACT OF CONSTRUCTION, AND COIL UP. MAKE SAFE. EXISTING WIRING TO BE REUSED, UNLESS OTHERWISE NOTED.
- DISCONNECT AND REMOVE PULL STATIONS, HEAT DETECTORS, AND STROBE DETECTORS AS NOTED ON ELECTRICAL DEMOLITION PLAN. REMOVE WIRING AND CONDUIT. PULL BACK WIRING TO AVOID IMPACT OF CONSTRUCTION, AND COIL UP. MAKE SAFE. EXISTING DEVICE AND EXISTING CONNECTIONS TO BE REUSED, UNLESS OTHERWISE NOTED.
- DISCONNECT AND REMOVE CARD READERS AS NOTED ON ELECTRICAL DEMOLITION PLAN. REMOVE WIRING AND CONDUIT. PULL BACK WIRING TO AVOID IMPACT OF CONSTRUCTION, AND COIL UP. MAKE SAFE. EXISTING DEVICE AND EXISTING CONNECTIONS TO BE REUSED, UNLESS OTHERWISE NOTED. COORDINATE WITH CORPORATE SECURITY BEFORE DISCONNECTING AND RELOCATING SECURITY DEVICES. ONBOARD SECURITY CONSULTANT AT THE BEGINNING OF CONSTRUCTION.

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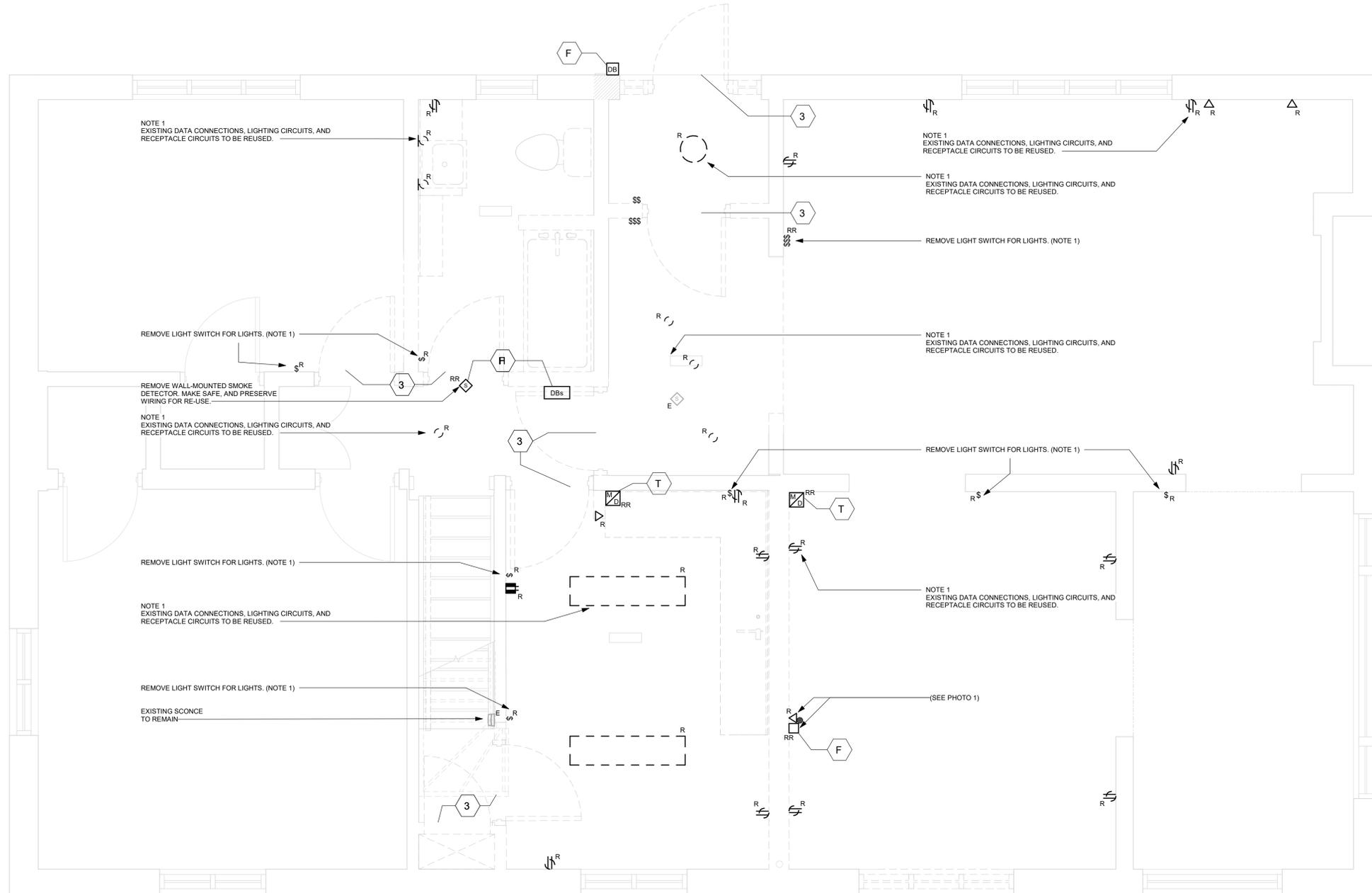


