

1 FOURTH FLOOR PROPOSED  
E2104 Scale: 1 : 50

- NOTES:
1. PROVIDE AUTOMATIC DOOR OPERATOR AS SHOWN ON PLAN. REFER TO ARCHITECTURAL PLANS FOR LOCATION OF PUSH BUTTONS. PROVIDE ROUGH IN AND CABLING FROM DOOR OPERATOR TO PUSH BUTTONS.
  2. PROVIDE ALARM CONTACT CABLING FROM FRIDGE TO SECURITY SYSTEM.
  3. PROVIDE SECURITY DEVICES AS SHOWN ON PLAN. CONNECT TO SECURITY ACCESS CONTROL PANEL AS INDICATED ON RISER DIAGRAM.
  4. PROVIDE IP INTERCOM DEVICES AND CABLING AS SHOWN ON PLAN. INTERCOM CABLING TO GO TO NEAREST HUB ROOM PATCH PANEL. PROGRAM INTERCOM SYSTEM PER SEQUENCE OF OPERATION ON INTERCOM SCHEMATIC DRAWING.
  5. PROVIDE NURSE CALL SYSTEM FOR EACH ADDICTION TREATMENT ROOM. WIRED BACK TO ANNUNCIATION PANEL IN TEAM STATION ROOM 406. PROVIDE NURSE CALL INDICATOR LIGHT MOUNTED ABOVE EACH DOOR AND NURSE CALL BUTTON IN EACH ROOM.
  6. PROVIDE POWER DISTRIBUTION EQUIPMENT AS SHOWN ON PLAN. REFER TO SINGLE LINE DIAGRAM AND RISER DIAGRAM FOR MORE DETAIL.
  7. PROVIDE MAGNETIC LOCKS. CONTROL PANEL VIA GFCI BREAKER. MAG LOCK CONTROLLER TO BE WIRED TO SECURITY ACCESS CONTROL PANEL.
  8. ALL DEVICES/COVER PLATES/SWITCHES WITHIN ALL ADDICTION TREATMENT ROOMS, ROOM 404, 409 ARE TO BE RATED FOR ANTI LIGATURE.
  9. ALL EMERGENCY CALL SYSTEM ALARM SIGNALS ARE TO HAVE AN ADDITIONAL SET OF WIRES TO BUILDING SECURITY SYSTEM TO BE PROGRAMMED AS AN ALARM POINT.

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PROJECT TITLE  
**CITY OF TORONTO  
ACCESSIBILITY UPGRADES**

PROJECT ADDRESS  
**50 RICHMOND ST. E.  
RENOVATIONS  
50 RICHMOND STREET EAST  
TORONTO, ONTARIO**

PROJECT NO:  
9119-19-0162 / 30286113

DRAWN BY:  
**M. BOJIC**

CHECKED BY:  
**F. RASTI**

PROJECT MGR:  
**F. BOULORIAN**

APPROVED BY:  
**F. RASTI**

SHEET TITLE  
**POWER & SYSTEMS  
PLAN 4TH FLOOR**

SHEET NUMBER  
**E2104**

ISSUE  
**C**

SYMBOL	DESCRIPTION
	COMBINATION MAGNETIC STARTER
	MAGNETIC STARTER
	DIRECT CONNECTION TO EQUIPMENT
	NON-FUSED DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	MANUAL STARTER
	JUNCTION BOX
	RELAY
	MOTOR - SINGLE PHASE
	MOTOR - 3 PHASE
	MOTOR - 3 PHASE WITH NON-FUSIBLE DISCONNECT
	START/STOP PUSHBUTTON FOR POWER
	CONTROL PANEL
	MAN HOLE
	HEAT TRACING
	HORSEPOWER RATED MOTOR TOGGLE SWITCH
	PUSHBUTTON FOR POWER
	SINGLE RECEPTACLE
	DUPLEX RECEPTACLE
	SPECIAL RECEPTACLE
	SPLIT CIRCUIT DUPLEX RECEPTACLE
	QUADRUPLEX RECEPTACLE
	FURNITURE FEED
<u>DESIGNATIONS FOR RECEPTACLES</u>	
C	CEILING
D	DEPRESSED WITH FLOOR SLAB/ACCESS FLOOR
F	FURNITURE MTD
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
S	MOUNTED ON SURFACE OF FLOOR
U	UNDERFLOOR
WP	WEATHER PROTECTED
	FEEDER BUSWAY
	PLUG-IN BUSWAY WITH BUS PLUG
30 15A	30 DENOTES SWITCH RATING, 15A DENOTES FUSE RATING
	PLUG-IN BUSWAY WITH TAP BOX
	PLUG-IN BUSWAY WITH EXPANSION BOX
	PAD MOUNT TRANSFORMER
	SUSPENDED TRANSFORMER
	RECEPTACLE AND/OR LIGHTING PANELBOARD - SURFACE MOUNTED
	RECEPTACLE AND/OR LIGHTING PANELBOARD - RECESSED
	POWER AND/OR DISTRIBUTION PANELBOARD - SURFACE MOUNTED
	POWER AND/OR DISTRIBUTION PANELBOARD - RECESSED
<u>TRANSFORMER &amp; PANELBOARD IDENTIFICATION</u>	
1. EQUIPMENT DESIGNATION: LP7N-102	
LP = LIGHTING	
PP = POWER	
DP = DISTRIBUTION	
SP = SWITCHBOARD	
SG = SWITCHGEAR	
PDC = POWER DISTRIBUTION CENTER	
MCC = MOTOR CONTROL CENTER	
RP = RELAY PANEL	
MP = MECHANICAL	
TX = TRANSFORMER	
UP = UPS	
MTS = MANUAL TRANSFER SWITCH	
2. VOLTAGE DESIGNATION: 2 = 120/208V - 3PH	
6 = 347/600V - 3PH	
3. SYSTEM DESIGNATION: N = NORMAL	
E = EMERGENCY	
UA = UPS #1	
UB = UPS #2	
4. FLOOR DESIGNATION: 1 = FIRST FLOOR	
2 = SECOND FLOOR	
3 = ROOF	
5. PANEL NO. DESIGNATION: 01 = PANELBOARD #1	
02 = PANELBOARD #2	
03 = PANELBOARD #3	
ETC.	

SYMBOL	DESCRIPTION
NORMAL	LIFE SAFETY
	CEILING, OR PENDANT MOUNTED LUMINAIRE
	LINEAR CEILING, PENDANT OR WALL MOUNTED LUMINAIRE
	WALL MOUNTED LUMINAIRE
	POLE MOUNTED LUMINAIRE
\$	LIGHT SWITCH
<u>DESIGNATIONS FOR LIGHT SWITCHES</u>	
3	3 - 3-WAY
4	4 - 4-WAY
D	- DIMMER
K	- KEY OPERATED
MC	- MOMENTARY CONTACT
P	- PILOT LIGHT
OC	- OCCUPANCY SENSOR SWITCH
CS	CEILING MOUNTED OCCUPANCY SENSOR
HCS	WALL MOUNTED OCCUPANCY SENSOR
PE	CEILING MOUNTED PHOTO-ELECTRIC CONTROL
HPE	WALL MOUNTED PHOTO-ELECTRIC CONTROL
EXIT SIGN - CEILING MOUNTED	EXIT SIGN - CEILING MOUNTED
ARROW(S) DENOTES DIRECTION	ARROW(S) DENOTES DIRECTION
SHADED AREA(S) DENOTES FACE	SHADED AREA(S) DENOTES FACE
EXIT SIGN - WALL MOUNTED	EXIT SIGN - WALL MOUNTED
EMERGENCY LIGHTING BATTERY WITH 2 HEADS	EMERGENCY LIGHTING BATTERY WITH 2 HEADS
DOUBLE REMOTE EMERGENCY LIGHTING HEADS	DOUBLE REMOTE EMERGENCY LIGHTING HEADS
SINGLE REMOTE EMERGENCY LIGHTING HEADS	SINGLE REMOTE EMERGENCY LIGHTING HEADS
SPACE TYPE FOR LIGHTING CONTROL	SPACE TYPE FOR LIGHTING CONTROL
REFER TO SEQUENCE OF OPERATION	REFER TO SEQUENCE OF OPERATION

SYMBOL	DESCRIPTION
	LIGHTNING AIR TERMINAL
	PIG TAIL CONNECTION
	CONDUCTOR DOWN TO BUILDING GROUND LOOP
	GROUND ROD
L	DENOTES LIGHTNING PROTECTION
	GROUND ROD INSPECTION WELL
	INSPECTION WELL
GROUND CONNECTION	GROUND CONNECTION
OTHER CONNECTION TYPES AS NOTED	OTHER CONNECTION TYPES AS NOTED
GP = GROUND PLATE	GP = GROUND PLATE
GSU = GROUND STIRRUP	GSU = GROUND STIRRUP
REB = REBAR	REB = REBAR
TH = THERMITWELD	TH = THERMITWELD
CW = COMPRESSION WELD	CW = COMPRESSION WELD
////	GROUND BUS
—————	#4/0 BARE COPPER GROUND GRID CONDUCTOR (UNDER SLAB)
—————	#4/0 BARE COPPER GROUND GRID CONDUCTOR (EMBEDDED IN SLAB)
—————	#4/0 BARE COPPER GROUND LOOP, RISER & JUMPER
—————	GROUND LOOP SERVICE ROOM
—————	LIGHTNING GROUND CONDUCTOR

SYMBOL	DESCRIPTION
	REMOTE ANNUNCIATOR
	FIRE ALARM CONTROL PANEL
	FIRE ALARM MANUAL PULL STATION
	PREACTION ABORT
	PREACTION PULL
	CARBON DIOXIDE ABORT
	CARBON DIOXIDE PULL
	FIRE ALARM BELL
	FIRE ALARM BELL w STROBE
	CEILING MOUNTED FIRE ALARM SPEAKER
	WALL MOUNTED FIRE ALARM SPEAKER
	FIRE ALARM HORN
	FIRE ALARM HORN w STROBE
	WALL MOUNTED STROBE LIGHT
	CEILING MOUNTED STROBE LIGHT
	WARNING LIGHT
	ACTIVE FIELD DEVICE CONTROL MODULE
	ACTIVE FIELD DEVICE MONITOR MODULE
	END OF LINE DEVICE
	FIRE ALARM RELAY
	FIRE DO NOT ENTER SIGN
	INDIVIDUAL ADDRESSABLE MODULE
	ISOLATOR MODULE
	MAGNETIC DOOR HOLDER
	POST INDICATOR VALVE
	SPRINKLER FLOW SWITCH
	SPRINKLER PRESSURE SWITCH
	SPRINKLER SUPERVISED VALVE
	ZONE ADAPTOR MODULE
	FLAME DETECTOR
	GAS DETECTOR
	HEAT DETECTOR
	SMOKE DETECTOR
	COMBINATION HEAT & SMOKE DETECTOR
<u>SMOKE DETECTORS</u>	
AS =	AIR SAMPLING
P =	PHOTOELECTRIC
I =	IONIZATION
BR =	BEAM RECIEVER
BT =	BEAM TRANSMITER
ID =	IN DUCT
R =	RELAY BASE
SS	SINGLE STATION
SB =	SOUNDER BASE
U =	UNDER RAISED FLOOR
<u>HEAT DETECTORS</u>	
R =	RATE OF RISE
F =	FIXED
RF =	RATE OF RISE/FIXED COMBO
RC =	RATE COMPENSATION
LHD =	LINEAR HEAT DETECTOR
<u>FLAME DETECTORS</u>	
IR =	INFRA RED
<u>GAS DETECTORS</u>	
CO =	CARBON MONOXIDE

SYMBOL	DESCRIPTION
	FIBRE OPTIC DATA OUTLET
	COPPER DATA OUTLET
	FIBRE TELEPHONE OUTLET
	COPPER TELEPHONE OUTLET
<u>DESIGNATIONS FOR DATA/TELEPHONE OUTLETS</u>	
ATEL	ADMINISTRATIVE TELEPHONE
C	CEILING
CAP	CUSTOMER ASSISTANCE PHONE
D	DEPRESSED WITH FLOOR SLAB/ACCESS FLOOR
DAS	DISTRIBUTED ANTENNA SYSTEM
DDC	DIRECT DIGITAL CONTROL
EEL	EMERGENCY ELECTRICAL CONTROL PANEL
ETEL	EMERGENCY TELEPHONE
F	FURNITURE MOUNTED
ITEL	INFORMATION TELEPHONE
O	OVERHEAD
P	PENDANT
PATEL	PUBLIC ASSISTANCE TELEPHONE
R	RACK MOUNTED PATCH PANEL
S	MOUNTED ON SURFACE OF FLOOR
U	UNDERFLOOR
W	FLUSH WITH SURFACE WALL MOUNTED
WAP	WIRELESS ACCESS POINT

SYMBOL	DESCRIPTION
	CAMERA

SYMBOL	DESCRIPTION
	DOOR CONTROLLER
	DOOR MONITOR CONTACT
	DOOR BY-PASS KEYED SWITCH
	ELECTRIC DOOR STRIKE
	GLASS BREAK DETECTOR
	INTRUSION ACCESS CONTROL
	KEY PAD
	MOTION DETECTOR
	MAGNETIC LOCK
	DRIVER COUPLER VIEW MONITOR
	PUSH TO EXIT
	REQUEST TO EXIT
	PUSH BUTTON
	SIREN
	ELECTRONIC LOCKSET
	FLOOR LIMIT SWITCH
	ELECTRONIC HINGE

SYMBOL	DESCRIPTION
	INTERCOM HANDSET
	INTERCOM WALL TERMINAL

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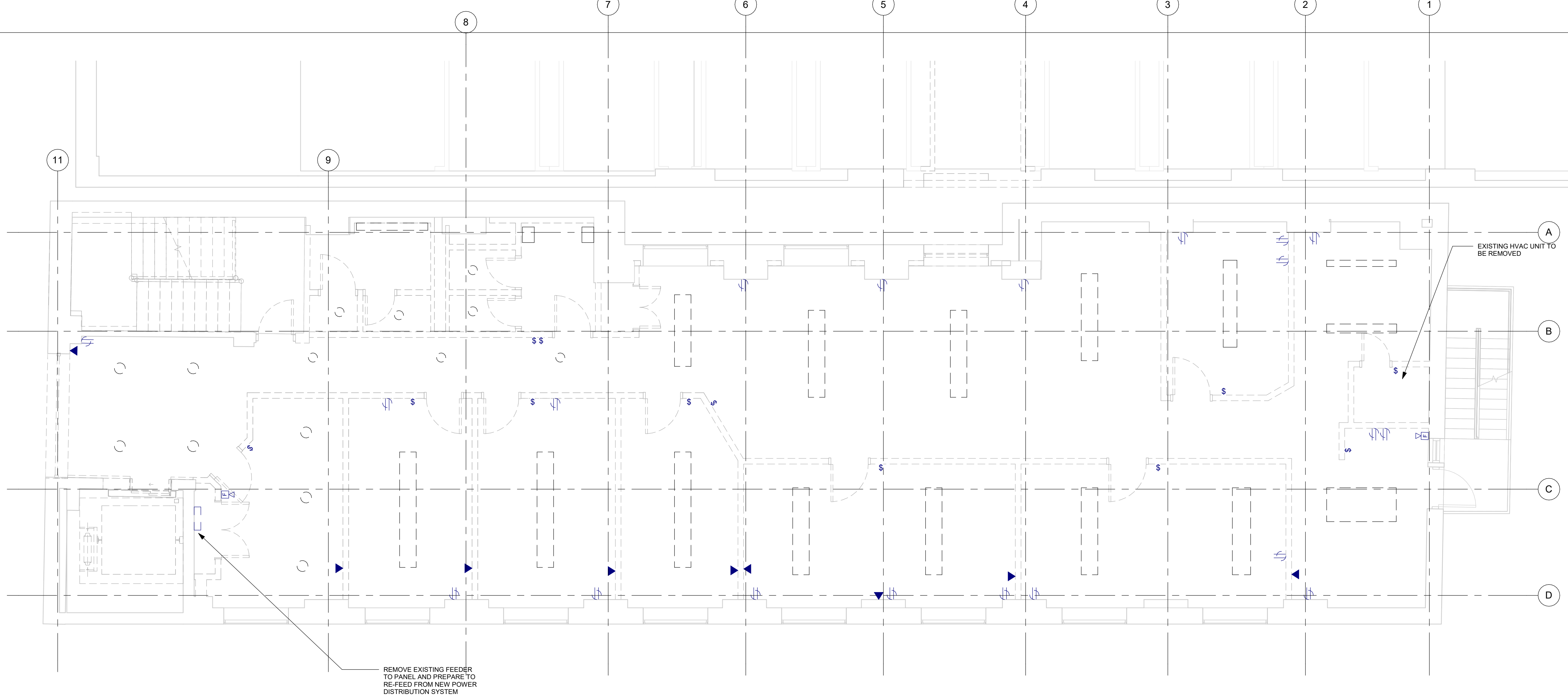
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50 RICHMOND ST. E.  
RENOVATIONS  
50 RICHMOND STREET EAST  
TORONTO, ONTARIO

PROJECT NO: 9119-19-0162 / 30286113	
DRAWN BY: M.BOJIC	CHECKED BY: F. RASTI
PROJECT MGR: F. BOULORIAN	APPROVED BY: F. RASTI
SHEET TITLE ELECTRICAL LEGEND	
SHEET NUMBER E0001	ISSUE D





**1**  
E1106 **FOURTH FLOOR DEMOLITION**  
Scale: 1 : 50

- NOTES:
- EXISTING PARTITIONS, WALLS, CEILINGS AND FLOOR HEIGHTS ARE BEING MODIFIED FOR THIS PROJECT. ELECTRICAL EQUIPMENT ON WALLS IS TO BE REMOVED AS INDICATED.
  - REMOVE ALL EXISTING LIGHTING, LIGHTING CONTROL, FIRE ALARM, RECEPTACLES, SECURITY, COMMUNICATIONS OUTLETS/CABLING AND MECHANICAL EQUIPMENT CONNECTIONS, MAKE SAFE AND PULL BACK TO SOURCE.

