

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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ISSUES		
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



IBI GROUP

175 Galaxy Blvd, Unit 100

Toronto, ON M9W 0C9, Canada

tel 416 679 1930 fax 416 675 4620

[ibigroup.com](http://ibigroup.com)

PROJECT TITLE  
CITY OF TORONTO  
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

Fire Hall No. 226  
87 MAIN STREET

PROJECT NO:  
122260

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

SHEET TITLE  
DRAWING LIST

SHEET NUMBER <b>G28-314-E0000</b>	ISSUE <b>D</b>
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NOTES:  
1. COORDINATE WITH STAKEHOLDER BEFORE DISCONNECTING LOADS, TO ENSURE  
THAT DOWNTIME IS UNDERSTOOD AND ACCEPTED.

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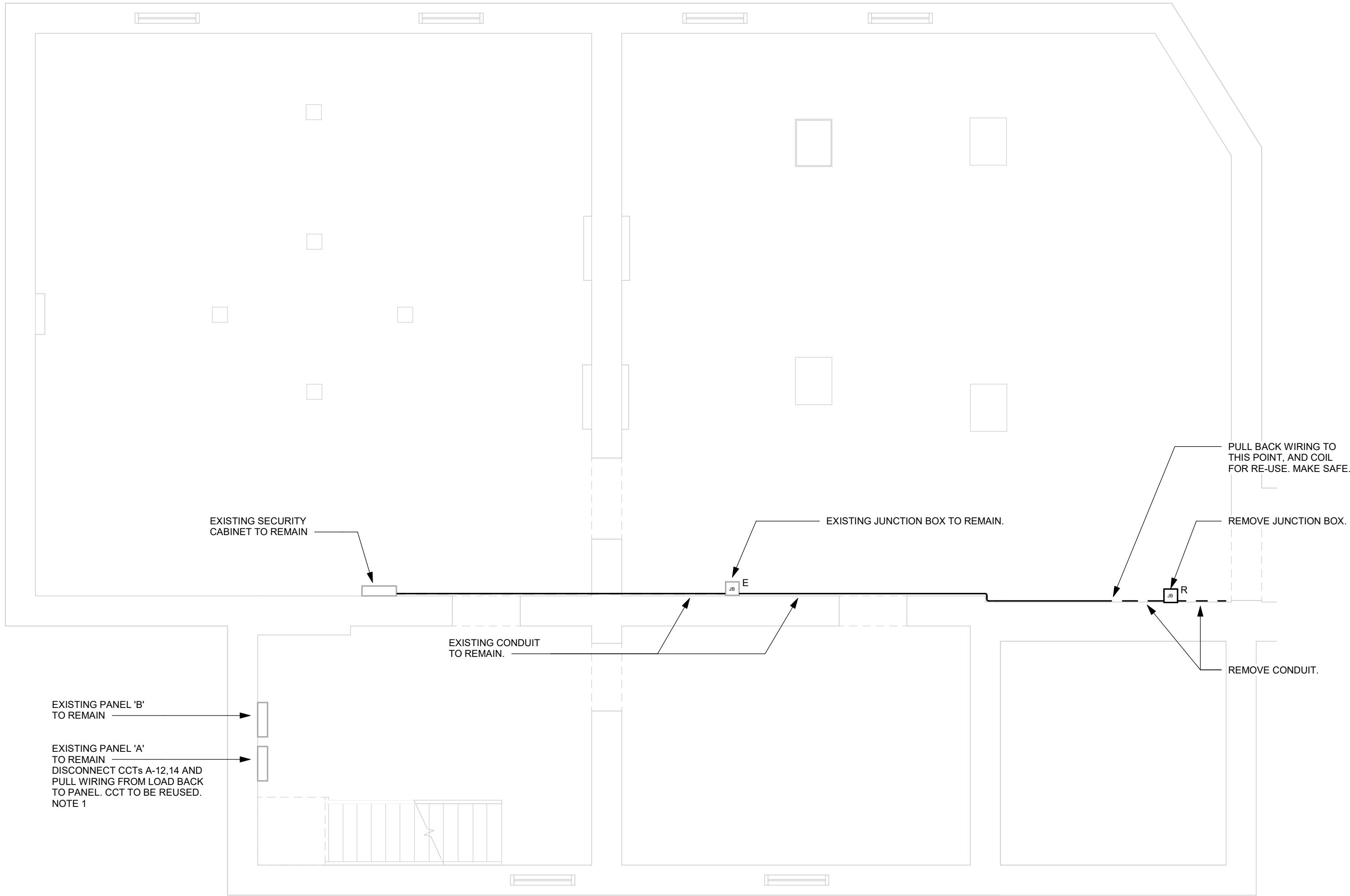
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Fire Hall No. 226  
87 MAIN STREET