PHOTO 01:
VANTAGE SYSTEM DEVICES, AND
FLOOR PENETRATION FOR DATA WIRING
PHOTO SOURCE:
IBI GROUP

1 POWER AND SYSTEMS DEMOLITION PLAN FIRST FLOOR
E1101 Scale: 1:25



2023-01-31 11:58:44 AM

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PROJECT TITLE
**CITY OF TORONTO
ACCESSIBILITY UPGRADES**

PROJECT ADDRESS
**SCARBOROUGH ARTS
COUNCIL
1859 KINGSTON RD.**

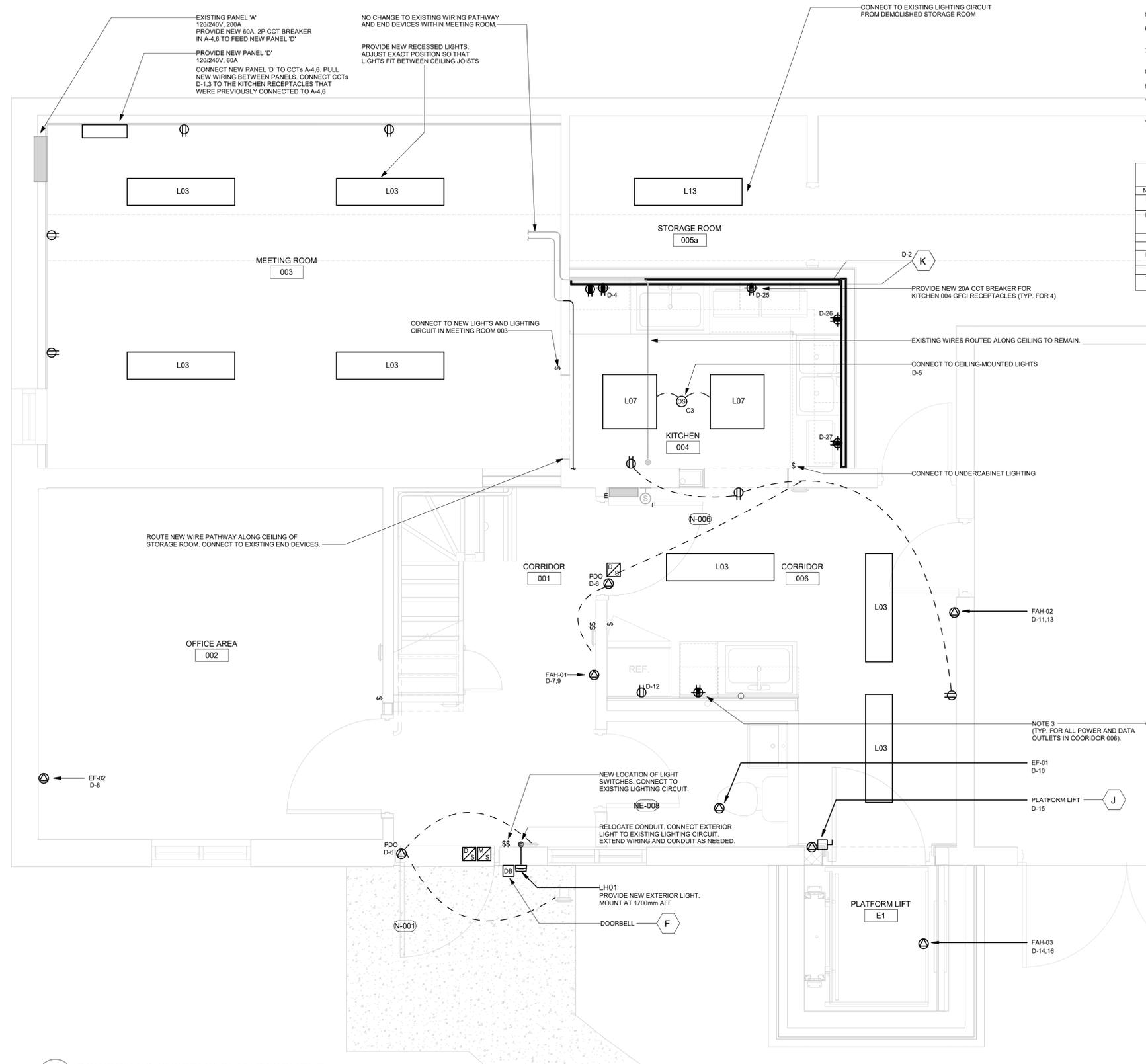
PROJECT NO:
122260

DRAWN BY: V. MAC	CHECKED BY: M. BOJIC
PROJECT MGR: F. BOLOURIAN	APPROVED BY: P. WILLIAMS

SHEET TITLE
**ELECTRICAL
DEMOLITION PLAN 1ST
FLOOR**

SHEET NUMBER G28-101-E1101	ISSUE D
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BIM 360/122260 - CoT TAU Upgrades R2020122260-TAU-28-101-1859KINGSTON-E-R20.rvt
1/11
SCALE CHECK



- NOTES:**
- CIRCUIT NUMBERS SHOWN FOR GROUPING PURPOSES ONLY. ALLOCATE CIRCUITS TO EXISTING PANELS AS SPACE ALLOWS. ASSUME 15A, 120V CIRCUIT BREAKER UNLESS OTHERWISE NOTED. UPDATE PANEL SCHEDULE WITH NEW LOADS. SUBMIT NEW PANEL SCHEDULE AS SHOP DRAWING.
 - CONNECT NEW LUMINAIRES TO EXISTING LOCAL LIGHTING CIRCUIT, UNLESS OTHERWISE NOTED.
 - CONNECT NEW POWER RECEPTACLES TO EXISTING LOCAL RECEPTACLE CIRCUIT, UNLESS OTHERWISE NOTED. EXTEND WIRING AND CONDUITS AS NEEDED. MOUNT POWER AND OUTLETS ACCORDING TO MOUNTING HEIGHTS SCHEDULE ON SHEET GAL-G4003.