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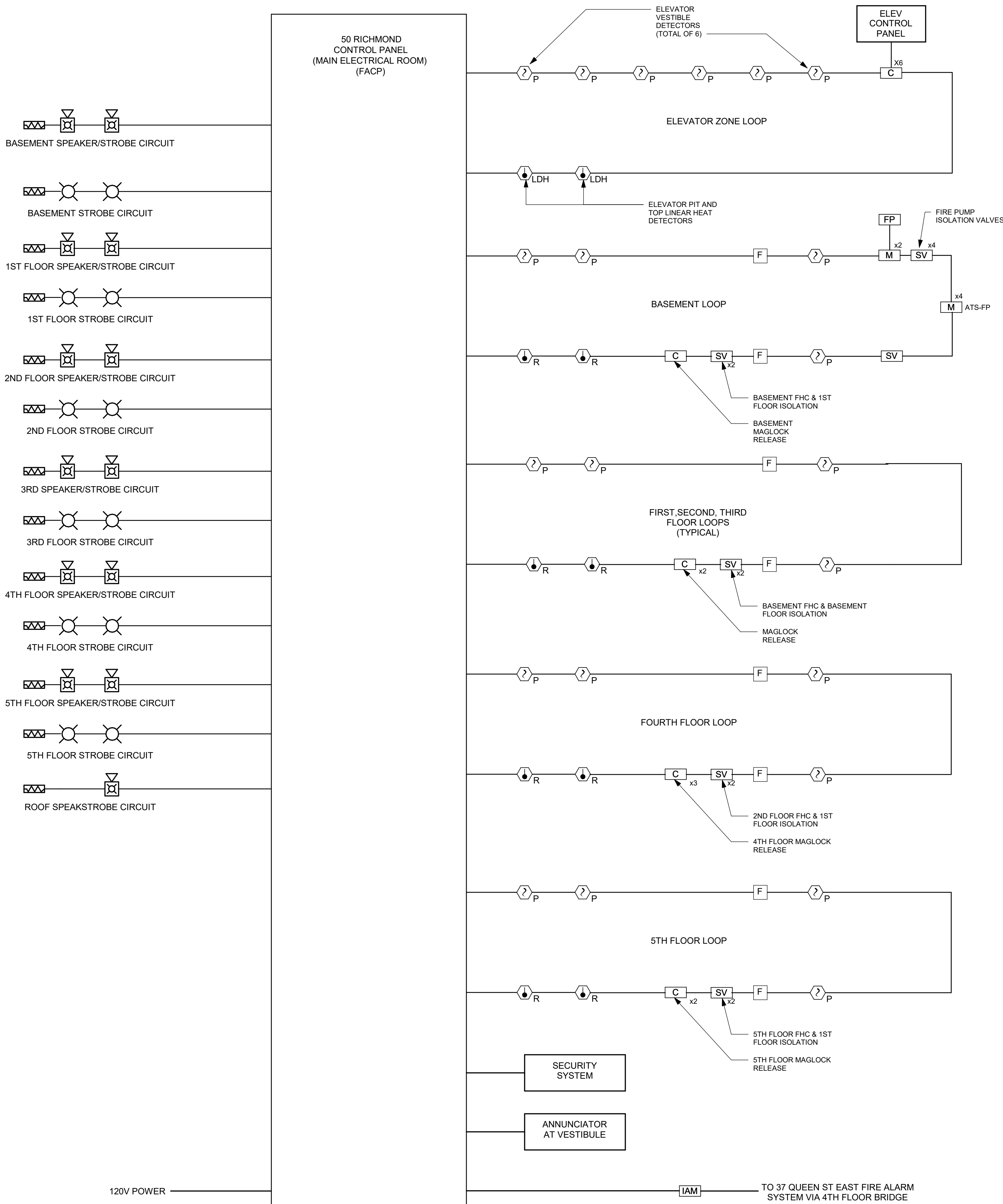
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PROJECT NO: 9119-19-0162 / 30286113	
DRAWN BY: <b>M. BOJIC</b>	CHECKED BY: <b>F. RASTI</b>
PROJECT MGR: <b>F. BOULORIAN</b>	APPROVED BY: <b>F. RASTI</b>

SHEET TITLE  
**ELECTRICAL  
DEMOLITION PLAN 4TH  
FLOOR**

SHEET NUMBER <b>E1106</b>	ISSUE <b>C</b>
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**F. BOULORIAN**

APPROVED BY:  
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SHEET TITLE  
**FIRE ALARM RISER**

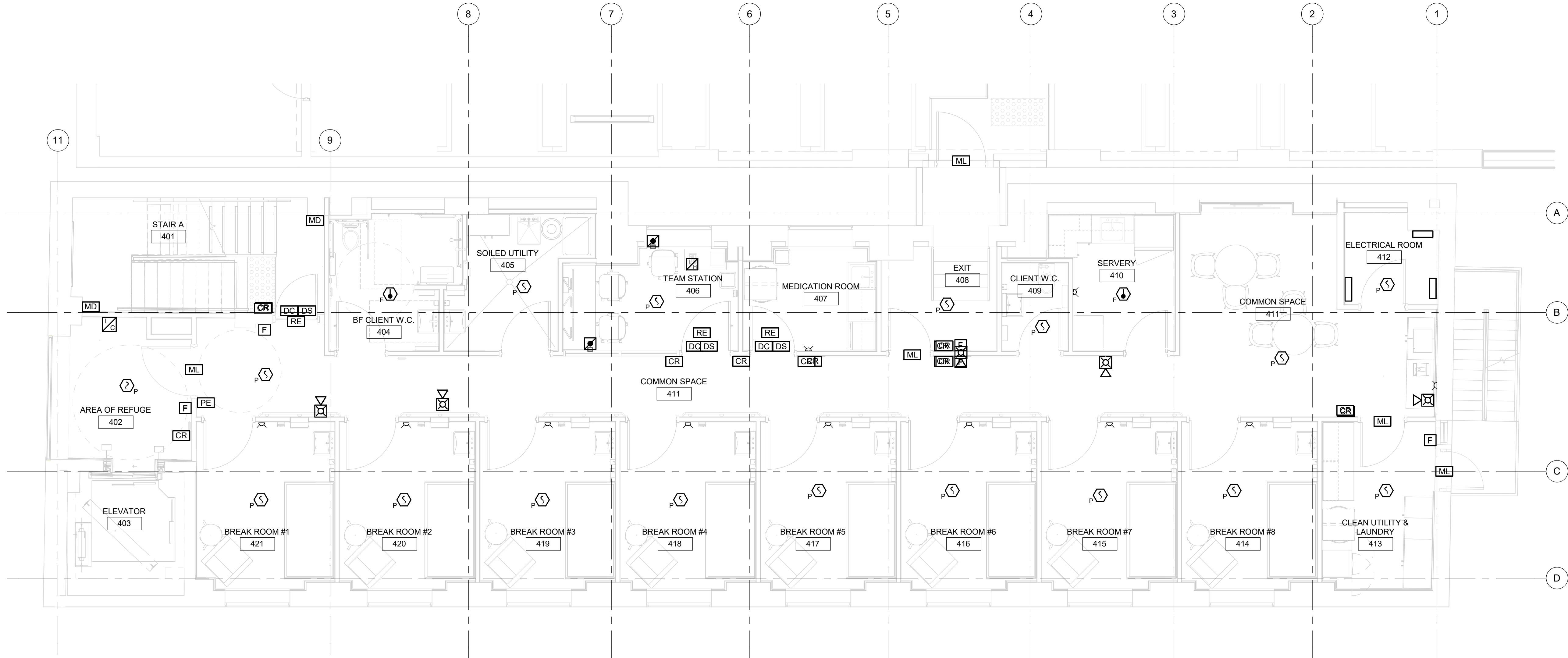
SHEET NUMBER  
**E4001**

ISSUE  
**B**

Autodesk Docs/122260 - Cot TAU Upgrades R2024/122260-TAU-33-50-Richmond-E-R24.rvt

10mm

SCALE CHECK  
1"=



1 FIRE ALARM FOURTH FLOOR PROPOSED  
E4104 Scale: 1 : 50

- NOTES:
- CONTRACTOR IS TO UNDERTAKE PERMIT APPLICATIONS FOR EACH MAGLOCK DEVICE AND INCLUDE COSTS PER THE CONTRACT.
  - ACCESS CONTROL DEVICES ARE SHOWN FOR REFERENCE AND ARE NOT INTENDED TO BE COUNTED AGAIN.
  - PROVIDE NEW STROBES AND HORNS AS INDICATED ON PLAN. STROBES 15CD UNLESS OTHERWISE NOTED.
  - ALL EXPOSED DEVICES IN PRIVATE AREAS TO BE RATED FOR ANTI LIGATURE.

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PROJECT MGR:  
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APPROVED BY:  
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SHEET TITLE  
**FIRE ALARM PLAN 4TH  
FLOOR**

SHEET NUMBER  
**E4104**  
ISSUE  
**C**



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PROJECT MGR:  
F. BOULORIAN

APPROVED BY:  
F. RASTI

SHEET TITLE

ELECTRICAL LEGEND 2

SHEET NUMBER

E0002

ISSUE

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DRAWN BY: M.BOJIC	CHECKED BY: F. RASTI
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PROJECT MGR: F. BOULORIAN	APPROVED BY: F. RASTI
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SHEET TITLE  
ELECTRICAL LEGEND 3

SHEET NUMBER  
E0003

ISSUE  
D



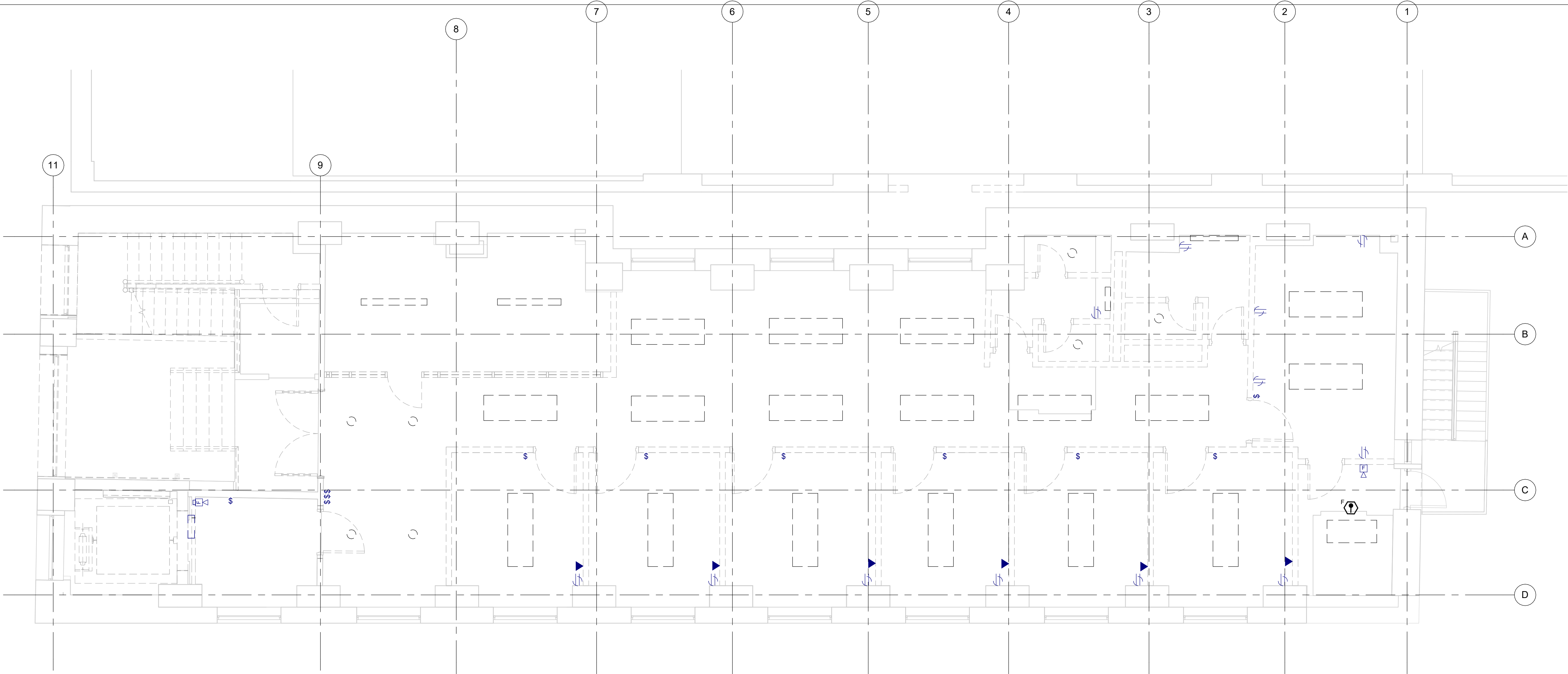


NOTES:

1. EXISTING PARTITIONS, WALLS, CEILINGS AND FLOOR HEIGHTS ARE BEING REMOVED/MODIFIED FOR THIS PROJECT. ELECTRICAL EQUIPMENT ON WALLS IS TO BE REMOVED AS INDICATED. CERTAIN ELECTRICAL PIECES ARE TO BE RELOCATED AS INDICATED. MAKE SURE ALL EQUIPMENT AND COORDINATE WITH TORONTO HYDRO REGARDING RELOCATION OF SERVICE ENTRANCE EQUIPMENT. REMOVE ALL EXISTING ELECTRICAL RECEPTS, SWITCHES, JACKS THROUGHOUT THE BUILDING.
2. REFER TO WALL ELEVATION FOR LOCATIONS AND QUANTITY OF EXISTING ELECTRICAL DISTRIBUTION EQUIPMENT. ALL ELECTRICAL EQUIPMENT ALONG WALL TO BE REMOVED. TRANSFORMERS TO BE RELOCATED. CONDUIT TO BE REMOVED/ADJUSTED TO SUIT NEW POWER DISTRIBUTION EQUIPMENT.



SHEET NUMBER	ISSUE
E1100	D



1 FIRST FLOOR DEMOLITION  
E1101 Scale: 1 : 50

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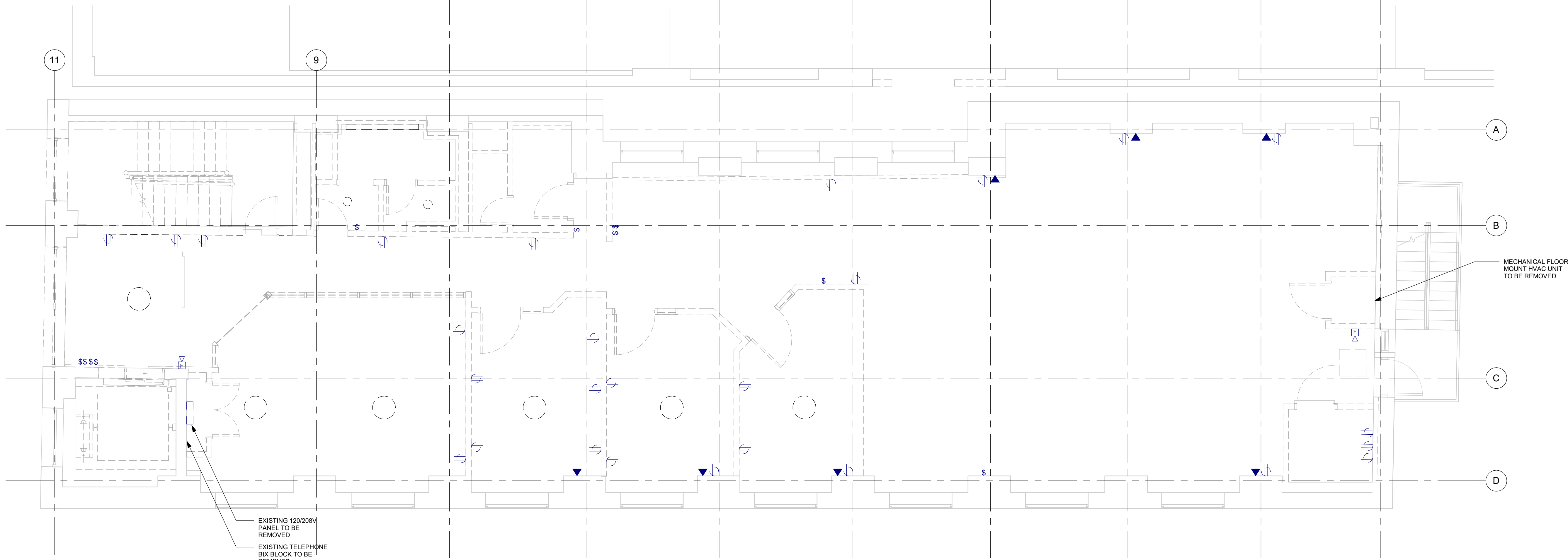
DRAWN BY: <b>M. BOJIC</b>	CHECKED BY: <b>F. RASTI</b>
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PROJECT MGR: <b>F. BOULORIAN</b>	APPROVED BY: <b>F. RASTI</b>
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SHEET TITLE  
**ELECTRICAL  
DEMOLITION PLAN 1ST  
FLOOR**

SHEET NUMBER  
**E1101**

ISSUE  
**C**



1 SECOND FLOOR DEMOLITION  
E1102 Scale: 1 : 50

NOTES:

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PROJECT ADDRESS  
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RENOVATIONS  
50 RICHMOND STREET EAST  
TORONTO, ONTARIO**