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

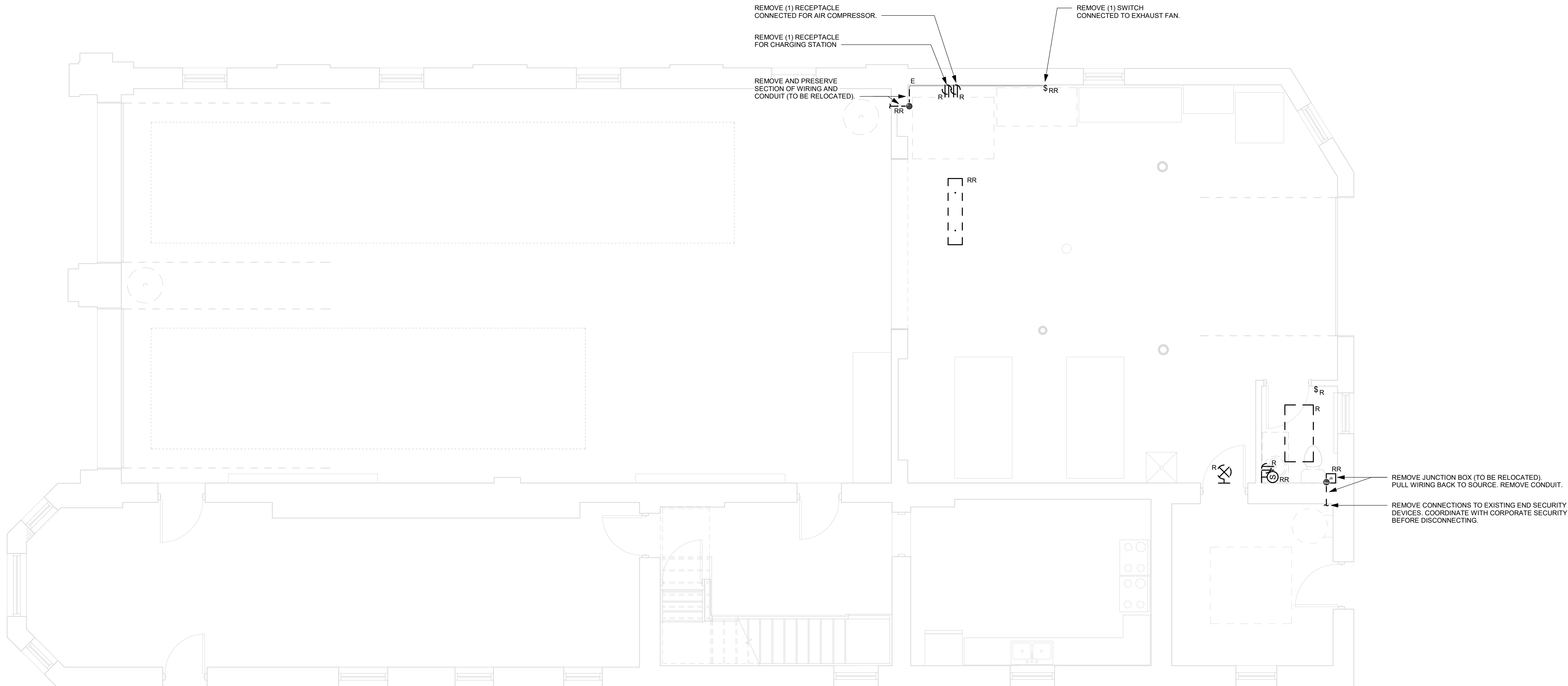
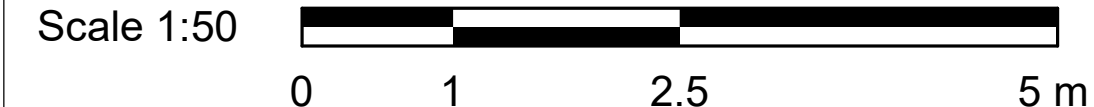
SHEET NUMBER G28-314-E1100	ISSUE C
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1 POWER AND SYSTEMS DEMOLITION PLAN BASEMENT  
E1100 Scale: 1 : 50



