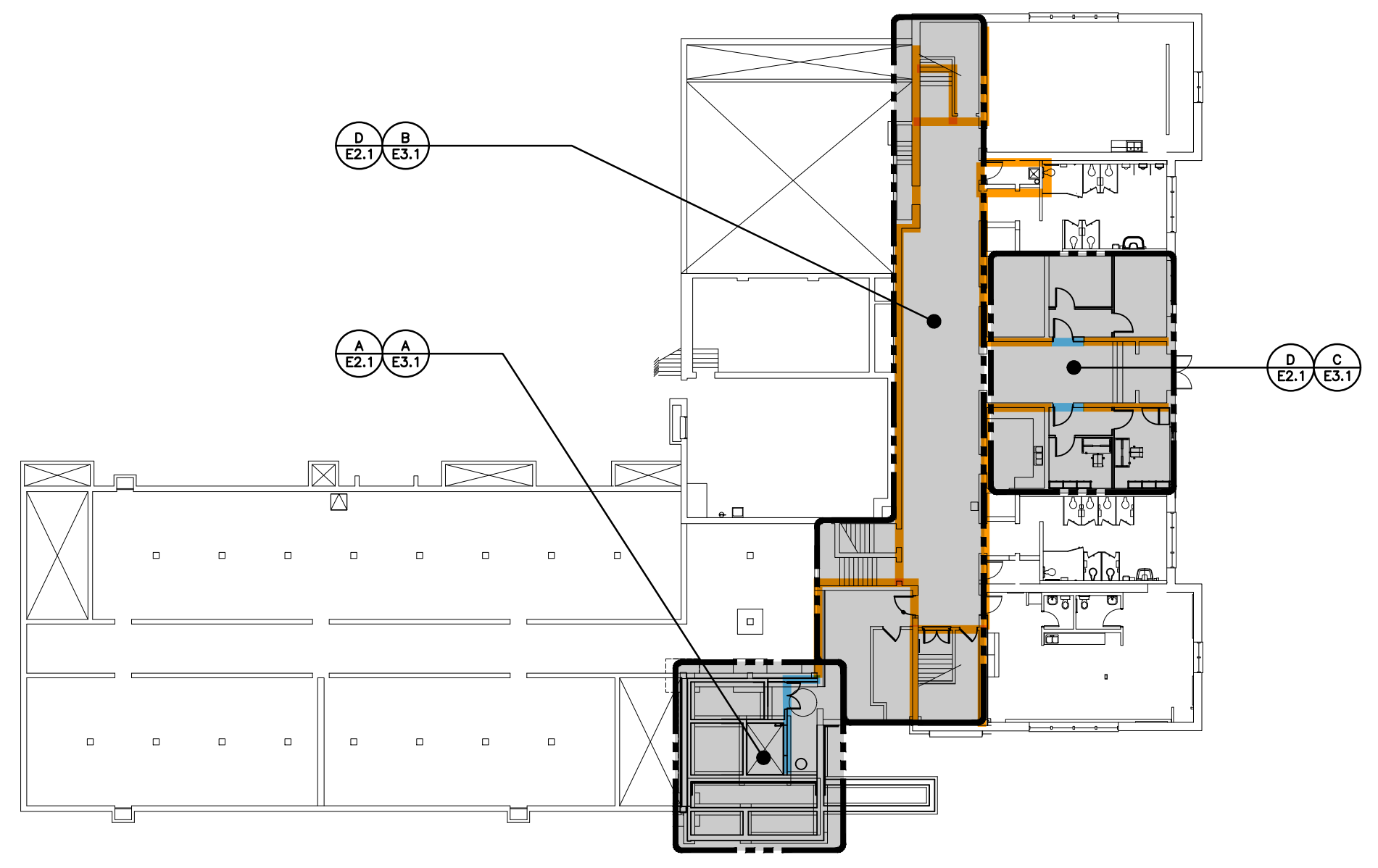
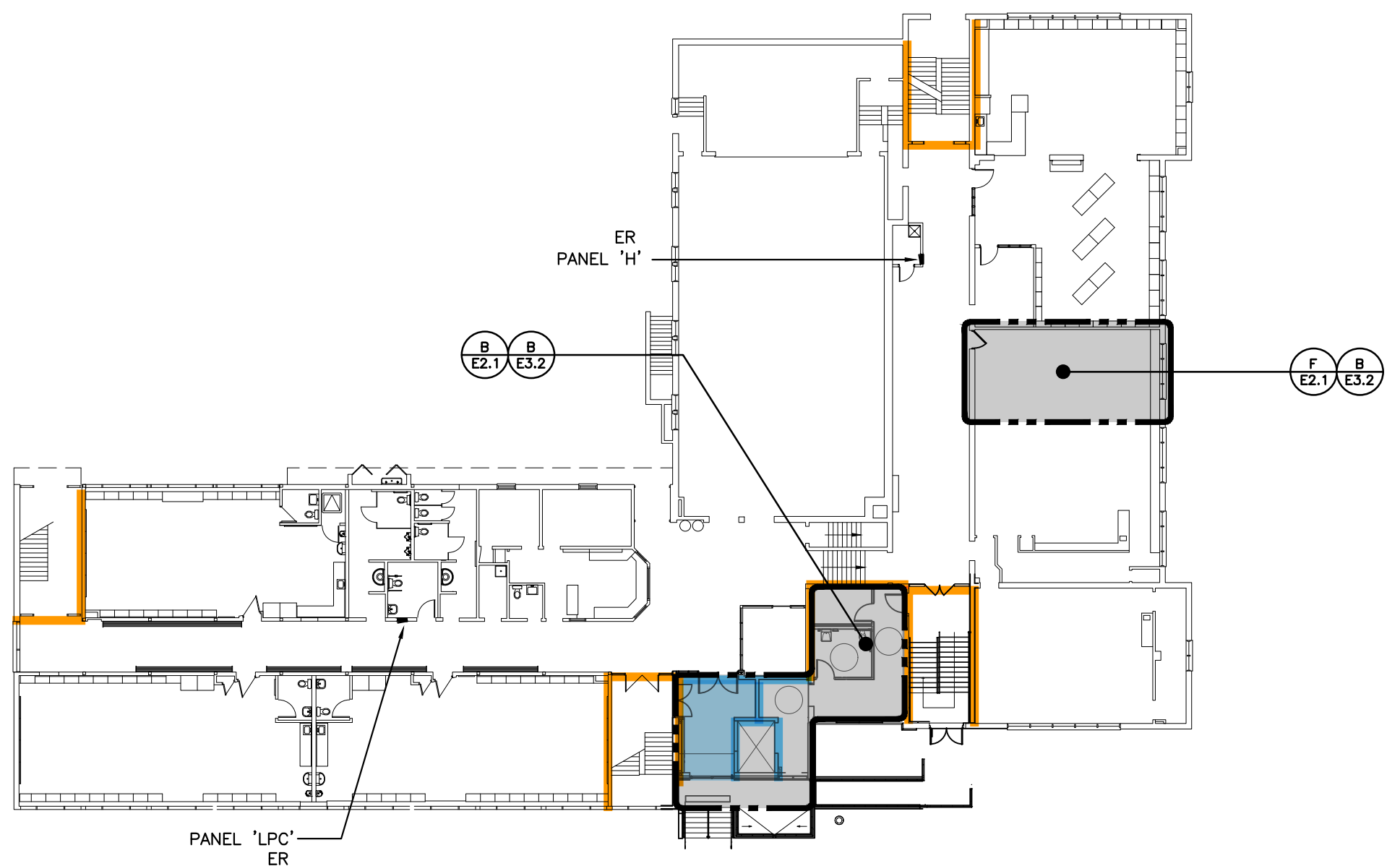


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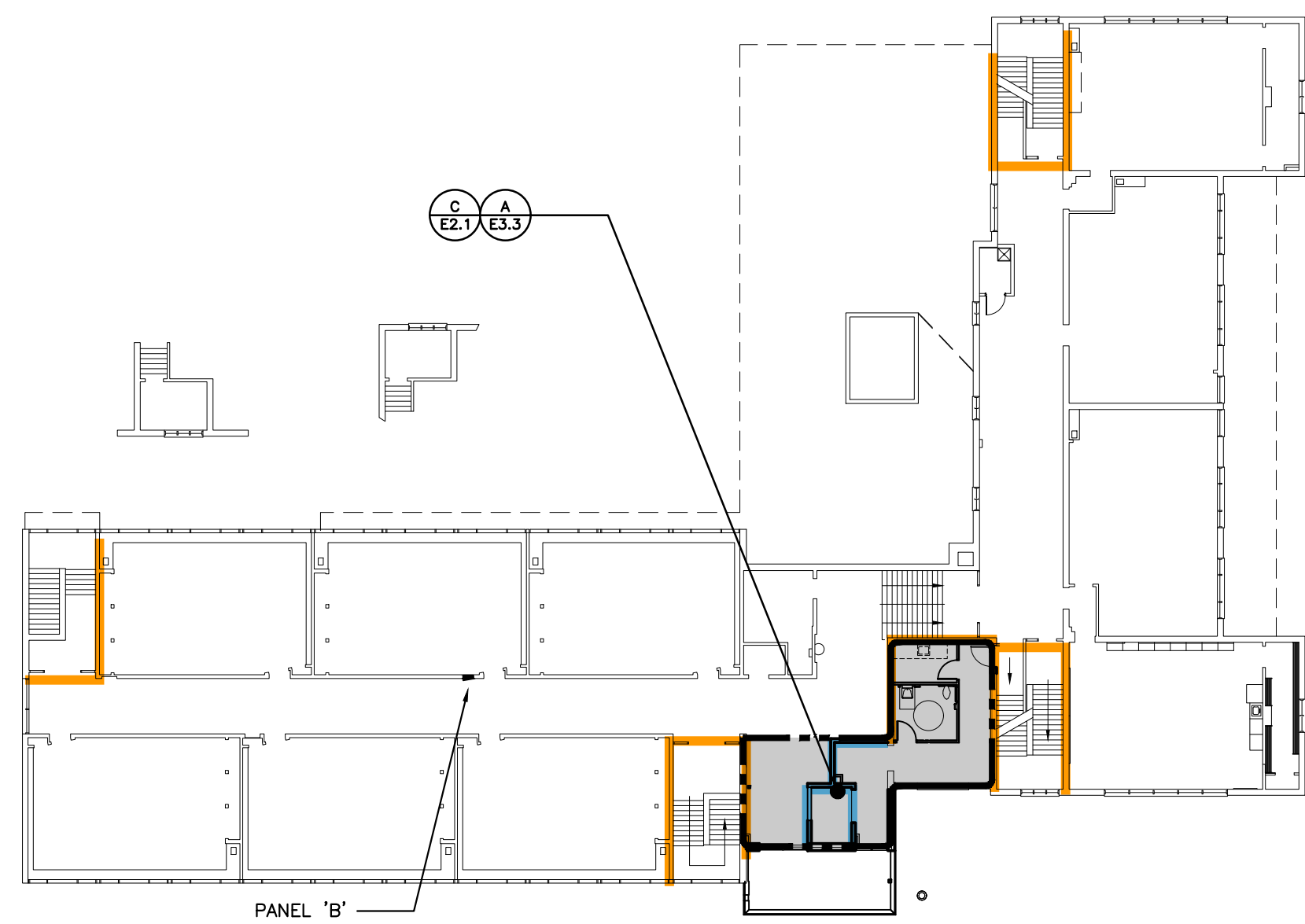
| ELECTRICAL SYMBOLS | | NOTE: ALL SYMBOLS MAY NOT BE SHOWN | |
|----------------------------|--|------------------------------------|---|
| LIGHTING | | POWER | |
| [Symbol] | LIGHT FIXTURE TYPE AS INDICATED | [Symbol] | WALL MOUNTED RECEPTACLE (15A-120V) |
| [Symbol] | WALL MOUNTED EXIT LIGHT SHADING INDICATES FACE | [Symbol] | WALL MOUNTED T-SLOT RECEPTACLE (20A-120V) |
| [Symbol] | SINGLE OR TWIN EMERGENCY LIGHTING FIXTURE | [Symbol] | T-SLOT RECEPTACLE MTD. ABOVE COUNTER (20A-120V) |
| [Symbol] | BATTERY UNIT WITH INTEGRAL EMERGENCY FIXTURE (EM-X INDICATES BATTERY UNIT TYPE) | [Symbol] | RECEPTACLE MTD. ABOVE COUNTER S=SPLIT (15A-120V) |