PROJECT NO:  
9119-19-0162 / 30286113

DRAWN BY: <b>M. BOJIC</b>	CHECKED BY: <b>F. RASTI</b>
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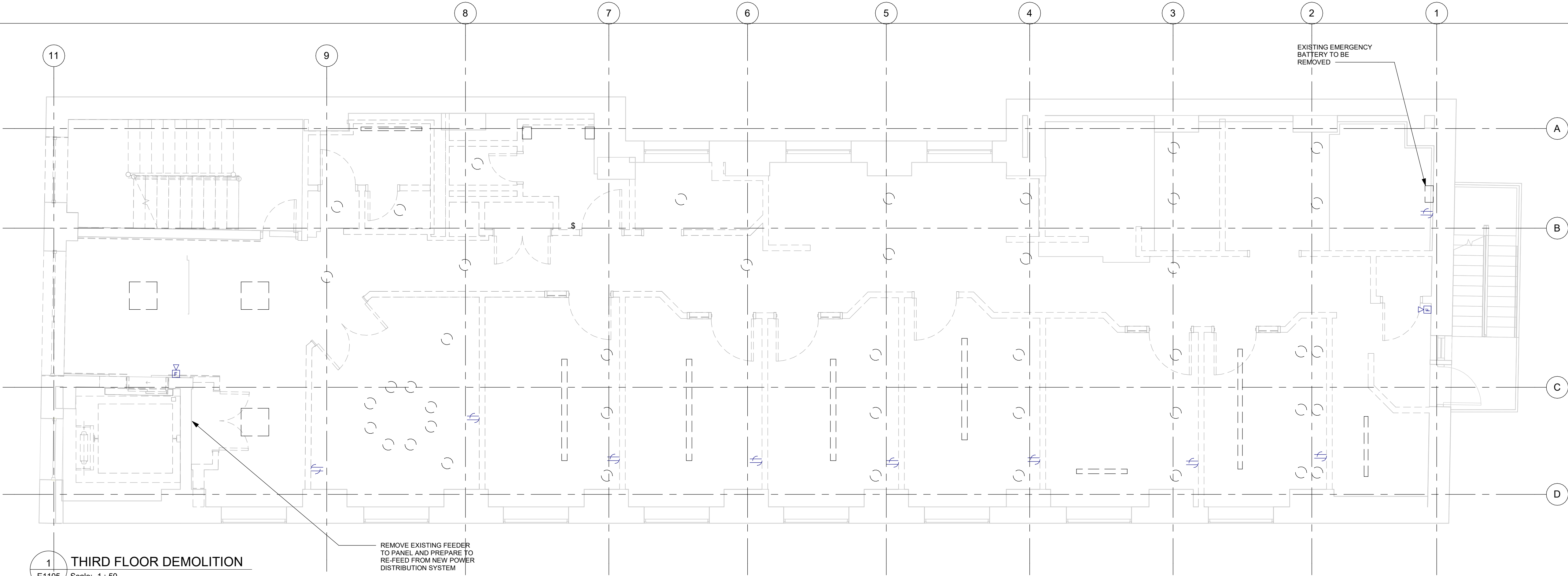
PROJECT MGR: <b>F. BOULORIAN</b>	APPROVED BY: <b>F. RASTI</b>
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SHEET TITLE  
**ELECTRICAL  
DEMOLITION PLAN 2ND  
FLOOR**

SHEET NUMBER  
**E1102**

ISSUE  
**C**





NOTES:

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PROJECT NO:  
9119-19-0162 / 30286113

DRAWN BY:  
**M. BOJIC**

CHECKED BY:  
**F. RASTI**

PROJECT MGR:  
**F. BOULORIAN**

APPROVED BY:  
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SHEET TITLE

**ELECTRICAL  
DEMOLITION PLAN 3RD  
FLOOR**

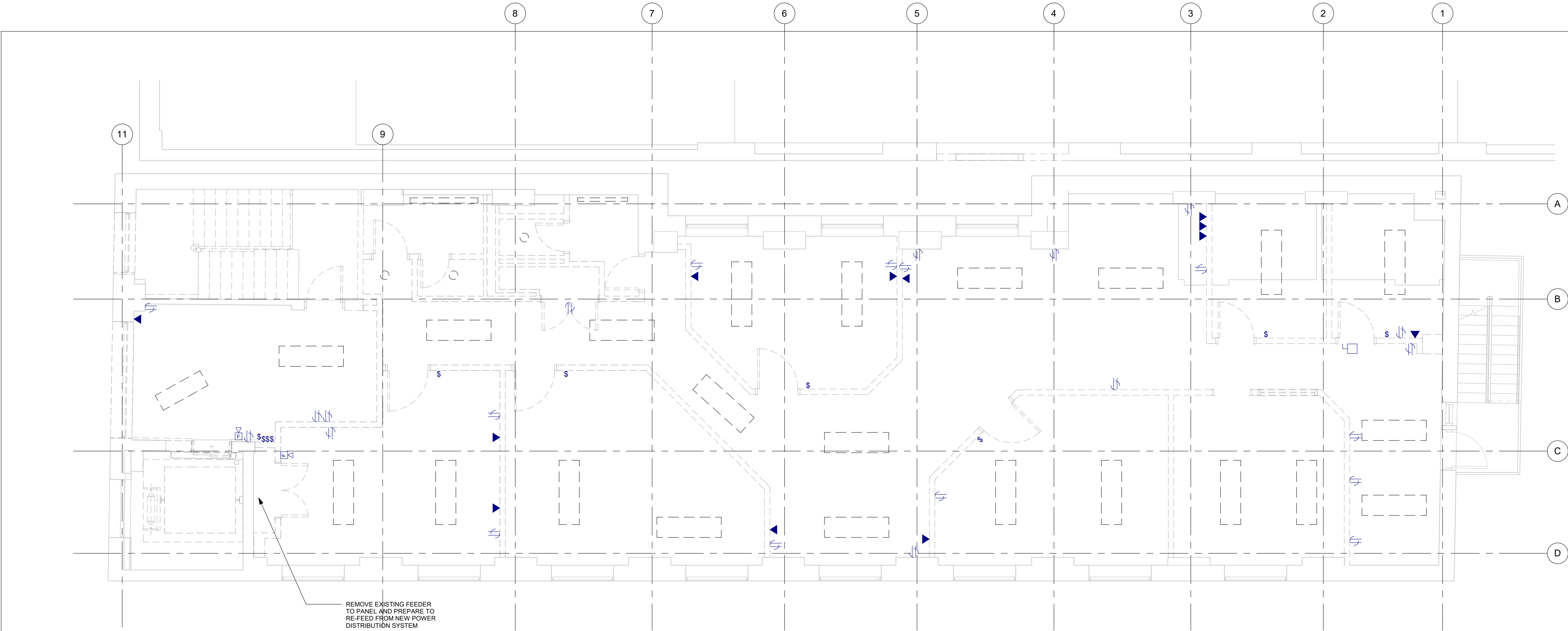
SHEET NUMBER

**E1105**

ISSUE

**C**





1

FIFTH FLOOR DEMOLITION

E1107

Scale: 1 : 50

- NOTES:
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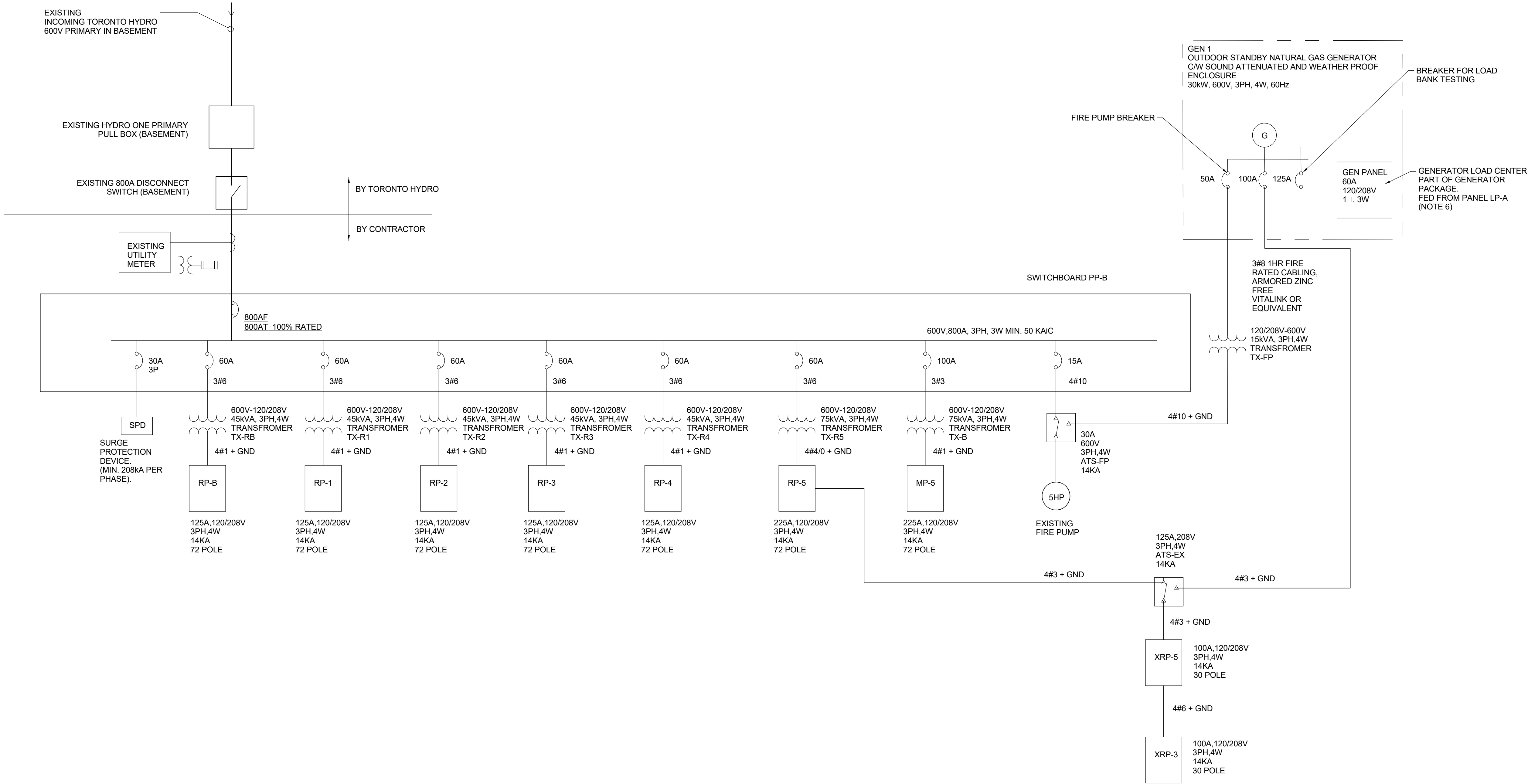
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DRAWN BY: M.BOJIC	CHECKED BY: F. RASTI
PROJECT MGR: F. BOULORIAN	APPROVED BY: F. RASTI

SHEET TITLE  
ELECTRICAL  
DEMOLITION PLAN 5TH  
FLOOR

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PROJECT NO:  
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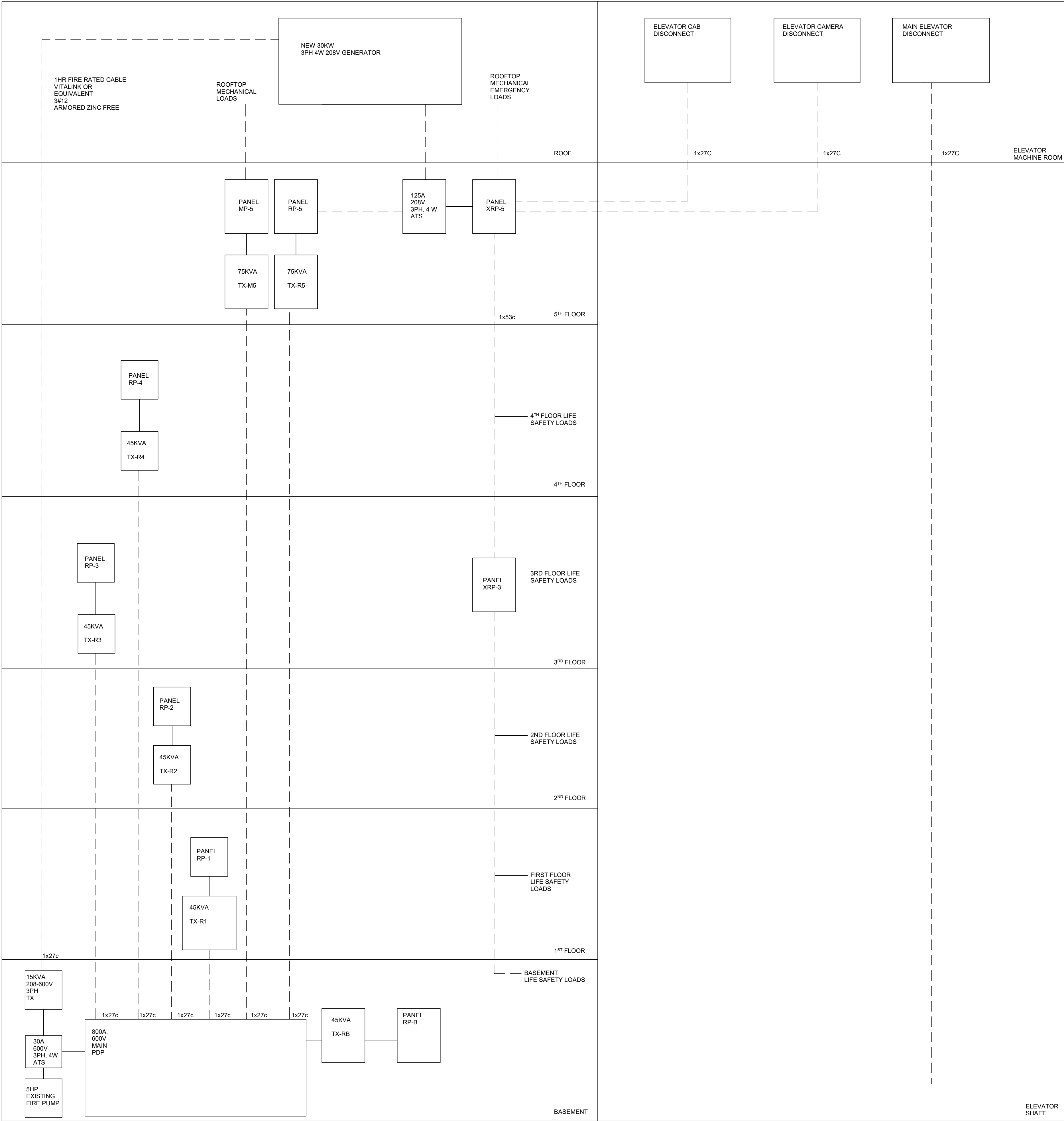
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SHEET TITLE

ELECTRICAL SINGLE  
LINE DIAGRAM

SHEET NUMBER	ISSUE
E2000	B

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1 ELECTRICAL POWER DISTRIBUTION RISER DIAGRAM  
E2001 Scale: 1 : 1

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DRAWN BY:  
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CHECKED BY:  
**F. RASTI**

PROJECT MGR:  
**F. BOULORIAN**

APPROVED BY:  
**F. RASTI**

SHEET TITLE  
**ELECTRICAL POWER  
DISTRIBUTION RISER**

SHEET NUMBER  
**E2001**

ISSUE  
**C**

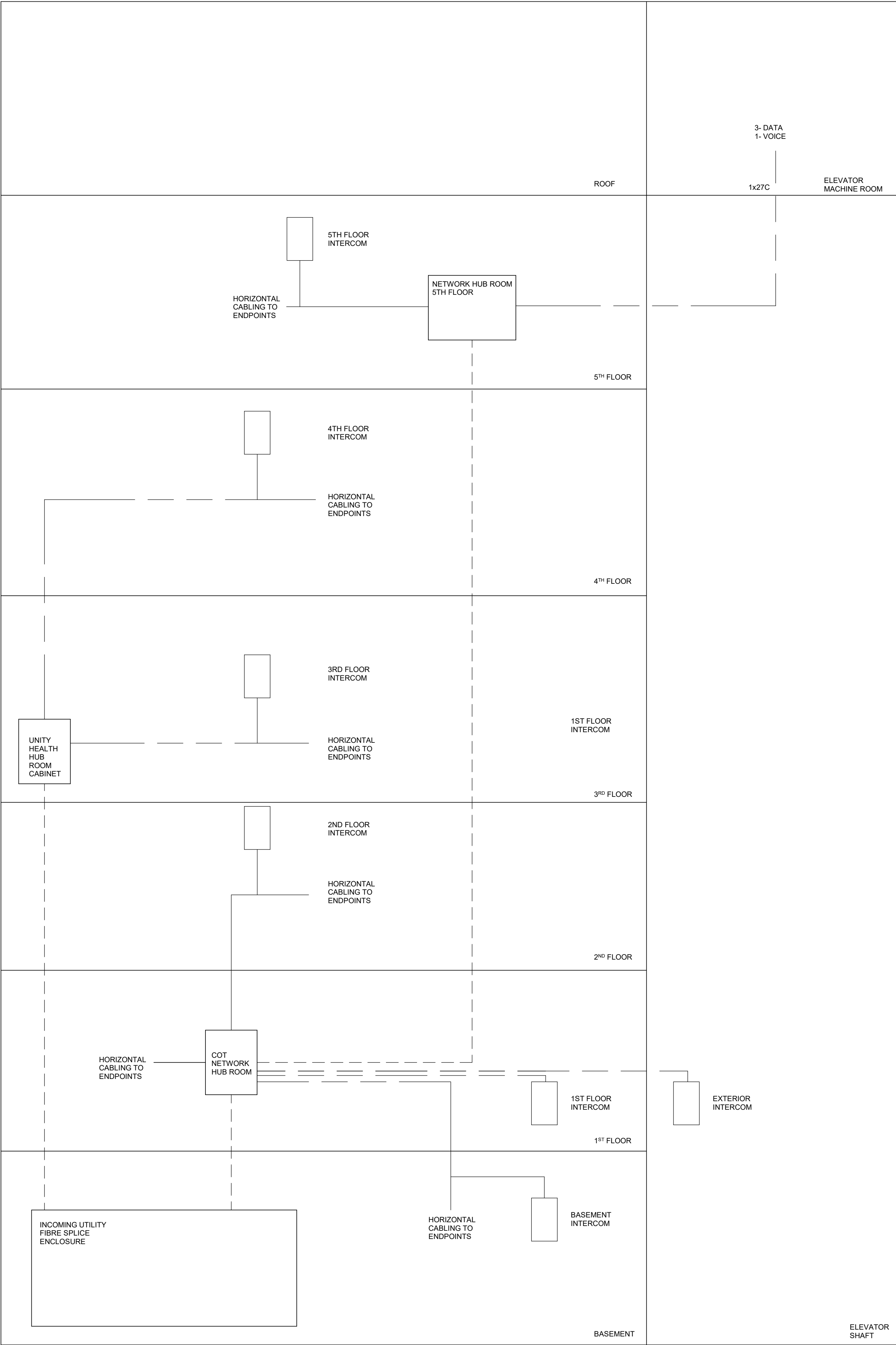
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1  
E2002

STRUCTURED CABLING DISTRIBUTION RISER DIAGRAM

Scale: 1 : 1



--- OM4 FIBRE DUPLEX  
— CAT6

NOTES:

1. PROVIDE EQUIPMENT AND CABLING TO SUIT SYSTEM AS DEPICTED. PROVIDE ALL ACCESSORIES AND CONNECTORS TO FACILITATE CONNECTION AT ENDPOINTS AND NETWORK SWITCHESPATCH PANELS.
2. INTERCOMS SHOWN ARE FIXED WALL TERMINAL UNITS. IN ADDITION TO THESE, DESK MOUNTED UNITS TO BE CONNECTED AND PROGRAMMED TO INTERCOM IP SYSTEM.