 - CONNECT DATA OUTLETS TO EXISTING SOURCE, UNLESS OTHERWISE NOTED. PULL NEW WIRING FROM SOURCE. MOUNT DATA OUTLETS ACCORDING TO MOUNTING HEIGHTS SCHEDULE ON SHEET GAL-G4003.
 - REFER TO ARCHITECTURAL PACKAGE FOR EXACT LOCATIONS OF BARRIER-FREE PUSH BUTTONS. CONNECT TO PDO ON RESPECTIVE DOOR.
 - MOUNT NEW AND/OR RELOCATED LIGHT SWITCHES ACCORDING TO MOUNTING HEIGHTS SCHEDULE ON SHEET GAL-G4003. CONNECT TO EXISTING CIRCUIT VIA EXISTING WIRING AND CONDUITS. EXTEND WIRING AND CONDUITS AS NEEDED.
 - PROVIDE NEW EXIST SIGNS (LUMINAIRE TYPE X01 AS SPECIFIED IN LUMINAIRE SCHEDULE) USE EXISTING WIRING FROM REMOVED EXIT SIGNS, AND CONNECT TO EXISTING CIRCUITS.
 - VERIFY FIRE ALARM SYSTEM IN ACCORDANCE WITH ULC-S537.
 - IN AREAS WHERE NEW RECEPTACLES ARE PROVIDED, UPDATE THE FACEPLATE OF EXISTING RECEPTACLES TO MATCH.
 - SEE ARCHITECTURAL PLAN FOR ENLARGED PLAN, ELEVATIONS, AND NEW MILLWORK DETAILS FOR UPDATED KITCHENS, KITCHENETTES, FRONT VESTIBULE, AND RECEPTION AREAS. REFER TO DETAILS D1301 AND D1302 IN ARCHITECTURAL TYPICAL DETAILS BOOKLET FOR GENERAL KITCHEN MILLWORK DETAILS.
 - MOUNT DOORBELL AT 1050mm AFF FROM CENTER OF DEVICE. CONNECT TO EXISTING CIRCUIT. EXTEND WIRING AND CONDUITS AS NEEDED, THROUGH PEDESTAL. REFER TO ARCHITECTURAL SHEET A3011 DETAIL 2 FOR PLACEMENT OF PEDESTAL, AND REFER TO STRUCTURAL PACKAGE FOR TYPICAL DETAIL OF PENETRATION.