| [Symbol] | SINGLE POLE SWITCH (3=3 WAY, 4=4 WAY, P=PILOT LIGHT, K=KEYED, DM=DIMMER, M=MOTOR RATED, F=FAN SWITCH) | [Symbol] | DIRECT CONNECTION |
| [Symbol] | CEILING MOUNTED MOTION SENSOR | [Symbol] | PANEL AS INDICATED |
| [Symbol] | DIGITAL ROOM CONTROLLER | [Symbol] | FUSED DISCONNECT |
| [Symbol] | ANALOG POWER PACK | [Symbol] | PUSH-BUTTON STATION (QUANTITY OF BUTTONS AS PER PLANS) |
| [Symbol] | DIGITAL WALL DIMMER STATION | [Symbol] | TRANSFORMER |
| COMMUNICATIONS | | SECURITY | |
| [Symbol] | COMBINATION SINGLE VOICE/ SINGLE COMPUTER OUTLET UNLESS OTHERWISE NOTED C/W 1" (27mm) C TO CABLE MANAGEMENT SYSTEM | [Symbol] | SECURITY DETECTOR (SURFACE MOUNTED) |
| [Symbol] | WIRELESS ACCESS POINT. PROVIDE 3/4" (21mm) C TO CABLE MANAGEMENT SYSTEM | [Symbol] | CEILING MOUNTED CAMERA |
| [Symbol] | HANDSET (ND = NON-DIAL STYLE) | ACCESS CONTROL | |
| GENERAL | | [Symbol] | DOOR CONTACT C/W 19mmC TO NEAREST SECURITY JUNCTION BOX (REFER TO DETAIL) |
| ER | INDICATED EXISTING ITEM TO REMAIN | [Symbol] | ELECTRIC STRIKE. CONFIRM ROUGHIN WITH DOOR HARDWARE. |
| D | INDICATES EXISTING ITEM TO BE DELETED | [Symbol] | CARD/FOB READER ROUGH-IN AS A SINGLE GANG BOX AT 1100mm AFF C/W 13mmC TO ELECTRIC STRIKE IN ADJACENT DOOR FRAME. CONFIRM ROUGH-IN WITH DOOR HARDWARE. |
| R | INDICATES EXISTING ITEM TO BE RELOCATED/IN RELOCATED POSITION | [Symbol] | INTERCOM ENTRY DEVICE |
| GF | GROUND FAULT | [Symbol] | KEYPAD |