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PROJECT NO:

9119-19-0162 / 30286113

DRAWN BY:

M.BOJIC

CHECKED BY:

F. RASTI

PROJECT MGR:

F. BOULORIAN

APPROVED BY:

F. RASTI

SHEET TITLE

STRUCTURED CABLING  
DISTRIBUTION RISER

SHEET NUMBER

E2002

ISSUE

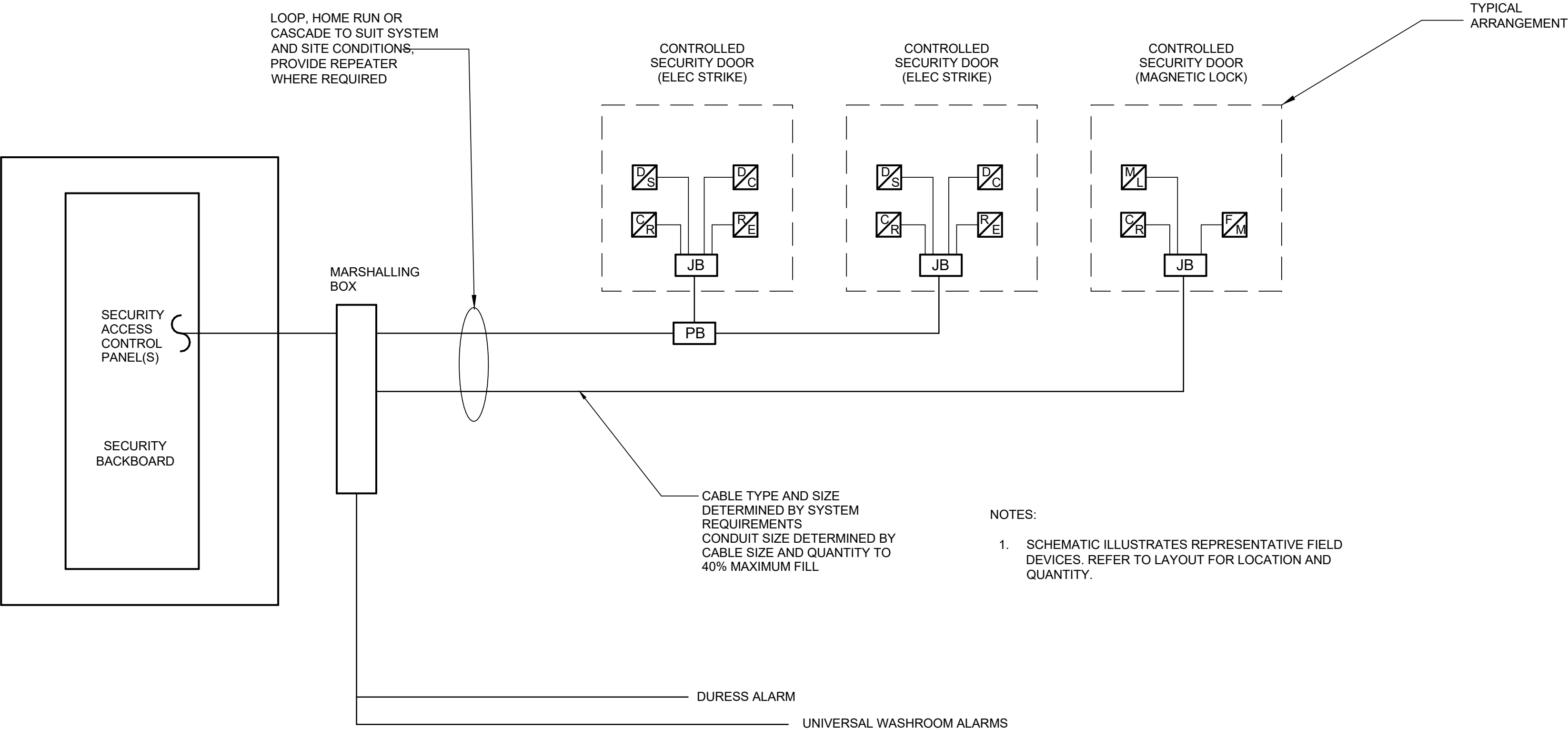
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10mm

SCALE CHECK  
1 m





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PROJECT MGR: <b>F. BOULORIAN</b>	APPROVED BY: <b>F. RASTI</b>


SHEET TITLE

**SECURITY SCHEMATIC**

SHEET NUMBER	ISSUE
<b>E2003</b>	<b>C</b>

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F. RASTI

PROJECT MGR:  
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APPROVED BY:  
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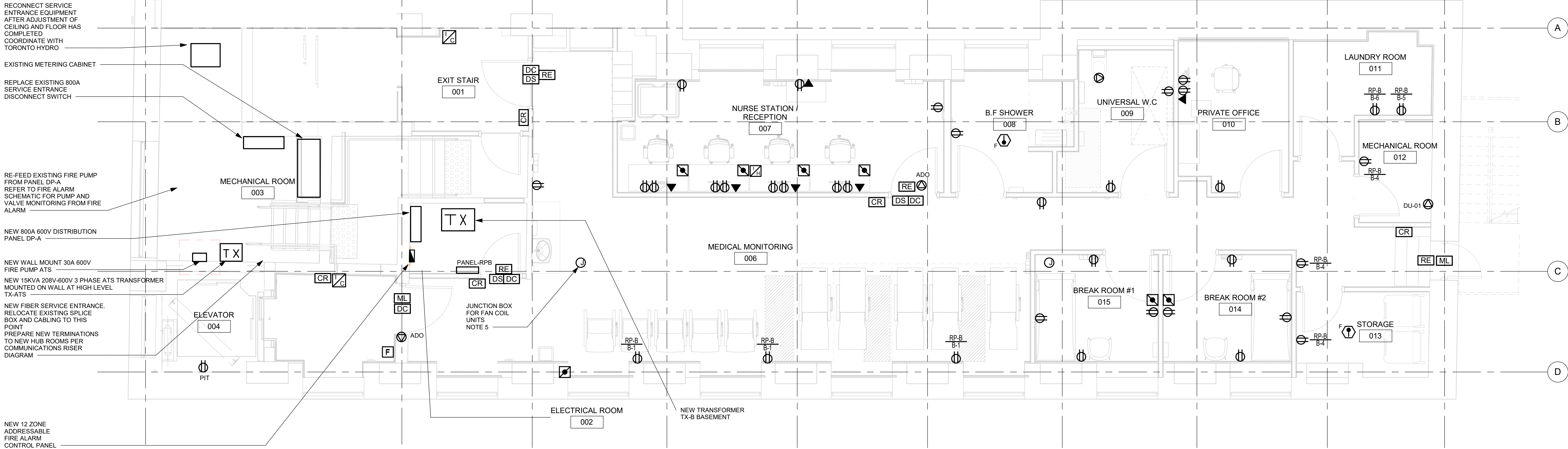
NURSE CALL  
SCHEMATIC

SHEET NUMBER

E2004

ISSUE

C



1 POWER AND SYSTEMS PLAN - BASEMENT  
E2100 Scale: 1 : 50

- NOTES:
1. PROVIDE NEW 800A MAIN BREAKER, 600V POWER DISTRIBUTION PANEL AND RE-FEED ALL EXISTING 600V LOADS FROM THIS NEW PANEL THAT WERE PREVIOUSLY FED FROM THE EXISTING SPLITTER SYSTEM
  2. PROVIDE AUTOMATIC DOOR OPERATOR AS SHOWN ON PLAN. REFER TO ARCHITECTURAL PLANS FOR LOCATION OF PUSH BUTTONS. PROVIDE ROUGH IN AND CABLING FROM DOOR OPERATOR TO PUSH BUTTONS. FEED FROM PANEL LP-1
  3. ALL ACCESS CONTROL DEVICES ON THIS FLOOR TO BE CONTROLLED BY PANEL LOCATED IN HUB ROOM ON 1ST FLOOR
  4. CONNECT ALL DURESS BUTTONS TO SECURITY SYSTEM. SEE PLAN FOR BUTTON LOCATIONS.
  5. JUNCTION BOX WITH CIRCUIT SHOWN FOR FAN COIL UNITS IN CEILING. REFER TO MECHANICAL PLAN FOR LOCATIONS. GROUP FAN COIL UNITS MAXIMUM 5 PER CIRCUIT.

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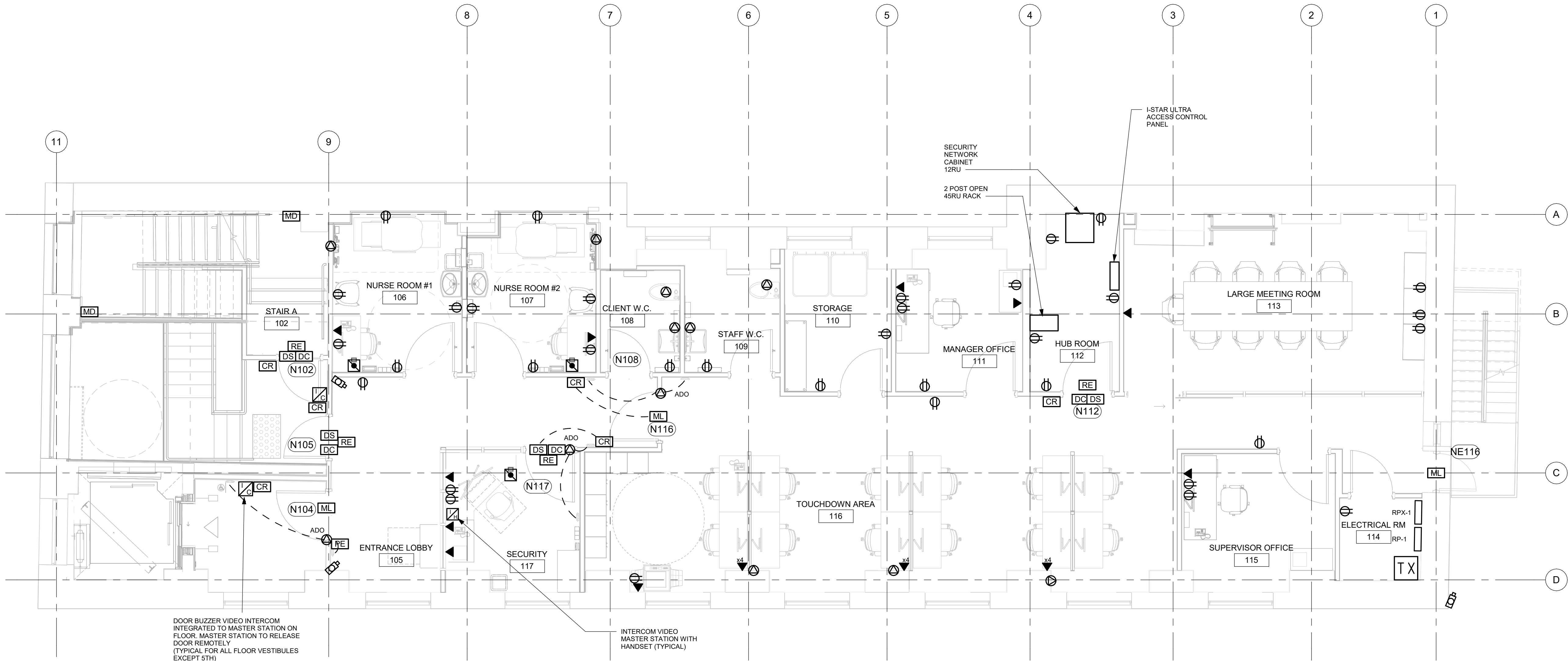
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PROJECT MGR: <b>F. BOULORIAN</b>	APPROVED BY: <b>F. RASTI</b>

SHEET TITLE  
**POWER & SYSTEMS  
PLAN BASEMENT**

SHEET NUMBER <b>E2100</b>	ISSUE <b>D</b>
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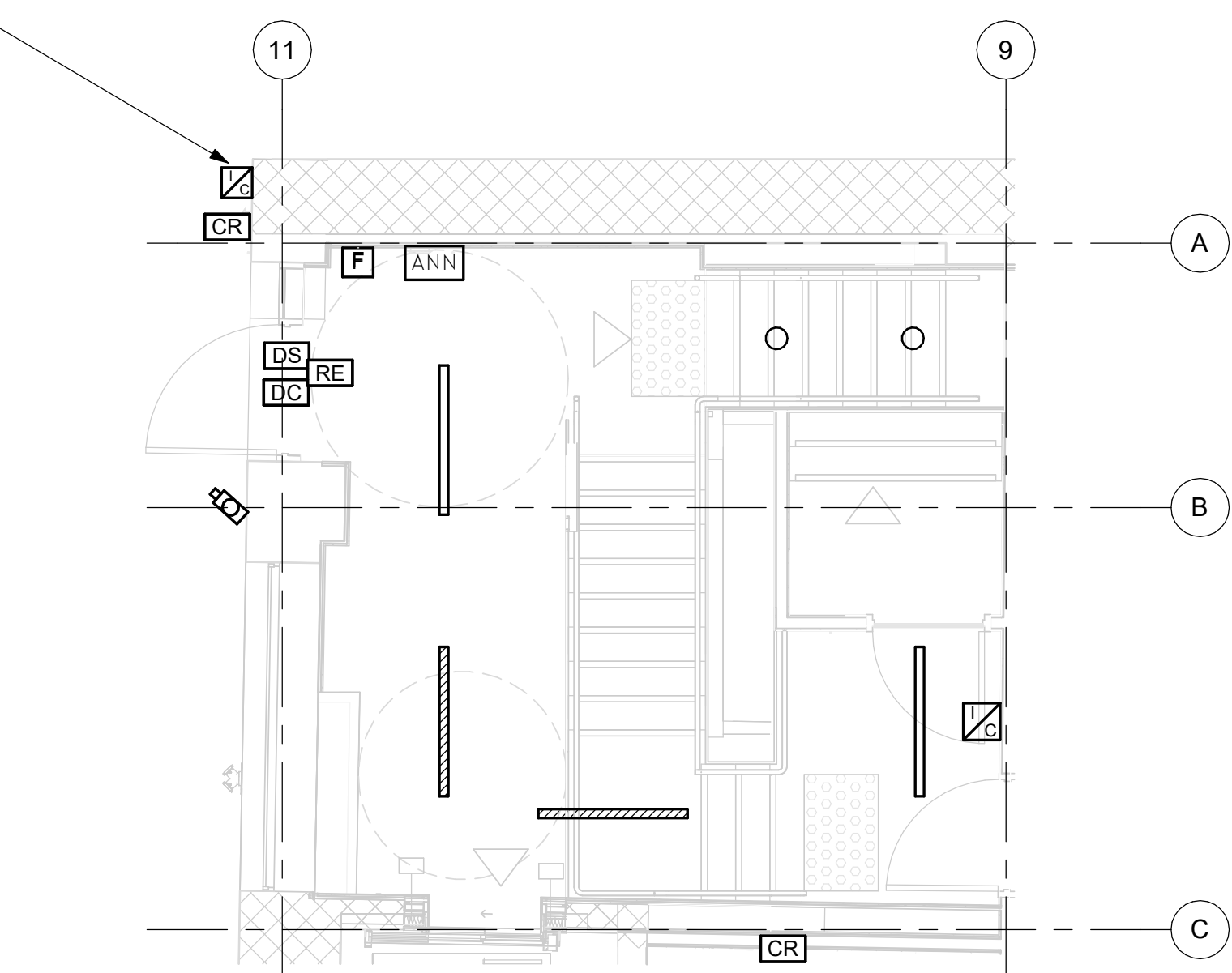
1 FIRST FLOOR PROPOSED

E2101 Scale: 1 : 50

NOTES:

1. PROVIDE AUTOMATIC DOOR OPERATOR AS SHOWN ON PLAN. REFER TO ARCHITECTURAL PLANS FOR LOCATION OF PUSH BUTTONS. PROVIDE ROUGH IN AND CABLING FROM DOOR OPERATOR TO PUSH BUTTONS.
2. PROVIDE ALL CONNECTIONS FROM DURESS ALARMS SHOWN TO SECURITY SYSTEM.
3. JUNCTION BOX WITH CIRCUIT SHOWN FOR FAN COIL UNITS IN CEILING. REFER TO MECHANICAL PLAN FOR LOCATIONS. GROUP FAN COIL UNITS MAXIMUM 5 PER CIRCUIT.
4. ALL ACCESS CONTROL DEVICES ON THIS FLOOR TO BE CONTROLLED BY PANEL LOCATED IN HUB ROOM ON 1ST FLOOR

INTERCOM TERMINAL  
INTERFACE TO CALL  
EACH FLOOR  
MASTER STATION



2 GRADE LEVEL LOBBY

E2101 Scale: 1 : 50

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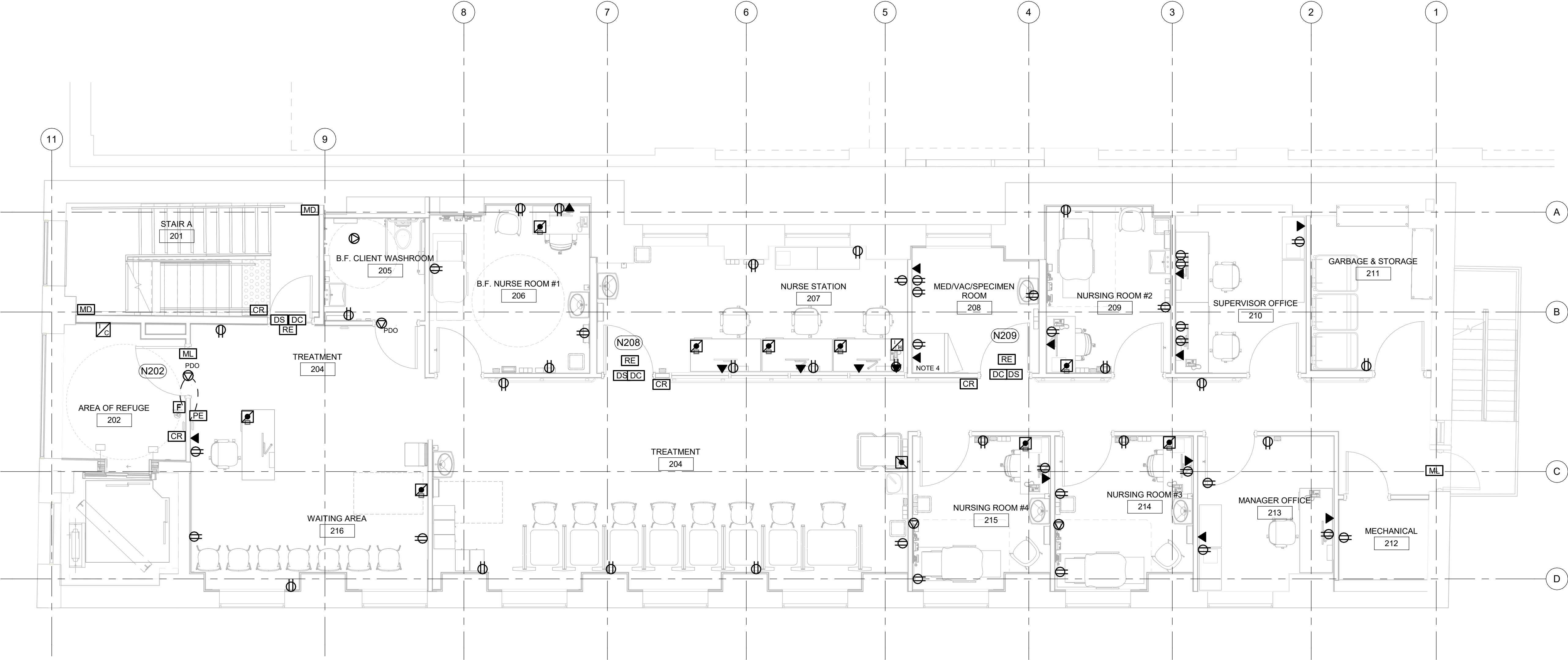
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SHEET TITLE  
**POWER & SYSTEMS  
PLAN LOBBY & 1ST  
FLOOR**

SHEET NUMBER  
**E2101**

ISSUE  
**C**





1 SECOND FLOOR PROPOSED  
E2102 Scale: 1 : 50

- NOTES:
1. PROVIDE AUTOMATIC DOOR OPERATOR AS SHOWN ON PLAN. REFER TO ARCHITECTURAL PLANS FOR LOCATION OF PUSH BUTTONS. PROVIDE ROUGH IN AND CABLING FROM DOOR OPERATOR TO PUSH BUTTONS.
  2. PROVIDE ALARM CONTACT CABLING FROM FRIDGE TO SECURITY SYSTEM

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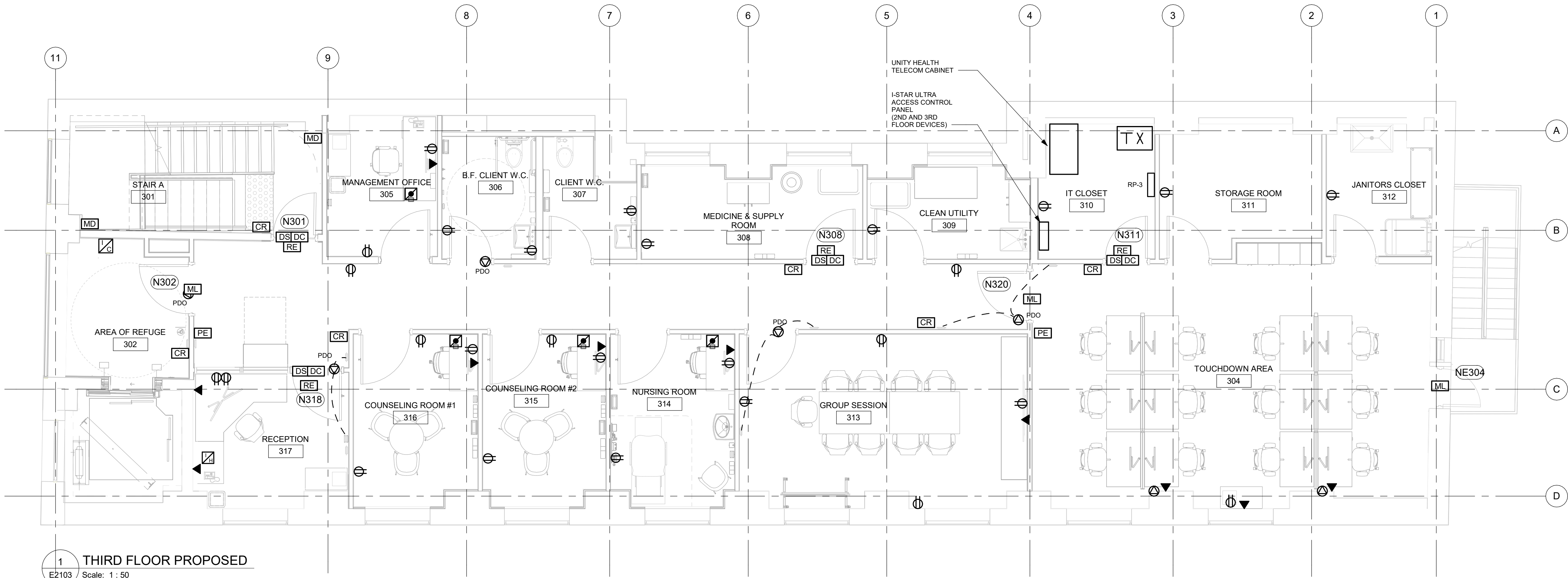
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PROJECT MGR:  
**F. BOULORIAN**  
CHECKED BY:  
**F. RASTI**  
APPROVED BY:  
**F. RASTI**

SHEET TITLE  
**POWER & SYSTEMS  
PLAN 2ND FLOOR**

SHEET NUMBER <b>E2102</b>	ISSUE <b>C</b>
------------------------------	-------------------



1 THIRD FLOOR PROPOSED  
E2103 Scale: 1 : 50

- NOTES:
1. PROVIDE AUTOMATIC DOOR OPERATOR AS SHOWN ON PLAN. REFER TO ARCHITECTURAL PLANS FOR LOCATION OF PUSH BUTTONS. PROVIDE ROUGH IN AND CABLING FROM DOOR OPERATOR TO PUSH BUTTONS.

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9119-19-0162 / 30286113

DRAWN BY:  
**M. BOJIC**

CHECKED BY:  
**F. RASTI**

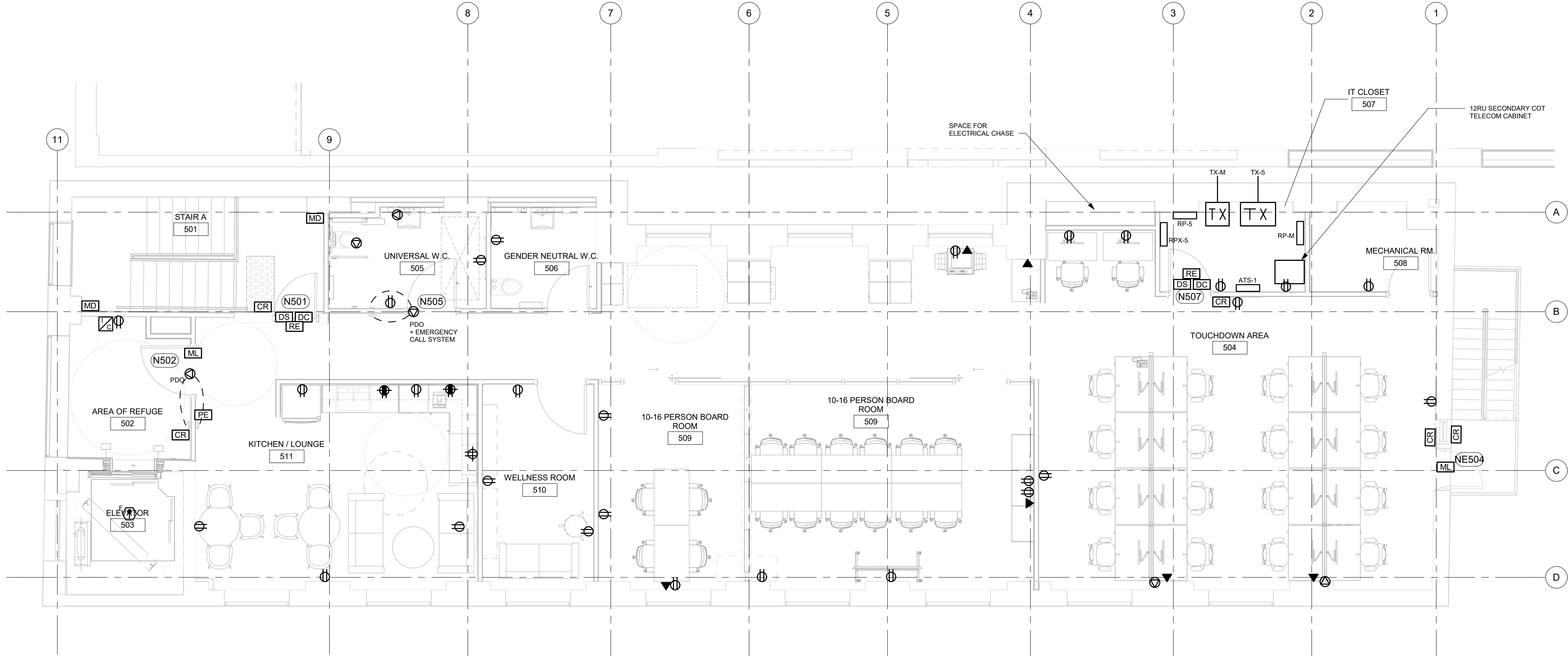
PROJECT MGR:  
**F. BOULORIAN**

APPROVED BY:  
**F. RASTI**

SHEET TITLE  
**POWER & SYSTEMS  
PLAN 3RD FLOOR**

SHEET NUMBER  
**E2103**

ISSUE  
**C**



1 FIFTH FLOOR PROPOSED PLAN  
E2105 / Scale: 1 : 50

- NOTES:
1. PROVIDE AUTOMATIC DOOR OPERATOR AS SHOWN ON PLAN. REFER TO ARCHITECTURAL PLANS FOR LOCATION OF PUSH BUTTONS. PROVIDE ROUGH IN AND CABLING FROM DOOR OPERATOR TO PUSH BUTTONS.

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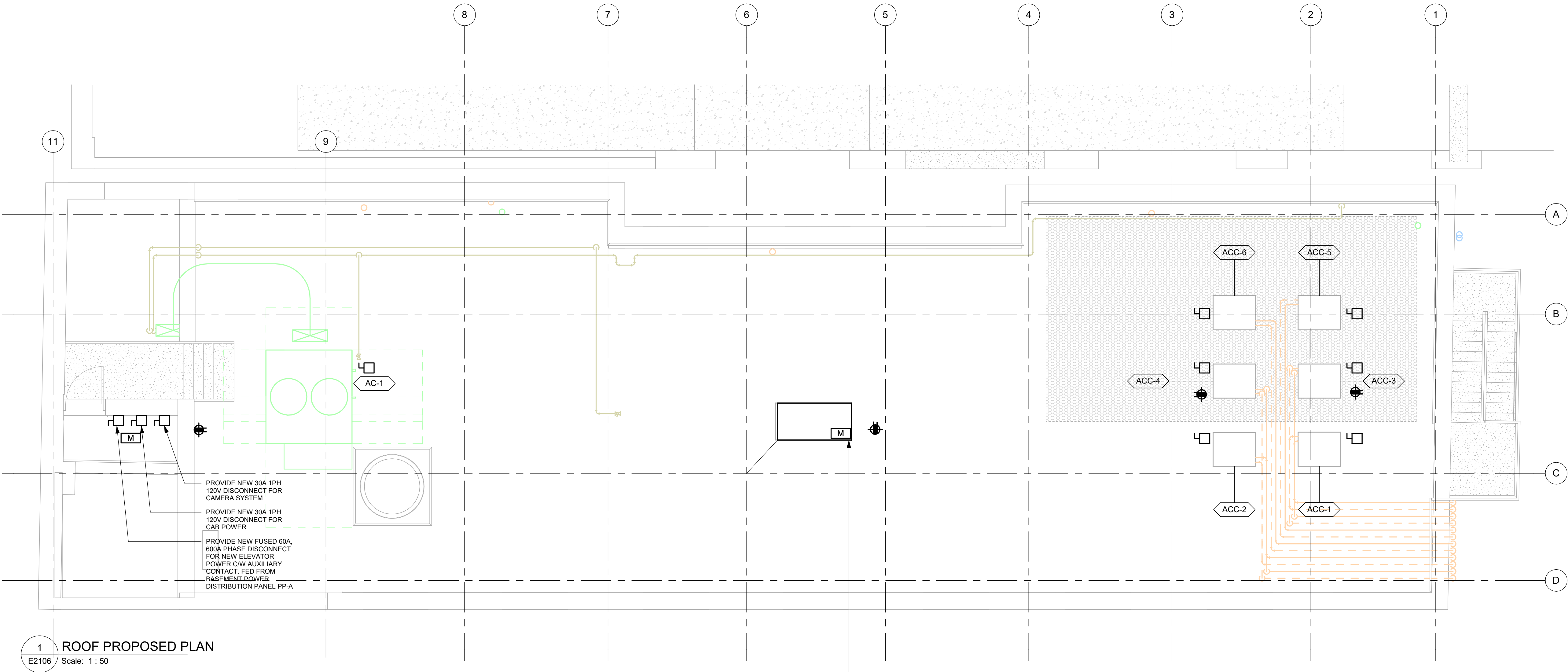
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RENOVATIONS  
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DRAWN BY:  
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PROJECT MGR:  
**F. BOULORIAN**  
CHECKED BY:  
**F. RASTI**  
APPROVED BY:  
**F. RASTI**

SHEET TITLE  
**POWER & SYSTEMS  
PLAN 5TH FLOOR**

SHEET NUMBER	ISSUE
<b>E2105</b>	<b>C</b>






1 ROOF PROPOSED PLAN  
E2106 Scale: 1 : 50

- NOTES:
1. RUN CONDUIT FOR ELEVATOR SERVICES WITHIN ELEVATOR SHAFT AND PENETRATE INTO ELEVATOR CONTROL ROOM.
  2. PROVIDE CONNECTIONS TO MECHANICAL EQUIPMENT AS SHOWN ON ROOF. REFER TO SINGLE LINE DIAGRAM AND PANEL SCHEDULES FOR POWER DETAILS.
  3. PROVIDE NEW GENERATOR AS SHOWN. REFER TO SINGLE LINE DIAGRAM FOR CONNECTION DETAILS.
  4. PROVIDE GFCI, WATER PROOF-IN-USE RECEPTACLES AS SHOWN FOR MECHANICAL EQUIPMENT.