2023-01-31 12:33:23 PM



**1** POWER AND SYSTEMS DEMOLITION PLAN FIRST FLOOR  
E1101 Scale: 1 : 50

NOTES:

1. REMOVE CONDUITS CONNECTED TO DATA AND POWER OUTLETS.
2. PULL BACK WIRING TO NEAREST JUNCTION BOX, UNLESS OTHERWISE STATED. MAKE SAFE, AND PREPARE FOR RE-USE (TYPICAL FOR RECEPTACLES, SECURITY DEVICES, LIGHT SWITCHES, OCCUPANCY SENSORS, AND LIGHTS, AS SHOWN ON ELECTRICAL DEMOLITION PLAN).
3. COORDINATE WITH CORPORATE SECURITY BEFORE DISCONNECTING AND RELOCATING SECURITY DEVICES.
4. COORDINATE WITH STAKEHOLDER BEFORE DISCONNECTING LOADS, TO ENSURE THAT DOWNTIME IS UNDERSTOOD AND ACCEPTED.

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87 MAIN STREET**

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

**G28-314-E1101**

ISSUE

**D**

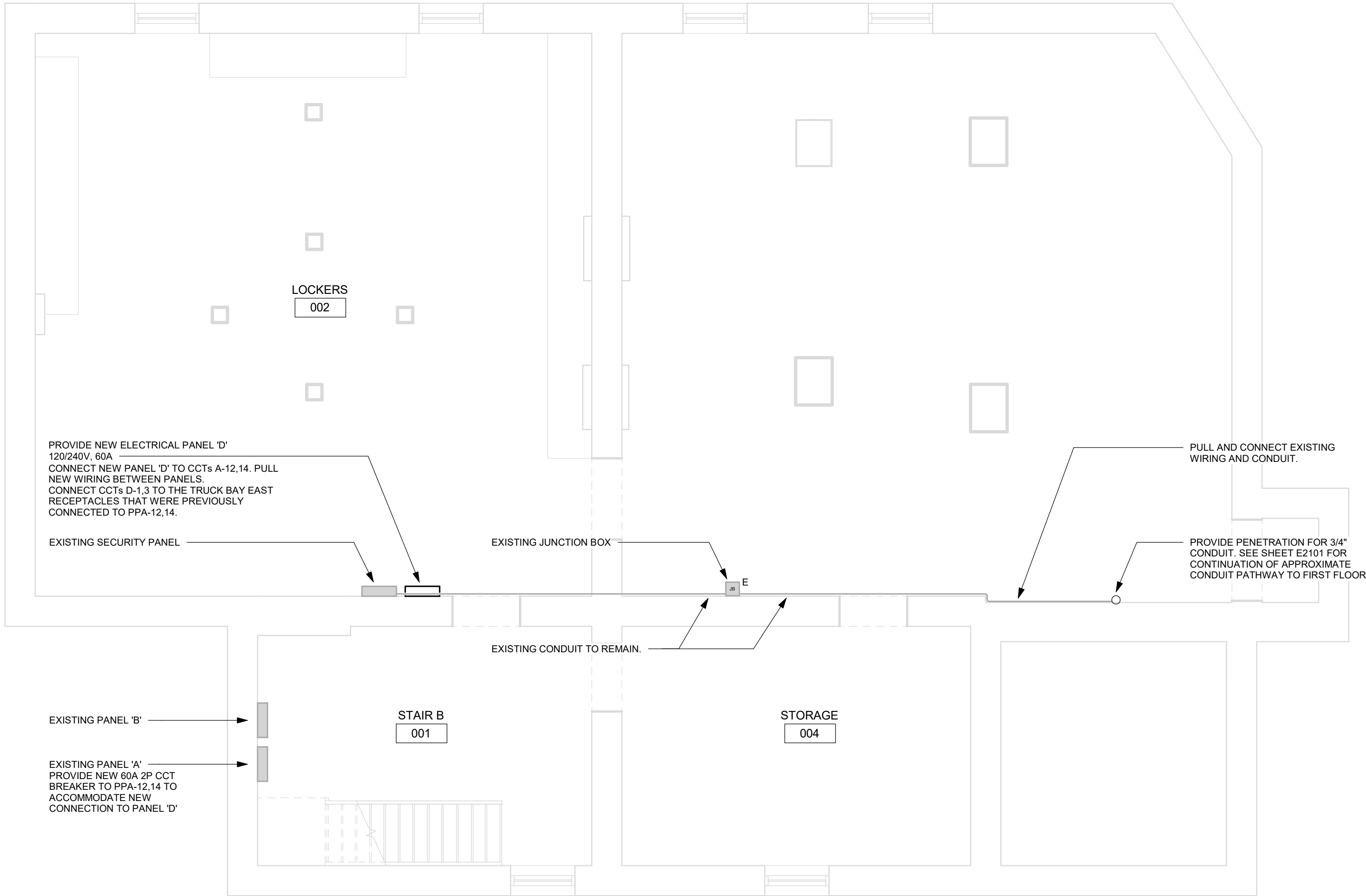
BIM 360://122260 - CoT TAU Upgrades R2020122260-TAU-28-314-87MAIN-E-R20.v4