CONSTRUCTION KEYNOTE LEGEND	
NO	DESCRIPTION
F	NEW LOCATION OF RELOCATED ELECTRICAL DEVICE/FIXTURE. CONNECT TO EXISTING WIRING. EXTEND WIRING AND CONDUIT AS NEEDED. REFER TO ELECTRICAL DEMOLITION PLAN FOR EXISTING LOCATION.
H	NEW LOCATION OF RELOCATED SMOKE DETECTOR / HEAT DETECTOR. CONNECT TO EXISTING LOCAL ZONE. EXISTING WIRING AND CONDUITS TO BE REUSED. EXTEND WIRING AND CONDUITS AS NEEDED. TEST DEVICE TO VERIFY THAT IT IS STILL OPERATIONAL AFTER RECONNECTING TO FIRE ALARM SYSTEM. REFER TO ELECTRICAL DEMOLITION PLAN FOR EXISTING LOCATION.
I	PROVIDE NEW 20A CCT BREAKER IN PANEL.
J	PROVIDE NEW 25A CCT BREAKER IN PANEL.
K	PROVIDE NEW KITCHEN UNDERCABINET LIGHTING AND MOUNT AT 1250mm AFF. CONNECT TO LIGHT SWITCH (AS DEPICTED) AND USE EXISTING LIGHTING CIRCUIT.
L	MOUNT RECEPTACLE AT 300mm AFF.
T	NEW LOCATION OF RELOCATED MOTION DETECTOR. MOUNT AT 2300mm AFF. EXISTING WIRING AND CONDUITS TO BE REUSED. EXTEND WIRING AND CONDUITS AS NEEDED. COORDINATE WITH CORPORATE SECURITY BEFORE RELOCATING SECURITY DEVICES.