NEW 208V 3 PHASE 4 WIRE 30KVA  
EMERGENCY GENERATOR  
NATURAL GAS FED  
C/W VIBRATION ISOLATION SUPPORT FOR  
ROOFTOP MOUNT  
  
REFER TO STRUCTURAL DRAWING FOR  
SUPPORT DETAIL

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PROJECT NO:

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DRAWN BY:

M.BOJIC

CHECKED BY:

F. RASTI

PROJECT MGR:

F. BOULORIAN

APPROVED BY:

F. RASTI

SHEET TITLE

POWER & SYSTEMS  
PLAN ROOF

SHEET NUMBER

E2106


ISSUE

C



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TORONTO, ONTARIO

PROJECT NO:  
9119-19-0162 / 30286113

DRAWN BY:  
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F. RASTI

PROJECT MGR:  
F. BOULORIAN

APPROVED BY:  
F. RASTI

SHEET TITLE

PANEL SCHEDULES

SHEET NUMBER

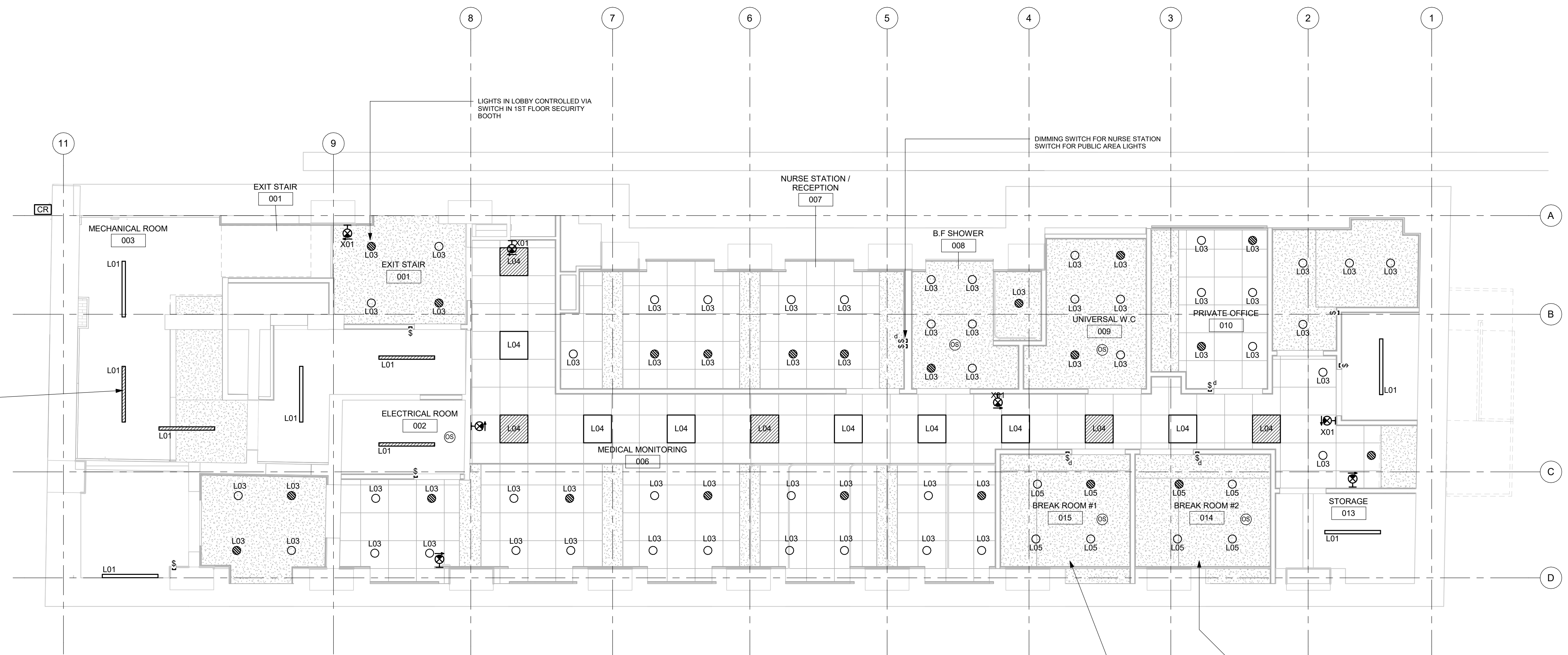
E2701

ISSUE

A

Autodesk Docs//122260 - Cot TAU Upgrades R2024/122260-TAU-53-50-Richmond-E-R24.rvt

1 mm




1 BASEMENT  
E3100 Scale: 1 : 50

- NOTES:
1. PROVIDE LIGHTS AS INDICATED ON PLAN. REFER TO LUMINAIRE SCHEDULE FOR DETAILS.
  2. REFER TO LIGHTING CONTROLS OPERATIONS IN SPECIFICATION.
  3. INTERLOCK BATHROOM EXHAUST CONTROLS WITH LIGHTING OCCUPANCY SENSOR. REFER TO MECHANICAL DRAWINGS FOR MORE DETAILS.
  4. DUE TO HIGHLY CONGESTED CEILING, ESPECIALLY IN THE CORRIDOR AREAS, CONTRACTOR TO COORDINATE WITH MECHANICAL TRADE REGARDING ANY POTENTIAL INTERFERENCES PRIOR TO ANY INSTALLATION OF CONDUIT/MECHANICAL PIPING. CORRIDOR LINEAR LIGHTS TO BE SURFACE MOUNT.
  5. LIGHTS WITH HATCHING ARE FED FROM EMERGENCY CIRCUITS FED BY GENERATOR.

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CHECKED BY:

F. RASTI

PROJECT MGR:

F. BOULORIAN

APPROVED BY:

F. RASTI

SHEET TITLE

ELECTRICAL LIGHTING  
PLAN BASEMENT

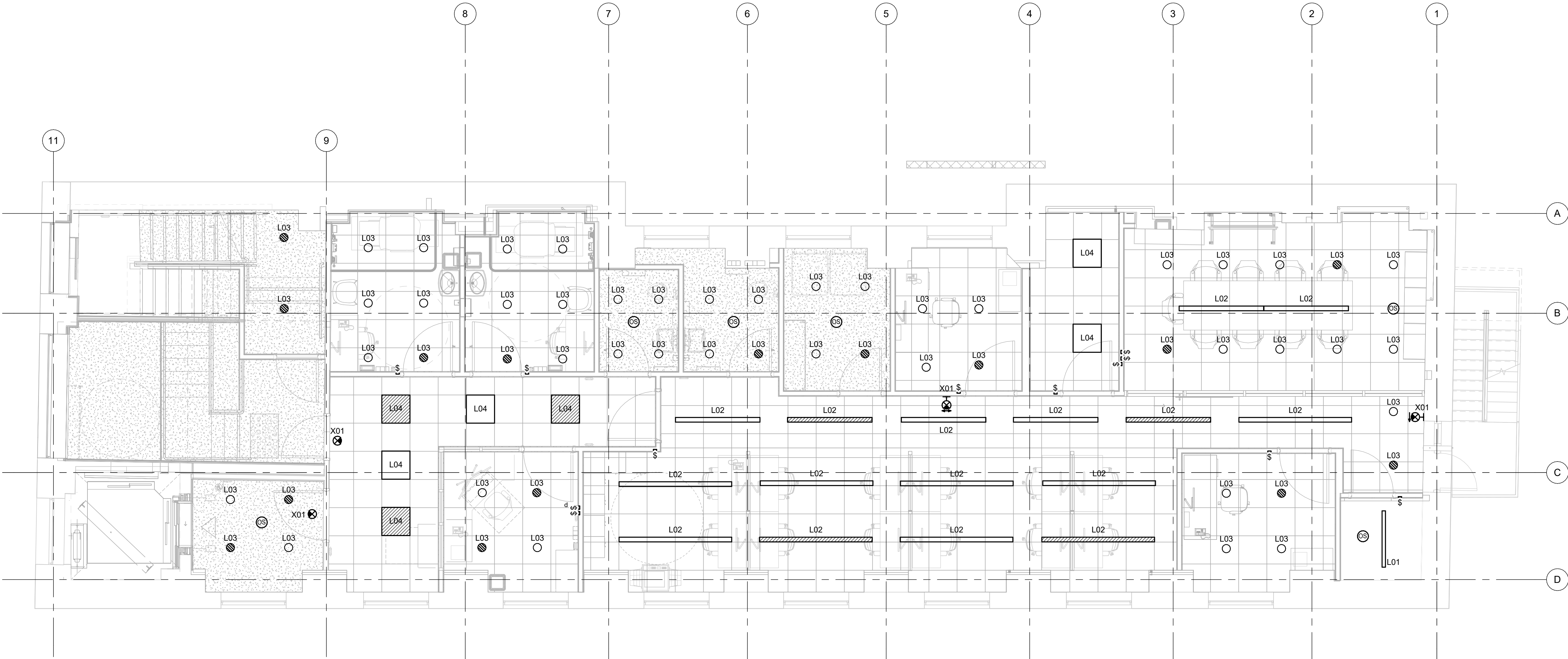
SHEET NUMBER

E3100

ISSUE

B





3 FIRST FLOOR  
E3101 Scale: 1' : 50'

- NOTES:
1. PROVIDE LIGHTS AS INDICATED ON PLAN. REFER TO LUMINAIRE SCHEDULE FOR DETAILS.
  2. REFER TO LIGHTING CONTROLS OPERATIONS IN SPECIFICATION.
  3. INTERLOCK BATHROOM EXHAUST CONTROLS WITH LIGHTING OCCUPANCY SENSOR. REFER TO MECHANICAL DRAWINGS FOR MORE DETAILS.
  4. DUE TO HIGHLY CONGESTED CEILING, ESPECIALLY IN THE CORRIDOR AREAS, CONTRACTOR TO COORDINATE WITH MECHANICAL TRADE REGARDING ANY POTENTIAL INTERFERENCES PRIOR TO ANY INSTALLATION OF CONDUIT/MECHANICAL PIPING. CORRIDOR LINEAR LIGHTS TO BE SURFACE MOUNT.
  5. LIGHTS WITH HATCHING ARE FED FROM EMERGENCY CIRCUITS FED BY GENERATOR.

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9119-19-0162 / 30286113

DRAWN BY:  
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CHECKED BY:  
**F. RASTI**

PROJECT MGR:  
**F. BOULORIAN**

APPROVED BY:  
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SHEET TITLE  
**ELECTRICAL LIGHTING  
PLAN 1ST FLOOR**

SHEET NUMBER  
**E3101**

ISSUE  
**B**





1 SECOND FLOOR  
E3102 Scale: 1 : 50

- NOTES:
1. PROVIDE LIGHTS AS INDICATED ON PLAN. REFER TO LUMINAIRE SCHEDULE FOR DETAILS.
  2. REFER TO LIGHTING CONTROLS OPERATIONS IN SPECIFICATION.
  3. INTERLOCK BATHROOM EXHAUST CONTROLS WITH LIGHTING OCCUPANCY SENSOR. REFER TO MECHANICAL DRAWINGS FOR MORE DETAILS.
  4. DUE TO HIGHLY CONGESTED CEILING, ESPECIALLY IN THE CORRIDOR AREAS, CONTRACTOR TO COORDINATE WITH MECHANICAL TRADE REGARDING ANY POTENTIAL INTERFERENCES PRIOR TO ANY INSTALLATION OF CONDUIT/MECHANICAL PIPING. CORRIDOR LINEAR LIGHTS TO BE SURFACE MOUNT.
  5. LIGHTS WITH HATCHING ARE FED FROM EMERGENCY CIRCUITS FED BY GENERATOR.

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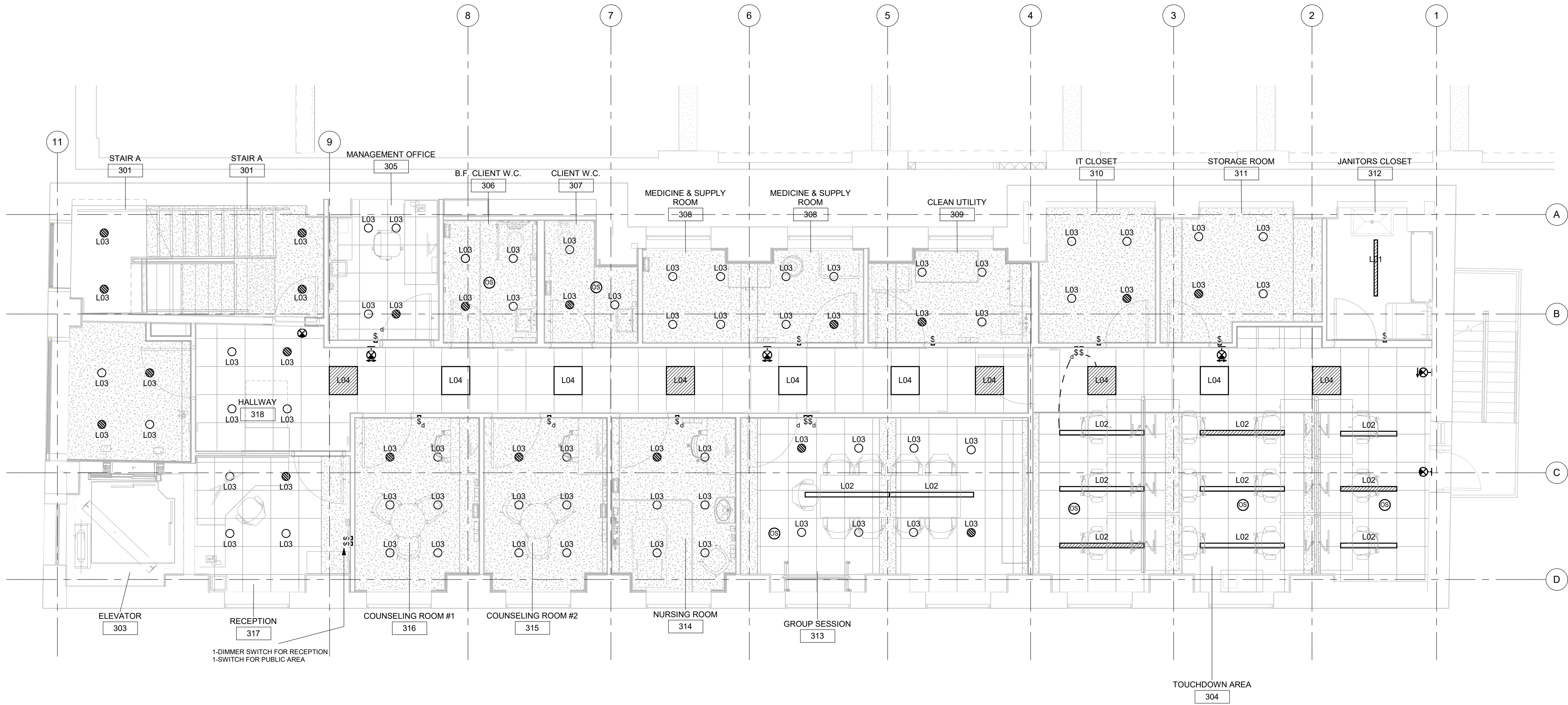
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PROJECT MGR: <b>F. BOULORIAN</b>	APPROVED BY: <b>F. RASTI</b>

SHEET TITLE  
**ELECTRICAL LIGHTING  
PLAN 2ND FLOOR**

SHEET NUMBER <b>E3102</b>	ISSUE <b>B</b>
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1 THIRD FLOOR CEILING PLAN  
E3103 Scale: 1 : 50

NOTES:

1. PROVIDE LIGHTS AS INDICATED ON PLAN. REFER TO LUMINAIRE SCHEDULE FOR DETAILS.
2. REFER TO LIGHTING CONTROLS OPERATIONS IN SPECIFICATION.
3. INTERLOCK BATHROOM EXHAUST CONTROLS WITH LIGHTING OCCUPANCY SENSOR. REFER TO MECHANICAL DRAWINGS FOR MORE DETAILS.
4. DUE TO HIGHLY CONGESTED CEILING, ESPECIALLY IN THE CORRIDOR AREAS, CONTRACTOR TO COORDINATE WITH MECHANICAL TRADE REGARDING ANY POTENTIAL INTERFERENCES PRIOR TO ANY INSTALLATION OF CONDUIT/MECHANICAL PIPING. CORRIDOR LINEAR LIGHTS TO BE SURFACE MOUNT.
5. LIGHTS WITH HATCHING ARE FED FROM EMERGENCY CIRCUITS FED BY GENERATOR.
6. ALL EMERGENCY LIGHTS ARE ALSO CONSIDERED NIGHT LIGHTS.