10mm

SCALE CHECK  
1 m

NOTES:

1. CONDUIT ROUTING SHOWN ON FLOOR LAYOUT IS SCHEMATIC. VERIFY CONDITIONS ON SITE.
2. PENETRATION LOCATIONS ARE APPROXIMATE. VERIFY CONDITIONS ON SITE, AND CONFIRM WITH STAKEHOLDER BEFORE PROCEEDING.



1

POWER AND SYSTEMS PLAN BASEMENT

E2100

Scale: 1 : 50



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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 G28-314-E2100	ISSUE C
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ACCESSIBILITY UPGRADES

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PROJECT NO:  
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DRAWN BY:  
V. MAC

CHECKED BY:  
M. BOJIC

PROJECT MGR:  
F. BOLOURIAN

APPROVED BY:  
P. WILLIAMS

SHEET TITLE  
POWER & SYSTEMS  
PLAN 1ST FLOOR

SHEET NUMBER

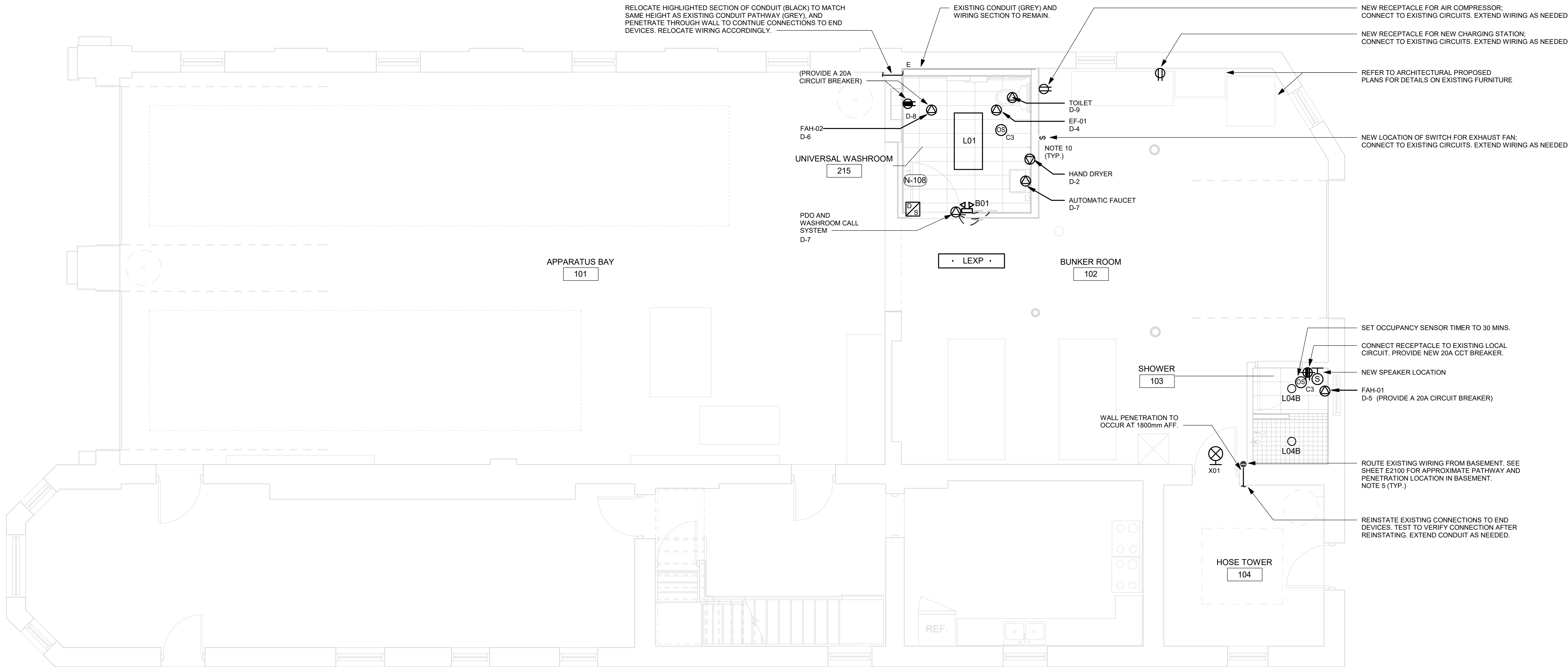
G28-314-E2101

ISSUE

D

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.
- 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.
- PENETRATION LOCATIONS ARE APPROXIMATE. VERIFY CONDITIONS ON SITE, AND CONFIRM WITH STAKEHOLDER BEFORE PROCEEDING.
- 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.
- REMOVE AND REPLACE ALL EXIT SIGNS WITH LUMINAIRE TYPE X01 AS SPECIFIED IN LUMINAIRE SCHEDULE. CONNECT TO EXISTING CIRCUITS.
- 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.
- REFER TO MECHANICAL SHEET M5101 FOR LOCATIONS OF NEW HVAC EQUIPMENT, AND NEW LOCATIONS OF RELOCATED HVAC EQUIPMENT.



1 POWER AND SYSTEMS PLAN 1ST FLOOR  