1 POWER AND SYSTEMS PLAN BASEMENT
E2100 Scale: 1 : 25



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PROJECT TITLE
**CITY OF TORONTO
ACCESSIBILITY UPGRADES**

PROJECT ADDRESS
**SCARBOROUGH ARTS
COUNCIL
1859 KINGSTON RD.**

PROJECT NO:
122260

DRAWN BY: V. MAC	CHECKED BY: M. BOJIC
PROJECT MGR: F. BOLOURIAN	APPROVED BY: P. WILLIAMS

SHEET TITLE
**POWER & SYSTEMS
PLAN BASEMENT**

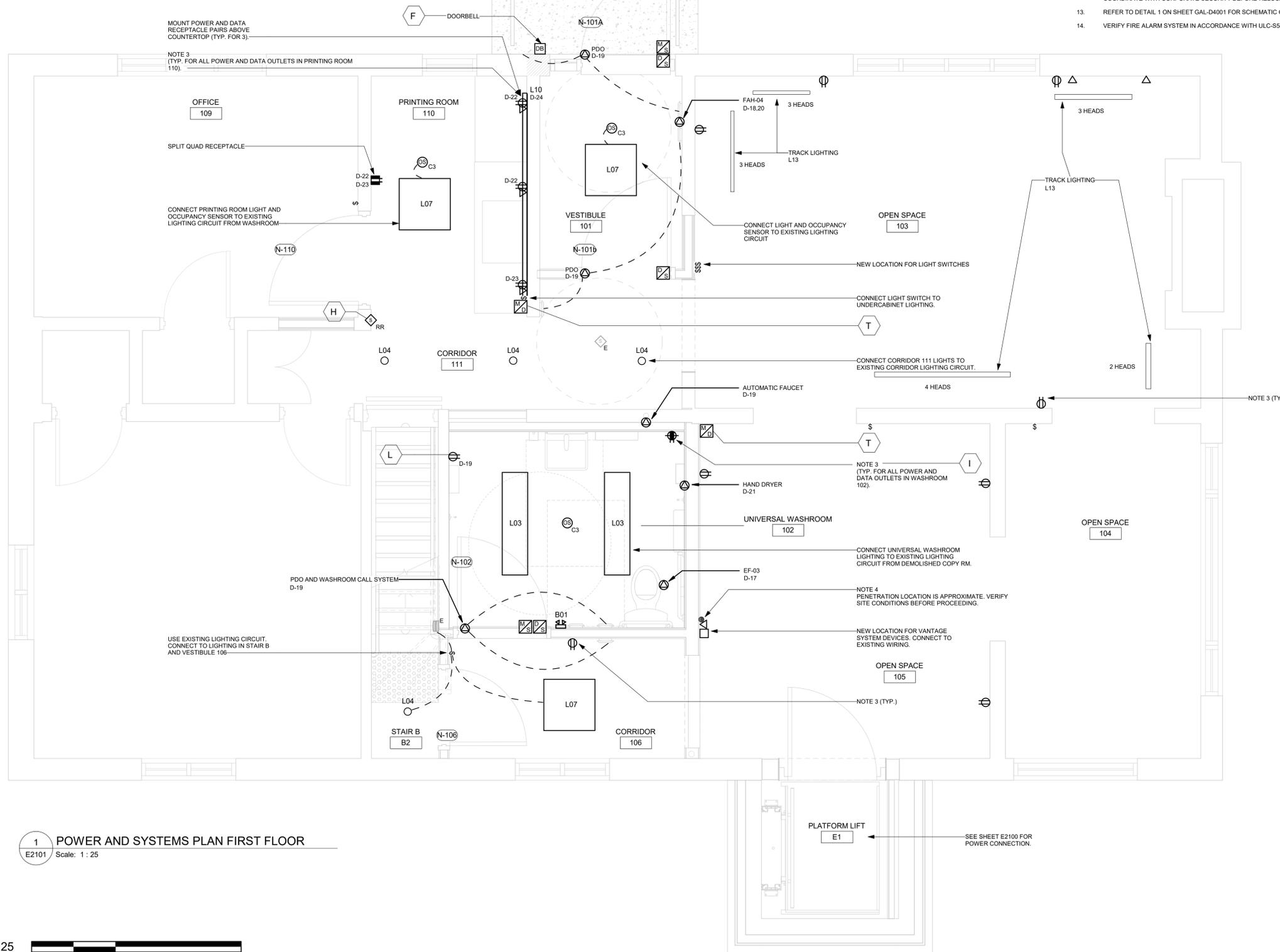
SHEET NUMBER G28-101-E2100	ISSUE D
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BIH_380/122260 - CoT_TAU Upgrades R2020122260-TAU28-101-1859KINGSTON-E-R20.rvt
1/11
SCALE CHECK