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**F. BOULORIAN**

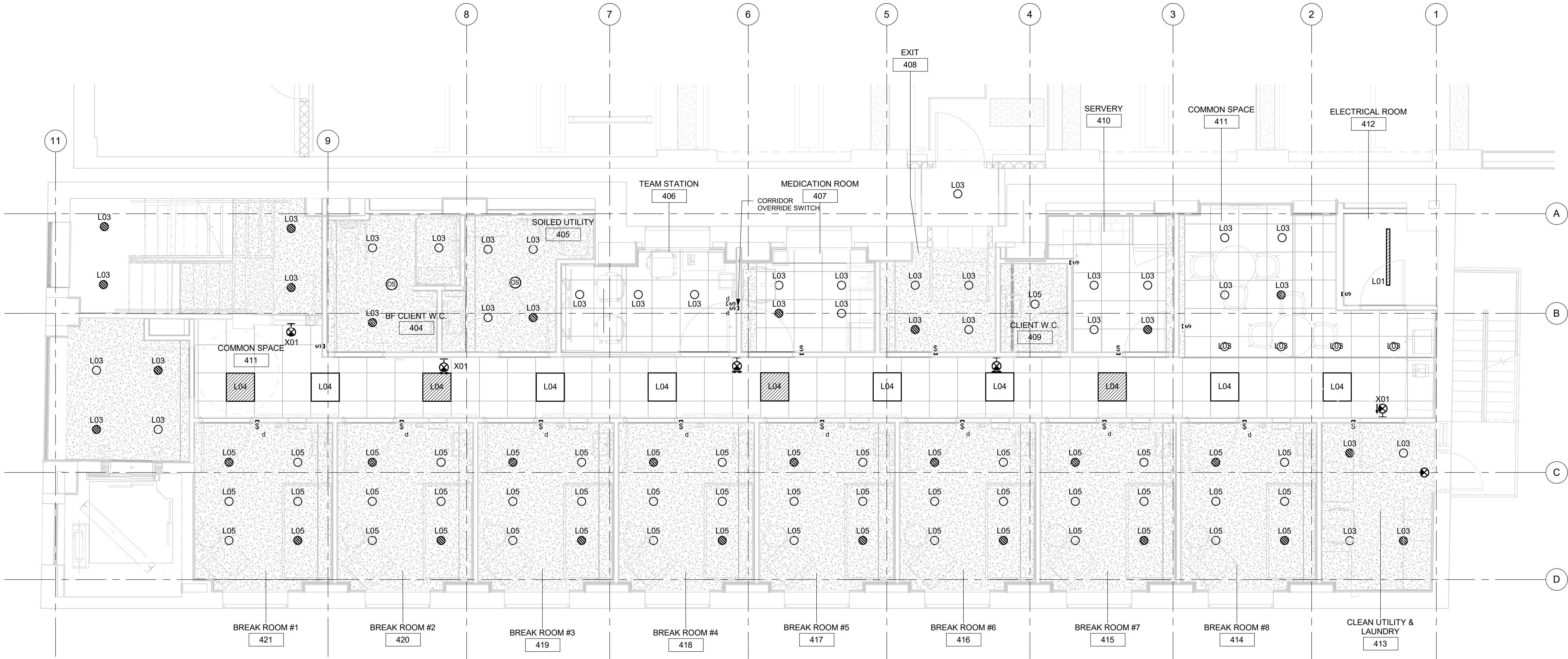
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SHEET TITLE  
**ELECTRICAL LIGHTING  
PLAN 3RD FLOOR**

SHEET NUMBER  
**E3103**

ISSUE  
**B**





1 FOURTH FLOOR  
E3104 Scale: 1 : 50

- NOTES:
1. PROVIDE LIGHTS AS INDICATED ON PLAN. REFER TO LUMINAIRE SCHEDULE FOR DETAILS.
  2. REFER TO LIGHTING CONTROLS OPERATIONS IN SPECIFICATION.
  3. INTERLOCK BATHROOM EXHAUST CONTROLS WITH LIGHTING OCCUPANCY SENSOR. REFER TO MECHANICAL DRAWINGS FOR MORE DETAILS.
  4. DUE TO HIGHLY CONGESTED CEILING, ESPECIALLY IN THE CORRIDOR AREAS, CONTRACTOR TO COORDINATE WITH MECHANICAL TRADE REGARDING ANY POTENTIAL INTERFERENCES PRIOR TO ANY INSTALLATION OF CONDUIT/MECHANICAL PIPING.
  5. LIGHTS WITH HATCHING ARE FED FROM EMERGENCY CIRCUITS FED BY GENERATOR.
  6. ALL LIGHTS IN CLIENT WASHROOMS AND BREAK ROOMS TO HAVE ANTI LIGATURE FIXTURES, SENSORS AND ANCILLARY EQUIPMENT.

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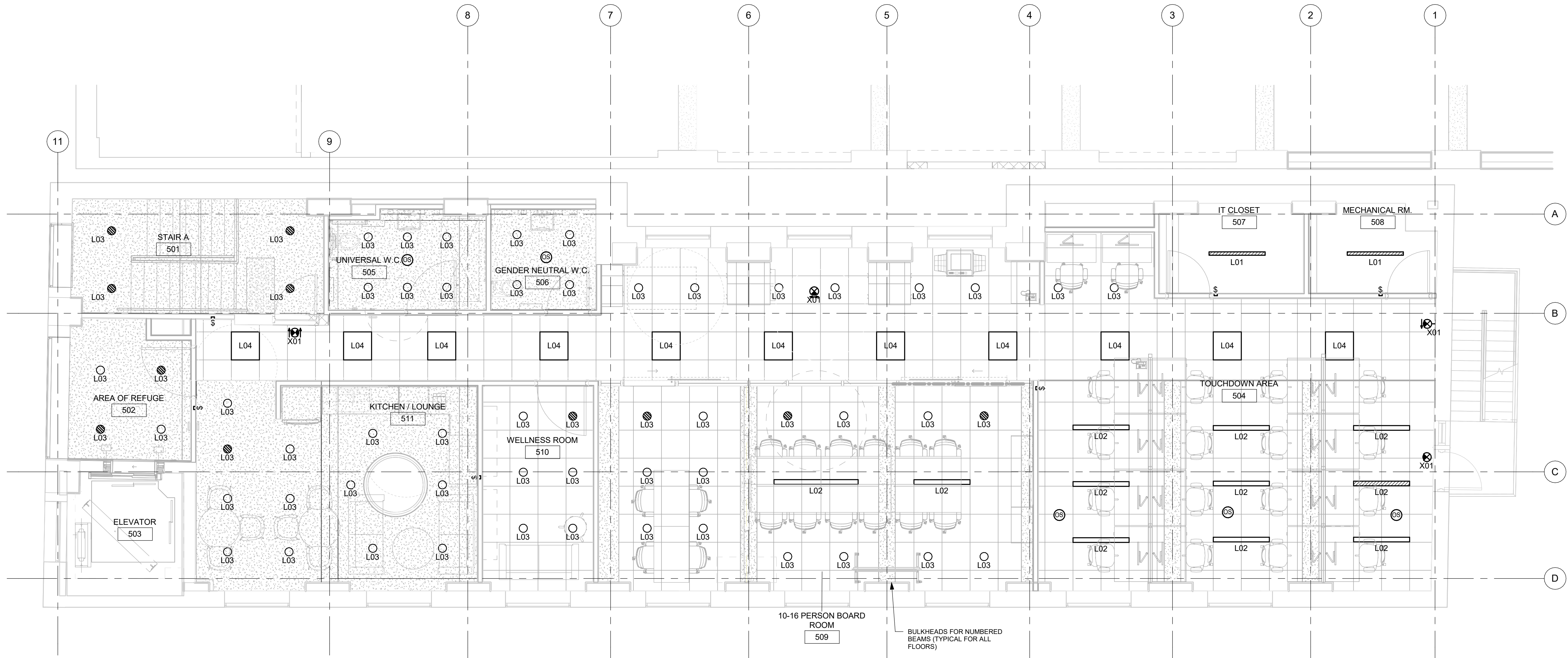
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SHEET TITLE  
**ELECTRICAL LIGHTING  
PLAN 4TH FLOOR**

SHEET NUMBER  
**E3104**

ISSUE  
**B**





1 FIFTH FLOOR  
E3105 Scale: 1 : 50

NOTES:

1. PROVIDE LIGHTS AS INDICATED ON PLAN. REFER TO LUMINAIRE SCHEDULE FOR DETAILS.
2. REFER TO LIGHTING CONTROLS OPERATIONS IN SPECIFICATION.
3. INTERLOCK BATHROOM EXHAUST CONTROLS WITH LIGHTING OCCUPANCY SENSOR. REFER TO MECHANICAL DRAWINGS FOR MORE DETAILS.
4. DUE TO HIGHLY CONGESTED CEILING, ESPECIALLY IN THE CORRIDOR AREAS, CONTRACTOR TO COORDINATE WITH MECHANICAL TRADE REGARDING ANY POTENTIAL INTERFERENCES PRIOR TO ANY INSTALLATION OF CONDUIT/MECHANICAL PIPING. CORRIDOR LINEAR LIGHTS TO BE SURFACE MOUNT.
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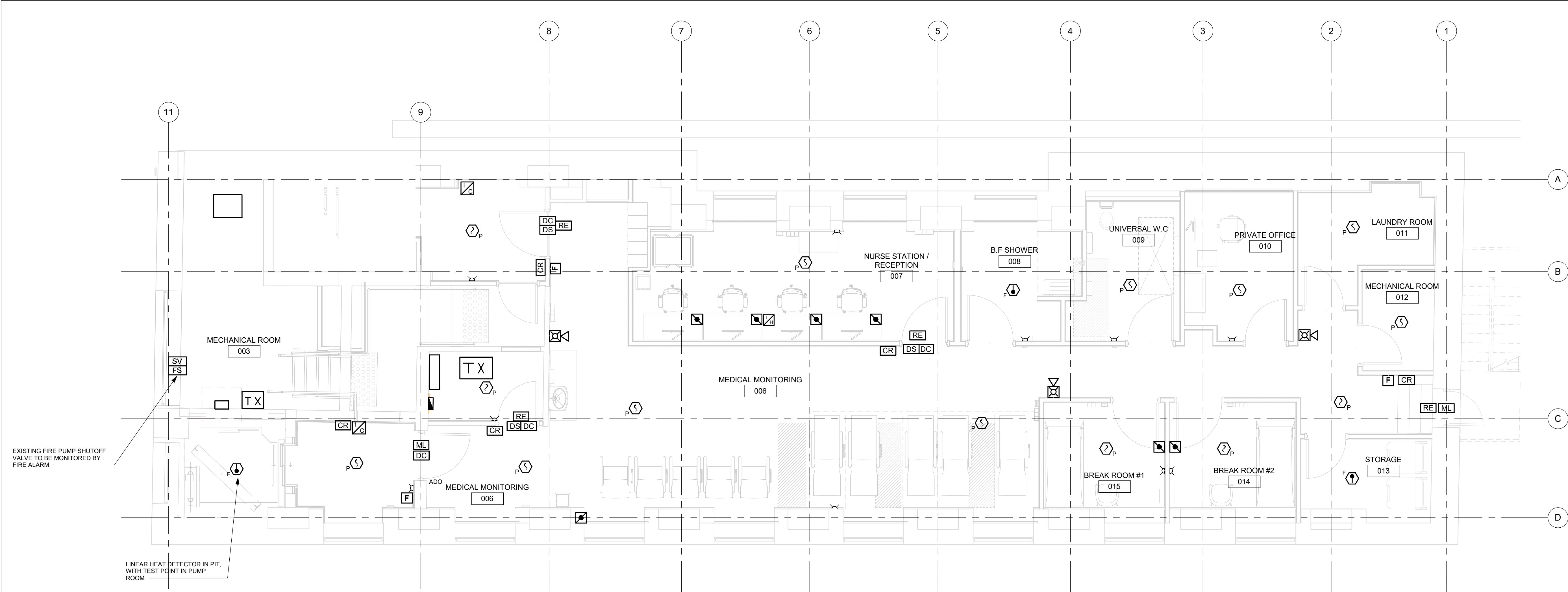
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SHEET TITLE  
**ELECTRICAL LIGHTING  
PLAN 5TH FLOOR**

SHEET NUMBER  
**E3105**

ISSUE  
**B**





1 FIRE ALARM PLAN - BASEMENT  
E4100 Scale: 1 : 50

- NOTES:
1. PROVIDE 12 ZONE ADDRESSABLE FIRE ALARM SYSTEM. THE EXISTING FIRE ALARM IS TO BE REMOVED WITH ALL DEVICES AND WIRING. PROVIDE STROBE SYNCH CIRCUIT AND POWER SUPPLY WITH 25% SPARE CAPACITY BEYOND CONNECTED DEVICES SHOWN ON PLANS/SCHEMATICS.
  2. FIRE ALARM SYSTEM IS TO BE INTEGRATED INTO THE FIRE ALARM SYSTEM IN THE PARKING GARAGE TO THE WEST. REFER TO FIRE ALARM RISER FOR INTENDED CONNECTIONS.
  3. CONTRACTOR IS TO UNDERTAKE PERMIT APPLICATIONS FOR EACH MAGLOCK DEVICE AND INCLUDE COSTS PER THE CONTRACT.
  4. ACCESS CONTROL DEVICES ARE SHOWN FOR REFERENCE AND ARE NOT INTENDED TO BE COUNTED AGAIN.
  5. PROVIDE NEW STROBES AND HORNS AS INDICATED ON PLAN. STROBES 15CD UNLESS OTHERWISE NOTED.

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A	50% SUBMISSION	2024-10-31
B	75% SUBMISSION	2025-03-21
C	PERMIT	2025-08-11
D	TENDER	2025-09-02

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DRAWN BY:  
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CHECKED BY:  
**F. RASTI**

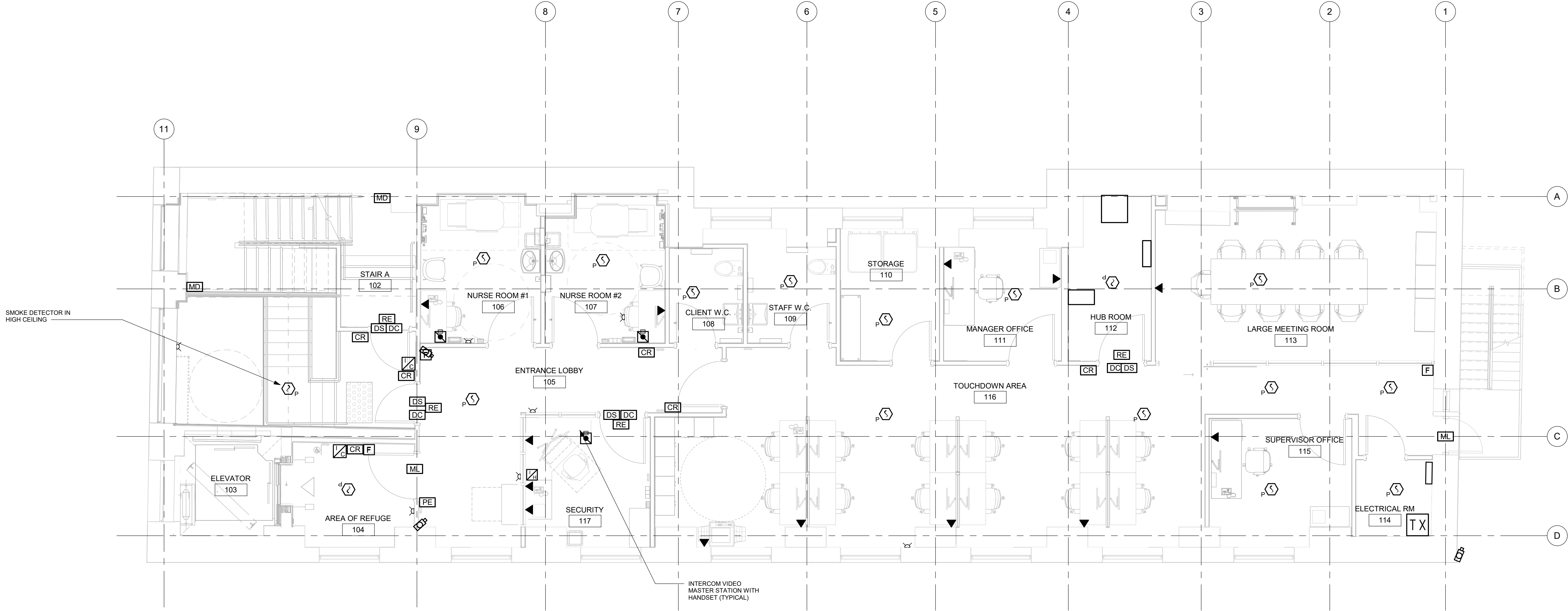
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APPROVED BY:  
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SHEET TITLE  
**FIRE ALARM PLAN  
BASEMENT**

SHEET NUMBER  
**E4100**

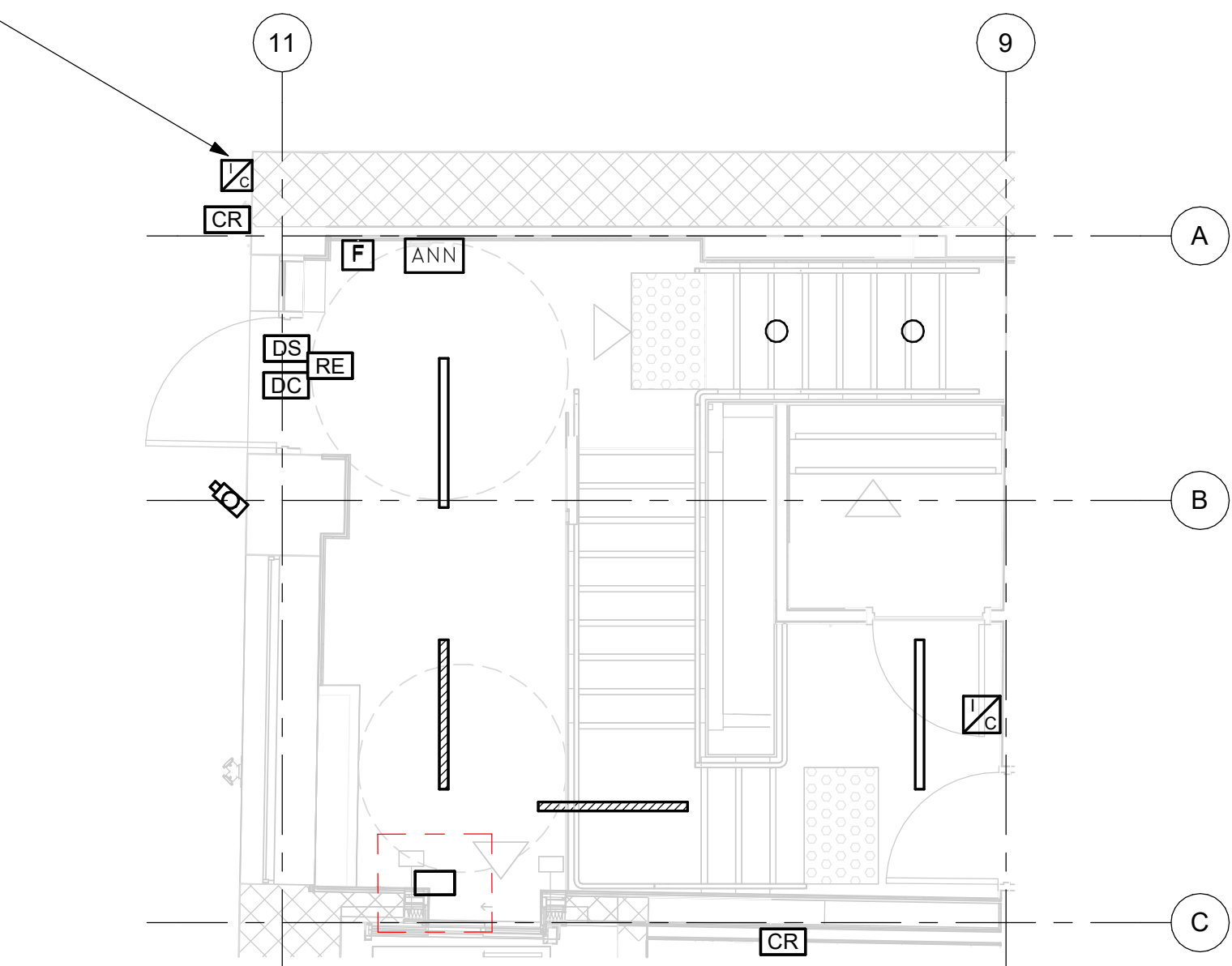
ISSUE  
**D**



1 FIRE ALARM FIRST FLOOR PROPOSED  
E4101 Scale: 1 : 50

- NOTES:
- CONTRACTOR IS TO UNDERTAKE PERMIT APPLICATIONS FOR EACH MAGLOCK DEVICE AND INCLUDE COSTS PER THE CONTRACT.
  - ACCESS CONTROL DEVICES ARE SHOWN FOR REFERENCE AND ARE NOT INTENDED TO BE COUNTED AGAIN.
  - PROVIDE NEW STROBES AND HORNS AS INDICATED ON PLAN. STROBES 15CD UNLESS OTHERWISE NOTED.