| WP | WEATHERPROOF | FIRE ALARM | |
| CLG | CEILING MOUNTED | [Symbol] | HEAT DETECTOR (135 DEGREE RATE OF RISE AND FIXED TEMPERATURE) |
| [Symbol] | NOTE INDICATOR | [Symbol] | SMOKE DETECTOR (RL=RELAY BASE) |
| [Symbol] | MECHANICAL ITEM NO. | [Symbol] | PULLSTATION |
| STANDARD CIRCUIT LABELING | | [Symbol] | ALARM BELL |
| POWER PANEL LABEL | | [Symbol] | ALARM STROBE |
| CIRCUIT INDICATION | | [Symbol] | DOOR HOLD OPEN DEVICE |
| SWITCH LEG (IF APPLICABLE) | | | |



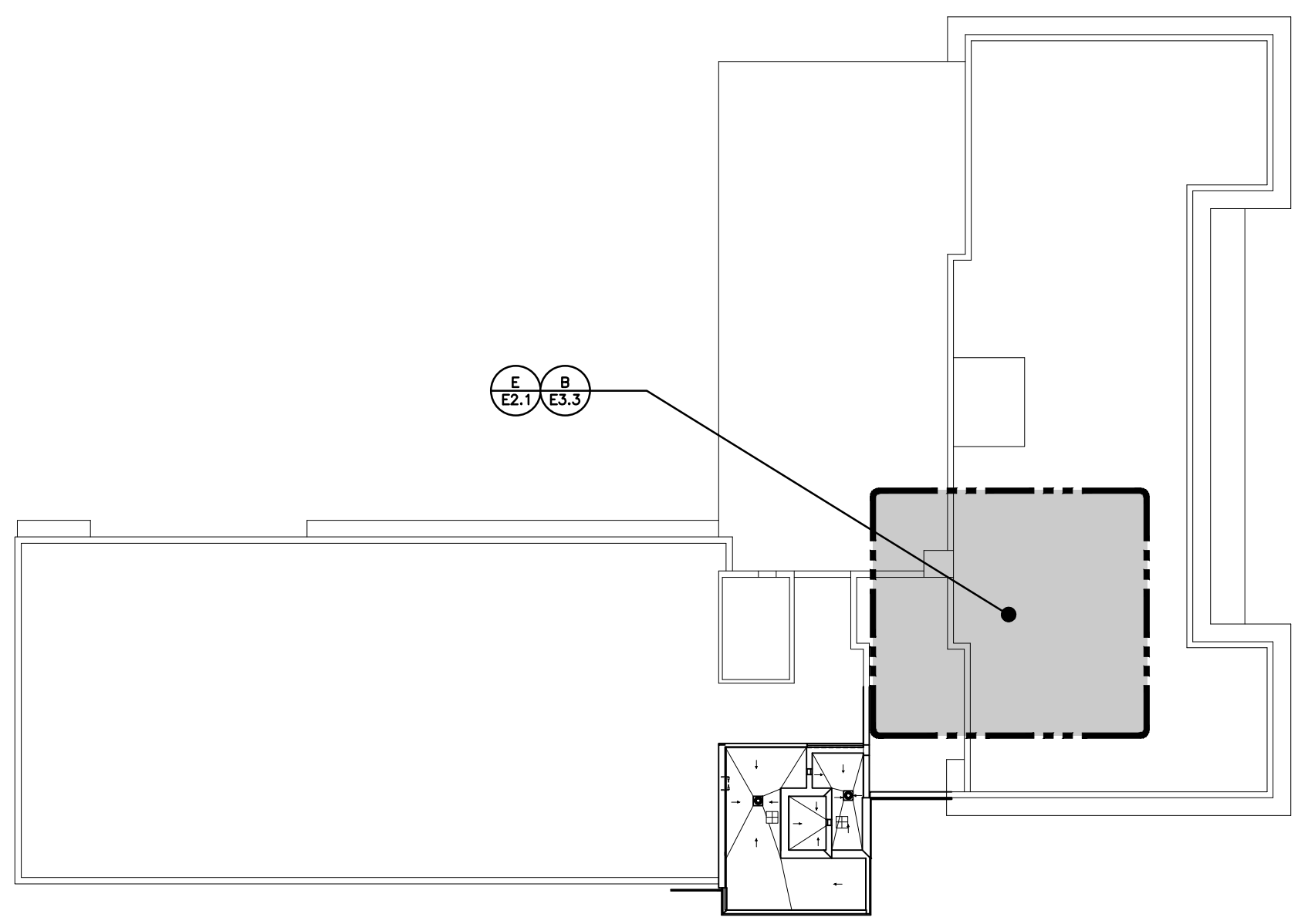
BASEMENT/LEVEL 1
SCALE: 1:300



LEVEL 1B & 2A
SCALE: 1:300



LEVEL 2
SCALE: 1:300



ROOF PLAN
SCALE: 1:300

OVERALL KEY PLANS
SCALE: 1:300

| EQUIPMENT WIRING SCHEDULE | | | | | | | | | | | | | | E=ELECTRICAL M=MECHANICAL O=OTHERS |