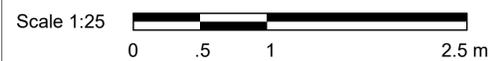
CONSTRUCTION KEYNOTE LEGEND	
NO	DESCRIPTION
F	NEW LOCATION OF RELOCATED ELECTRICAL DEVICE/FIXTURE. CONNECT TO EXISTING WIRING. EXTEND WIRING AND CONDUIT AS NEEDED. REFER TO ELECTRICAL DEMOLITION PLAN FOR EXISTING LOCATION.
H	NEW LOCATION OF RELOCATED SMOKE DETECTOR / HEAT DETECTOR. CONNECT TO EXISTING LOCAL ZONE. EXISTING WIRING AND CONDUITS TO BE REUSED. EXTEND WIRING AND CONDUITS AS NEEDED. TEST DEVICE TO VERIFY THAT IT IS STILL OPERATIONAL AFTER RECONNECTING TO FIRE ALARM SYSTEM. REFER TO ELECTRICAL DEMOLITION PLAN FOR EXISTING LOCATION.
I	PROVIDE NEW 20A CCT BREAKER IN PANEL.
J	PROVIDE NEW 25A CCT BREAKER IN PANEL.
K	PROVIDE NEW KITCHEN UNDERCABINET LIGHTING AND MOUNT AT 1250mm AFF. CONNECT TO LIGHT SWITCH (AS DEPICTED) AND USE EXISTING LIGHTING CIRCUIT.
L	MOUNT RECEPTACLE AT 300mm AFF.
T	NEW LOCATION OF RELOCATED MOTION DETECTOR. MOUNT AT 2300mm AFF. EXISTING WIRING AND CONDUITS TO BE REUSED. EXTEND WIRING AND CONDUITS AS NEEDED. COORDINATE WITH CORPORATE SECURITY BEFORE RELOCATING SECURITY DEVICES.

NOTES:

- CIRCUIT NUMBERS SHOWN FOR GROUPING PURPOSES ONLY. ALLOCATE CIRCUITS TO EXISTING PANELS AS SPACE ALLOWS. ASSUME 15A, 120V CIRCUIT BREAKER UNLESS OTHERWISE NOTED. UPDATE PANEL SCHEDULE WITH NEW LOADS. SUBMIT NEW PANEL SCHEDULE AS SHOP DRAWING.
- CONNECT NEW LUMINAIRES TO EXISTING LOCAL LIGHTING CIRCUIT. UNLESS OTHERWISE NOTED.
- RECONNECT ALL NEW DOOR HARDWARE TO EXISTING WIRING. EXTEND WIRING AND CONDUITS AS NEEDED.
- CONNECT NEW POWER RECEPTACLES TO EXISTING LOCAL RECEPTACLE CIRCUIT. UNLESS OTHERWISE NOTED. EXTEND WIRING AND CONDUITS AS NEEDED. CONNECT DATA OUTLETS TO EXISTING SOURCE. UNLESS OTHERWISE NOTED. PULL NEW WIRING FROM SOURCE. MOUNT POWER AND DATA OUTLETS ACCORDING TO MOUNTING HEIGHTS SCHEDULE ON SHEET GAL-G4003.
- IN AREAS WHERE NEW RECEPTACLES ARE PROVIDED, UPDATE THE FACEPLATE OF EXISTING RECEPTACLES TO MATCH.
- ADJUST HEIGHT OF EXISTING LIGHT SWITCHES ACCORDING TO MOUNTING HEIGHTS SCHEDULE ON SHEET GAL-G4003. CONNECT TO EXISTING WIRING AND CONDUITS. EXTEND WIRING AND CONDUITS AS NEEDED.
- REFER TO DETAILS D1301 AND D1302 IN ARCHITECTURAL TYPICAL DETAILS BOOKLET FOR ALL KITCHEN MILLWORK DETAILS.
- MOUNT DOORBELL AT 1050mm AFF FROM CENTER OF DEVICE. CONNECT TO EXISTING CIRCUIT. EXTEND WIRING AND CONDUITS AS NEEDED. REFER TO ARCHITECTURAL SHEET A6012 DETAIL 2 FOR ELEVATION.
- CONDUIT ROUTING SHOWN ON FLOOR LAYOUT IS SCHEMATIC. VERIFY CONDITIONS ON SITE.
- CONNECT RELOCATED EXISTING MECHANICAL EQUIPMENT TO EXISTING CIRCUITS. EXTEND WIRING AND CONDUITS AS NEEDED.
- PENETRATION LOCATIONS ARE APPROXIMATE. VERIFY CONDITIONS ON SITE, AND CONFIRM WITH STAKEHOLDER BEFORE PROCEEDING.
- MOUNT MOTION DETECTOR AT 2300mm AFF. EXISTING WIRING AND CONDUITS TO BE REUSED. EXTEND WIRING AND CONDUITS AS NEEDED. COORDINATE WITH CORPORATE SECURITY BEFORE RELOCATING SECURITY DEVICES.
- REFER TO DETAIL 1 ON SHEET GAL-D4001 FOR SCHEMATIC OF UNIVERSAL WASHROOM CALL SYSTEM.
- VERIFY FIRE ALARM SYSTEM IN ACCORDANCE WITH ULC-S537.