INTERCOM TERMINAL  
INTERFACE TO CALL  
EACH FLOOR  
MASTER STATION



2 FIRE ALARM GRADE LEVEL LOBBY  
E4101 Scale: 1 : 50

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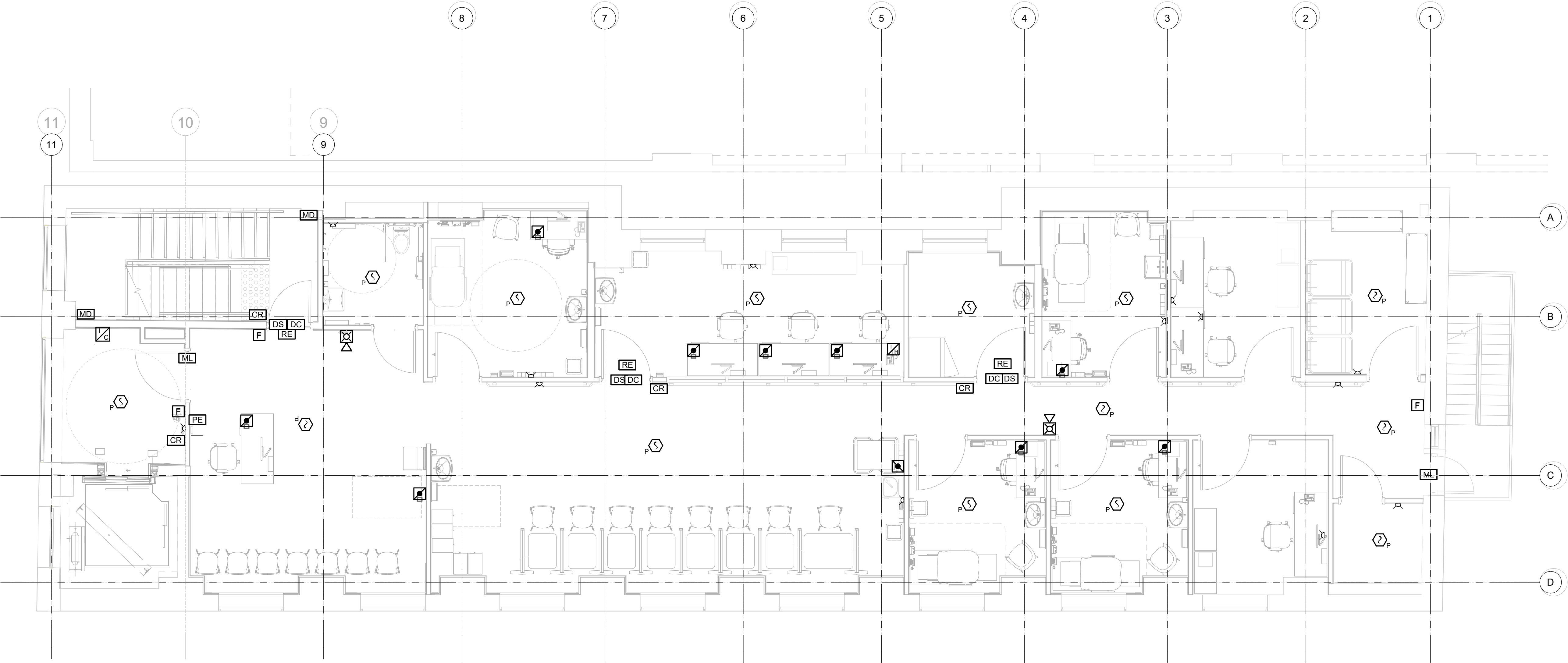
PROJECT TITLE  
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ACCESSIBILITY UPGRADES**

PROJECT ADDRESS  
**50 RICHMOND ST. E.  
RENOVATIONS  
50 RICHMOND STREET EAST  
TORONTO, ONTARIO**

PROJECT NO:  
9119-19-0162 / 30286113  
DRAWN BY:  
**M. BOJIC**  
CHECKED BY:  
**F. RASTI**  
PROJECT MGR:  
**F. BOULORIAN**  
APPROVED BY:  
**F. RASTI**

SHEET TITLE  
**FIRE ALARM PLAN  
LOBBY & 1ST FLOOR**

SHEET NUMBER <b>E4101</b>	ISSUE <b>C</b>
------------------------------	-------------------



1 FIRE ALARM PROPOSED  
E4102 Scale: 1 : 50

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DRAWN BY: <b>M. BOJIC</b>	CHECKED BY: <b>F. RASTI</b>
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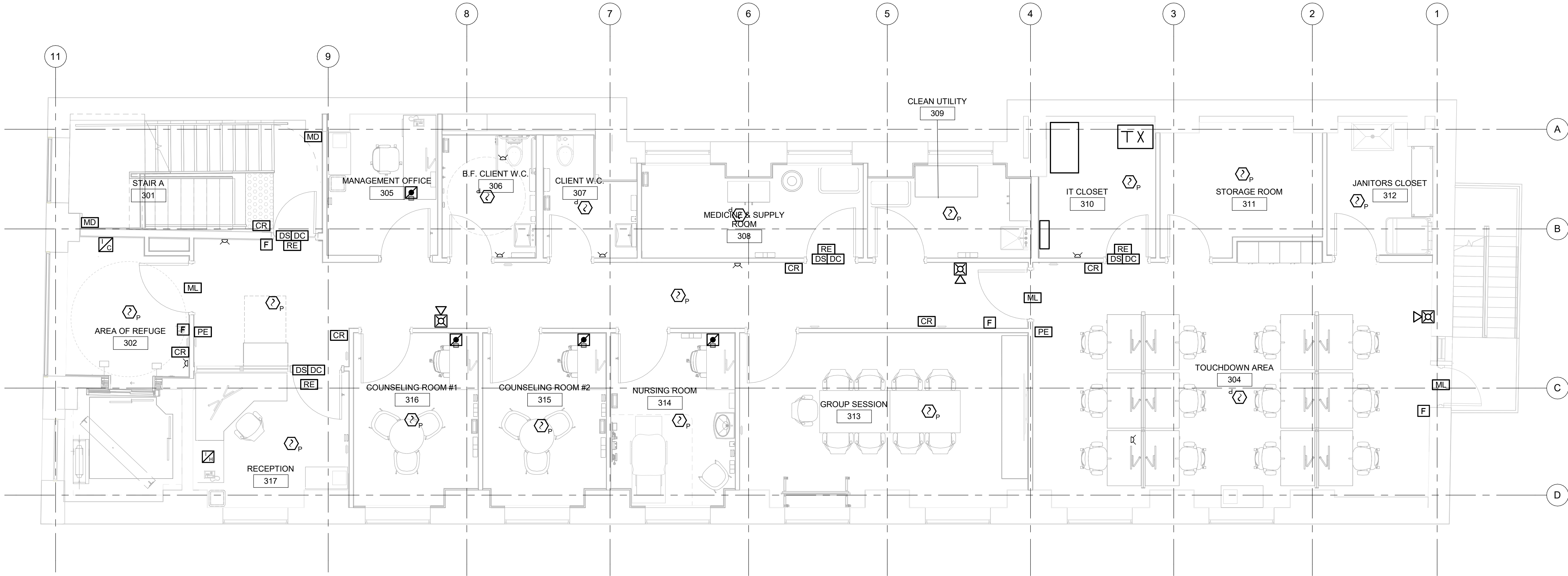
PROJECT MGR: <b>F. BOULORIAN</b>	APPROVED BY: <b>F. RASTI</b>
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SHEET TITLE  
**FIRE ALARM PLAN 2ND  
FLOOR**

SHEET NUMBER  
**E4102**

ISSUE  
**C**





1 THIRD FLOOR PROPOSED FIRE ALARM  
E4103 Scale: 1 : 50

- NOTES:
- CONTRACTOR IS TO UNDERTAKE PERMIT APPLICATIONS FOR EACH MAGLOCK DEVICE AND INCLUDE COSTS PER THE CONTRACT.
  - ACCESS CONTROL DEVICES ARE SHOWN FOR REFERENCE AND ARE NOT INTENDED TO BE COUNTED AGAIN.
  - PROVIDE NEW STROBES AND HORNS AS INDICATED ON PLAN. STROBES 15CD UNLESS OTHERWISE NOTED.

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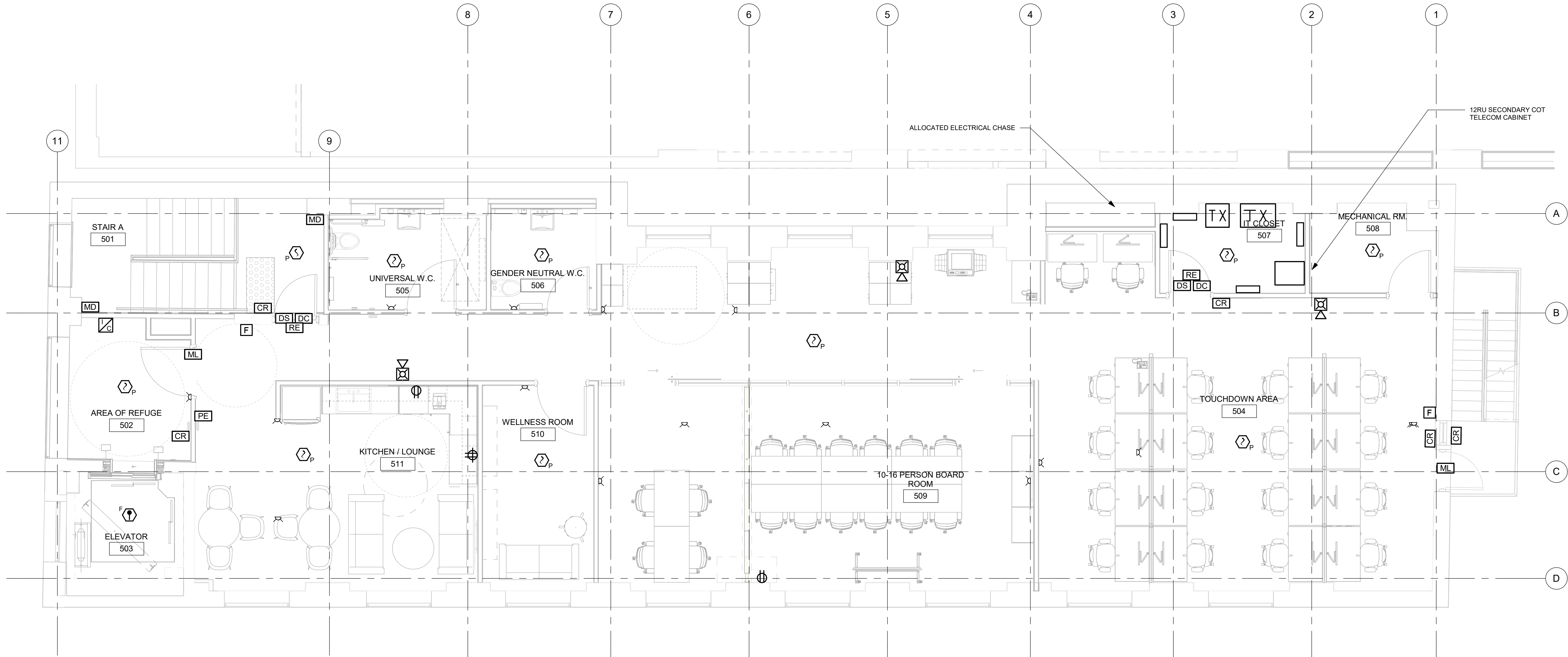
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DRAWN BY: <b>M. BOJIC</b>	CHECKED BY: <b>F. RASTI</b>
PROJECT MGR: <b>F. BOULORIAN</b>	APPROVED BY: <b>F. RASTI</b>

SHEET TITLE  
**FIRE ALARM PLAN 3RD  
FLOOR**

SHEET NUMBER <b>E4103</b>	ISSUE <b>C</b>
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1 FIRE ALARM FIFTH FLOOR PROPOSED PLAN  
E4105 Scale: 1 : 50

- NOTES:
- CONTRACTOR IS TO UNDERTAKE PERMIT APPLICATIONS FOR EACH MAGLOCK DEVICE AND INCLUDE COSTS PER THE CONTRACT.
  - ACCESS CONTROL DEVICES ARE SHOWN FOR REFERENCE AND ARE NOT INTENDED TO BE COUNTED AGAIN.
  - PROVIDE NEW STROBES AND HORNS AS INDICATED ON PLAN. STROBES 15CD UNLESS OTHERWISE NOTED.
  - ALL PULL STATIONS ASSOCIATED WITH MAGLOCK DOORS ARE TO HAVE EXTRA CONTACT FOR WIRING DIRECTLY TO MAGLOCK TO RELEASE WITH LOCAL PULL STATION.

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DRAWN BY:  
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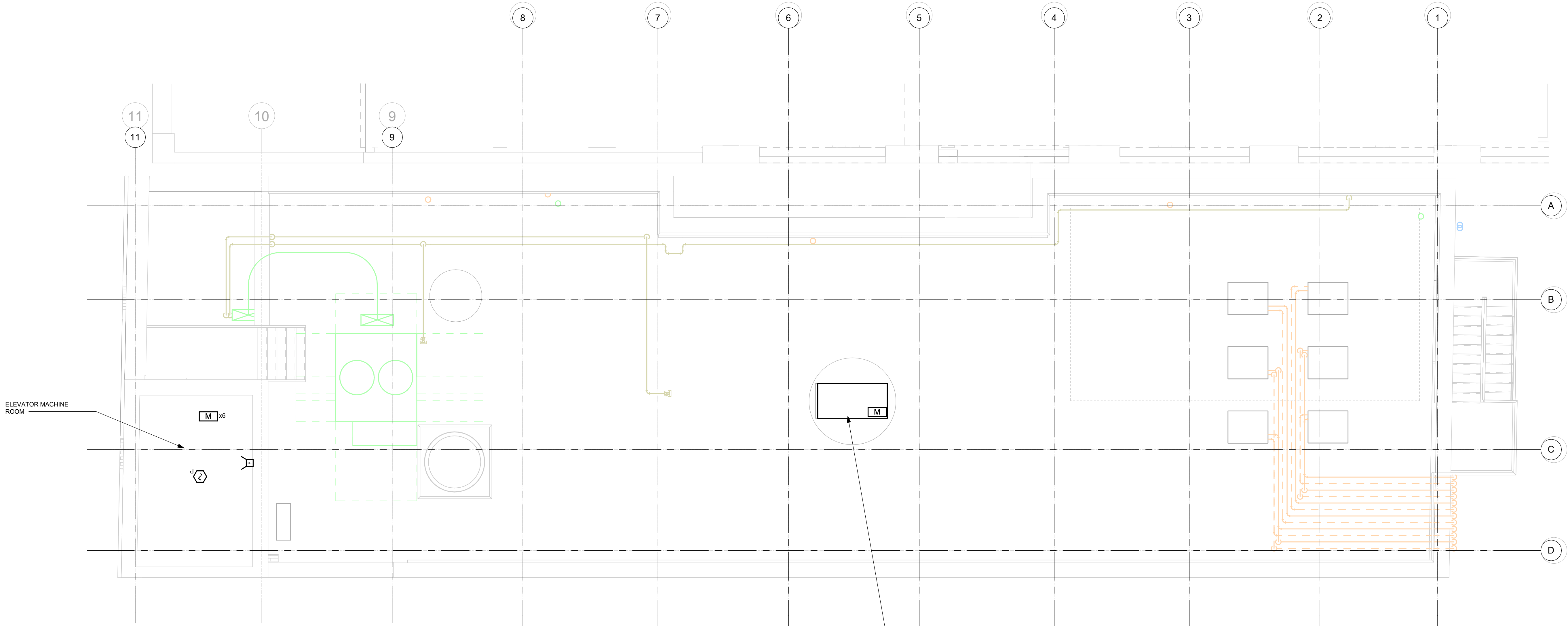
PROJECT MGR:  
**F. BOULORIAN**

APPROVED BY:  
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SHEET TITLE  
**FIRE ALARM PLAN 5TH  
FLOOR**

SHEET NUMBER  
**E4105**

ISSUE  
**C**



- NOTES:
1. PROVIDE NEW STROBES AND HORNS AS INDICATED ON PLAN. STROBES 15CD UNLESS OTHERWISE NOTED.

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SHEET TITLE  
**FIRE ALARM PLAN ROOF**

SHEET NUMBER <b>E4106</b>	ISSUE <b>C</b>
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