|---------------------------|-------------------|-------------|--------------------|---------|----------------|------------------|---------------|----------|----------------|------------|----|----------------|-----------|--|
| Electrical Item | Description | Provided by | Data | Starter | Control Device | Isolating Device | Remote Items | | | | | | Interlock | Remarks |
| | | | | | | | WP Disconnect | Bkr/Fuse | Starter/Device | Thermostat | RA | Interval Timer | | |
| 1 | AC-21 | M | 208 0.25 MCA | 1 | | E | | | | | | | | WIRE THROUGH EX-CU-20 |
| 2 | AC-22 | M | 208 0.25 MCA | 1 | | E | | | | | | | | WIRE THROUGH CU-21 |
| 3 | CU-20 | M | 208 18.6 MCA | 1 | | E | | | | | | | | WIRE THROUGH CU-21 |
| 4 | AC-23 | M | 208 0.25 MCA | 1 | | E | | | | | | | | WIRE THROUGH CU-22 |
| 5 | AC-24 | M | 208 0.25 MCA | 1 | | E | | | | | | | | WIRE THROUGH CU-21 |
| 6 | CU-22 | M | 208 1.9 MCA | 1 | | E | | | | | | | | WIRE THROUGH CU-24 |
| 7 | EF-7 | M | 120 1/3 HP | 1 | | E | | | | | | | | ELEVATOR MACHINE ROOM |
| 8 | FORCE FLOW HEATER | M | 120 FHP | 1 | | E | | | | | | | | |
| 9 | EF-8 | M | 120 FHP | 1 | | E | | | | | | | | LOCAL EXHAUST |

| EQUIPMENT WIRING SCHEDULE | | | | | | | | | | | | | | E=ELECTRICAL M=MECHANICAL O=OTHERS |
|---------------------------|-------------|-------------|--------------------|---------|----------------|------------------|---------------|----------|----------------|------------|----|----------------|-----------|--|