1 POWER AND SYSTEMS PLAN FIRST FLOOR
E2101 Scale: 1:25



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ACCESSIBILITY UPGRADES**

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**SCARBOROUGH ARTS
COUNCIL
1859 KINGSTON RD.**

PROJECT NO:
122260
DRAWN BY:
V. MAC
PROJECT MGR:
F. BOLOURIAN
SHEET TITLE
**POWER & SYSTEMS
PLAN 1ST FLOOR**

CHECKED BY:
M. BOJIC
APPROVED BY:
P. WILLIAMS

SHEET NUMBER
G28-101-E2101
ISSUE
D

2023-01-31 11:58:53 AM

BIM 360/122260 - CoT TAU Upgrades R2020122260-TAU-28-101-1859KINGSTON-E-R20.DWG

Branch Panel: D

Location: MEETING ROOM 003 Volts: 120/240V A.I.C. Rating: 10kA
 Supply From: EXISTING PANEL 'A' IN MEETING RM 003 Phases: 1 Mains Type: Cu
 Mounting: SURFACE Wires: 3 Mains Rating: 60A
 Enclosure: TYPE 1

Notes:

CCT	Circuit Description	Trip	Poles	A		B		Poles	Trip	Circuit Description	CCT
D-1	KITCHEN RCT CCT FROM PANEL A	20	1	1000	70			1	15	KITCHEN 004 UNDERCABINET LTG	D-2
D-3	KITCHEN RCT CCT FROM PANEL A	20	1			1000	180	1	20	KITCHEN 004 GFCI RCT	D-4
D-5	KITCHEN 004 LTG	15	1	100	360			1	15	BASEMENT PDOs x2	D-6
D-7	FAH-01	15	2			1000	20	1	15	EF-02	D-8
D-9				1000	20			1	15	EF-01	D-10
D-11	FAH-02	15	2			1000	180	1	15	CORRIDOR 106 FRIDGE RCT	D-12
D-13				1000	1100			2	15	FAH-03	D-14
D-15	PLATFORM LIFT	25	1			2200	1100				D-16
D-17	EF-03	15	1	20	1000			2	15	FAH-04	D-18
D-19	1ST FLOOR PDOs x3; UNIV WR AUTO FAUCET	15	1			932	1000				D-20
D-21	UNIV WR HAND DRYER	15	1	1000	540			1	15	PRINTING RM 110 RCTs	D-22
D-23	PRINTING RM 110 RCTs	15	1			360	33	1	15	PRINTING RM 110 UNDERCABINET LTG	D-24
D-25	KITCHEN 004 GFCI RCT	20	1	180	180			1	20	KITCHEN 004 GFCI RCT	D-26
D-27	KITCHEN 004 GFCI RCT	20	1			180					D-28
D-29	SPARE	15	1					1	15	SPARE	D-30
D-31	SPARE	15	1					1	15	SPARE	D-32
D-33	SPARE	15	1					1	15	SPARE	D-34
D-35	SPARE	15	1					1	15	SPARE	D-36
Total Load:				7570 VA		9185 VA					
Total Amps:				63.1		76.54					

Panel Totals	
Total Conn. Load	16755 VA
Total Est. Demand	16755 VA
Total Conn. Current	69.81
Total Est. Demand Current	69.81

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SHEET TITLE
**ELECTRICAL PANEL
 SCHEDULE**

SHEET NUMBER ISSUE
G28-101-E3100 C