E2101 Scale: 1 : 50

Scale 1:50  
0 1 2.5 5 m

Branch Panel: D

Location: BASEMENT  
Supply From: EXISTING PANEL A  
Mounting: SURFACE  
Enclosure: TYPE 1

Volts: 120/240V  
Phases: 1  
Wires: 3

A.I.C. Rating: 10kA  
Mains Type: Cu  
Mains Rating: 60A

Notes:

CCT	Circuit Description	Trip	Poles	A		B		Poles	Trip	Circuit Description	CCT
D-1	EXISTING TRUCK BAY RCTs FROM PANEL A	15	1	1200	1000			1	15	B/F WR - HAND DRYER	D-2
D-3	EXISTING TRUCK BAY RCTs FROM PANEL A	15	1			1200	20	1	15	B/F W/R - EF-01	D-4
D-5	SHOWER - FAH-01	20	1	1500	1500			1	20	B/F W/R - FAH-02	D-6
D-7	B/F W/R - AUTOMATIC FAUCET, PDO	15	1			230	180	1	20	B/F W/R - GFCI RCT	D-8
D-9											D-10
D-11											D-12
D-13											D-14
D-15											D-16
D-17											D-18
D-19											D-20
D-21											D-22
D-23											D-24
D-25											D-26
D-27											D-28
D-29											D-30
D-31											D-32
D-33											D-34
D-35											D-36
D-37	SPARE	15	1					1	15	SPARE	D-38
D-39	SPARE	15	1					1	15	SPARE	D-40
D-41	SPARE	15	1					1	15	SPARE	D-42
D-43	SPARE	15	1					1	15	SPARE	D-44
D-45	SPARE	15	1					1	15	SPARE	D-46
D-47	SPARE	15	1					1	15	SPARE	D-48

Total Load: 5200 VA 1630 VA  
Total Amps: 43.3 13.58

Panel Totals	
Total Conn. Load	6830 VA
Total Est. Demand	6830 VA
Total Conn. Current	28.46
Total Est. Demand Current	28.46

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SHEET TITLE  
ELECTRICAL PANEL  
SCHEDULE

SHEET NUMBER

G28-314-E3100

ISSUE

C