| Electrical Item | Description | Provided by | Data | Starter | Control Device | Isolating Device | Remote Items | | | | | | Interlock | Remarks |
| | | | | | | | WP Disconnect | Bkr/Fuse | Starter/Device | Thermostat | RA | Interval Timer | | |
| 10 | CU-22 | M | 208 30.2 MCA | 1 | | E | | | | | | | | |
| 11 | AC-25 | M | 208 0.25 MCA | 1 | | E | | | | | | | | WIRE THROUGH CU-23 |
| 12 | AC-26 | M | 208 0.25 MCA | 1 | | E | | | | | | | | WIRE THROUGH CU-23 |
| 13 | CU-23 | M | 208 30.2 MCA | 1 | | E | | | | | | | | WIRE THROUGH CU-23 |
| 14 | AC-27 | M | 208 0.25 MCA | 1 | | E | | | | | | | | WIRE THROUGH CU-24 |
| 15 | AC-28 | M | 208 0.25 MCA | 1 | | E | | | | | | | | WIRE THROUGH CU-24 |
| 16 | CU-25 | M | 208 18.6 MCA | 1 | | E | | | | | | | | |

| NO. | DATE | PARTICULAR |
|-----|------------|-------------------------------|
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| 7 | 06/23/2023 | ISSUED FOR DEMO PERMIT |
| 8 | 10/11/2023 | ISSUED FOR BUILDING PERMIT |
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| A | 08/03/2023 | ISSUED FOR CHANGE NOTICE |
| B | 08/29/2023 | ISSUED FOR CHANGE NOTICE |
| B | 09/11/2023 | ISSUED FOR CHANGE NOTICE RT |

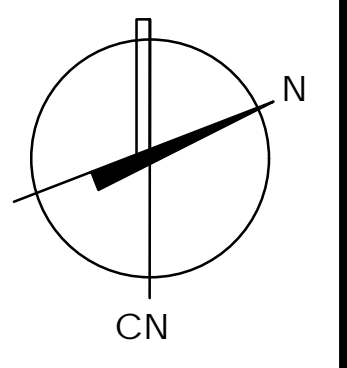
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CLIENT
WATERLOO REGION DISTRICT SCHOOL BOARD, 51 ARDELT AVENUE, KITCHENER, ONTARIO, N2C 2R5

PROJECT:
22059
KING EDWARD PS ELEVATOR ADDITION
709 KING STREET WEST, KITCHENER, ON N2G 1E3

ORIGINAL PAGE SIZE ARCH D - 24" X 36"

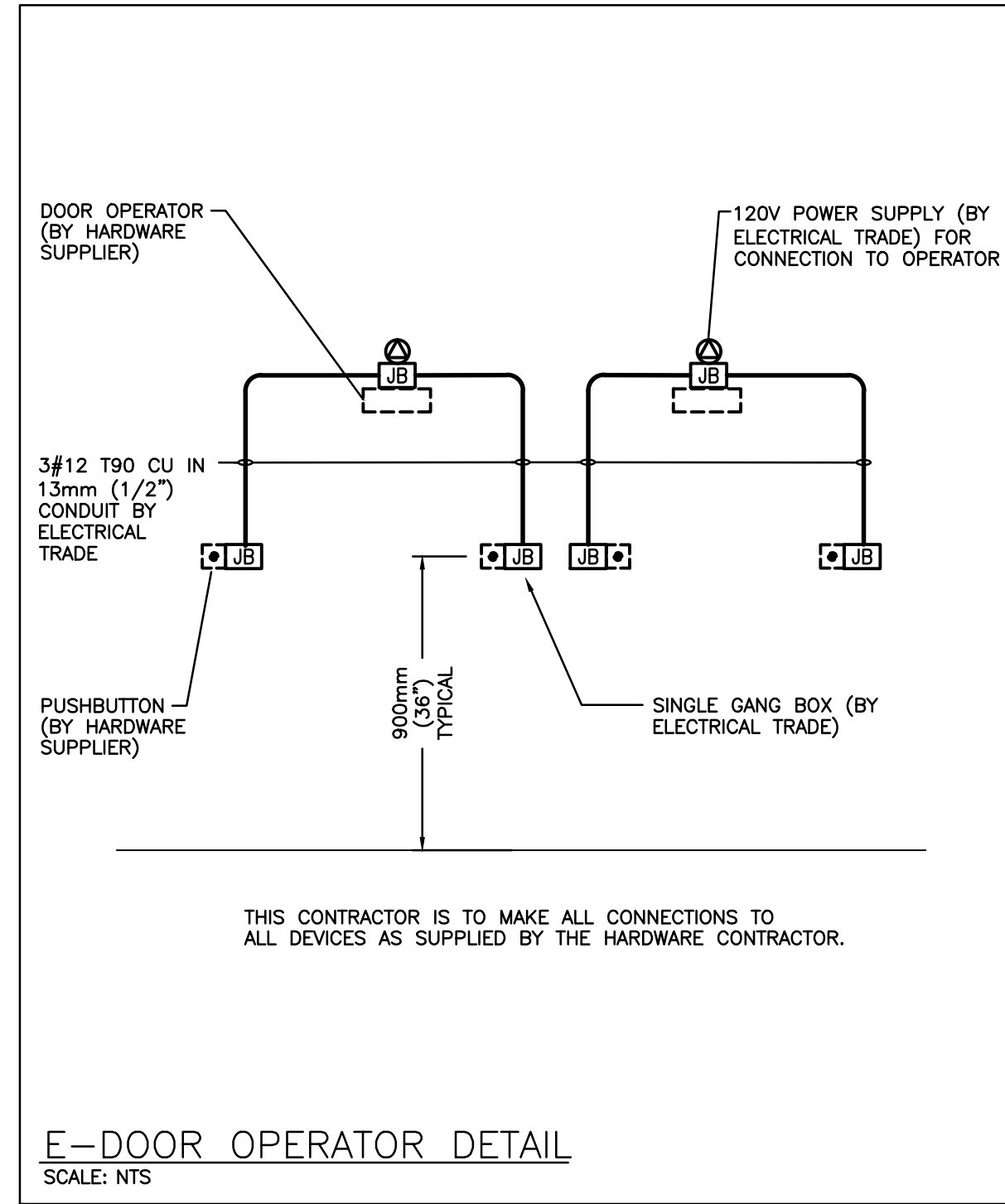
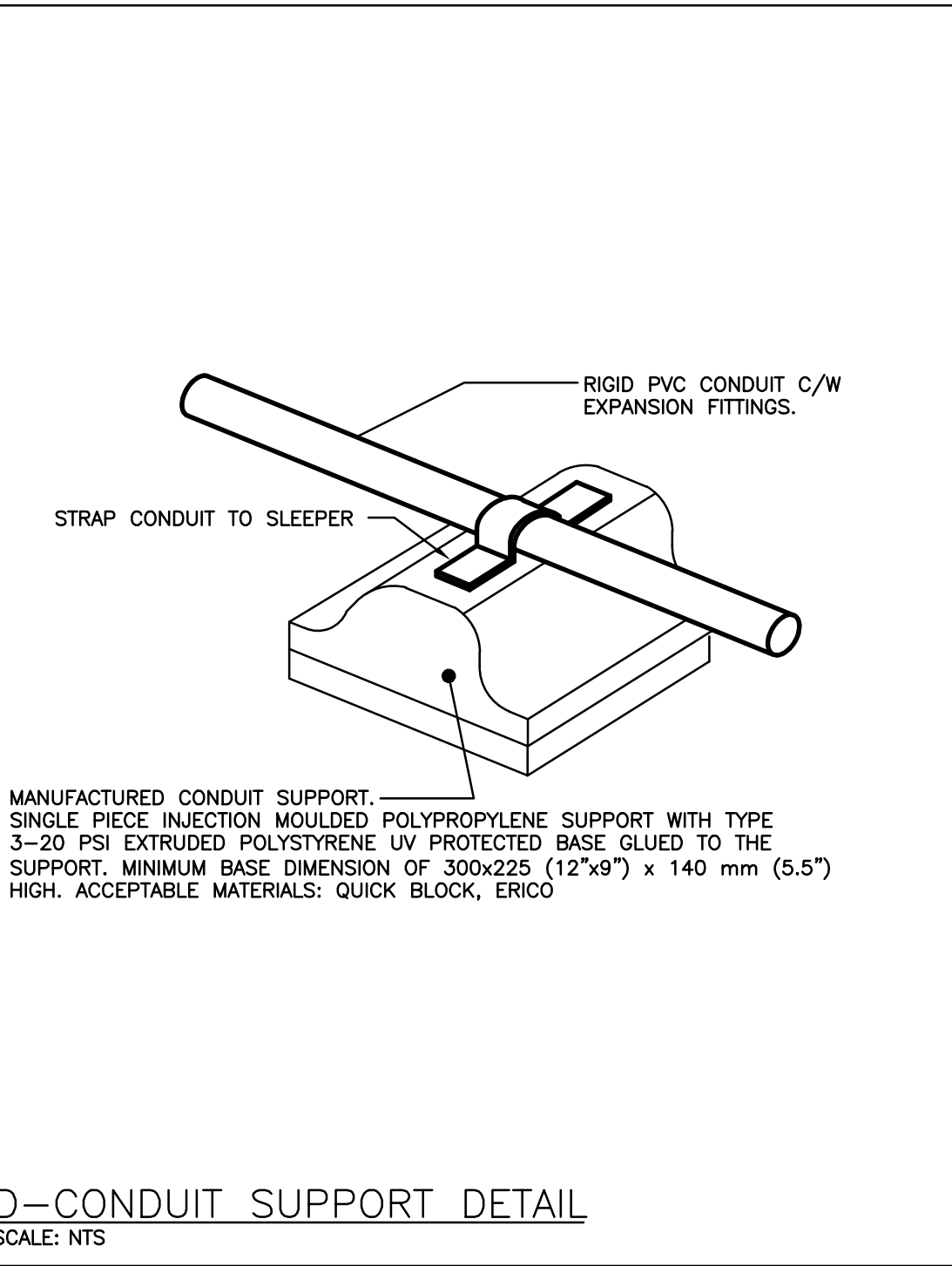
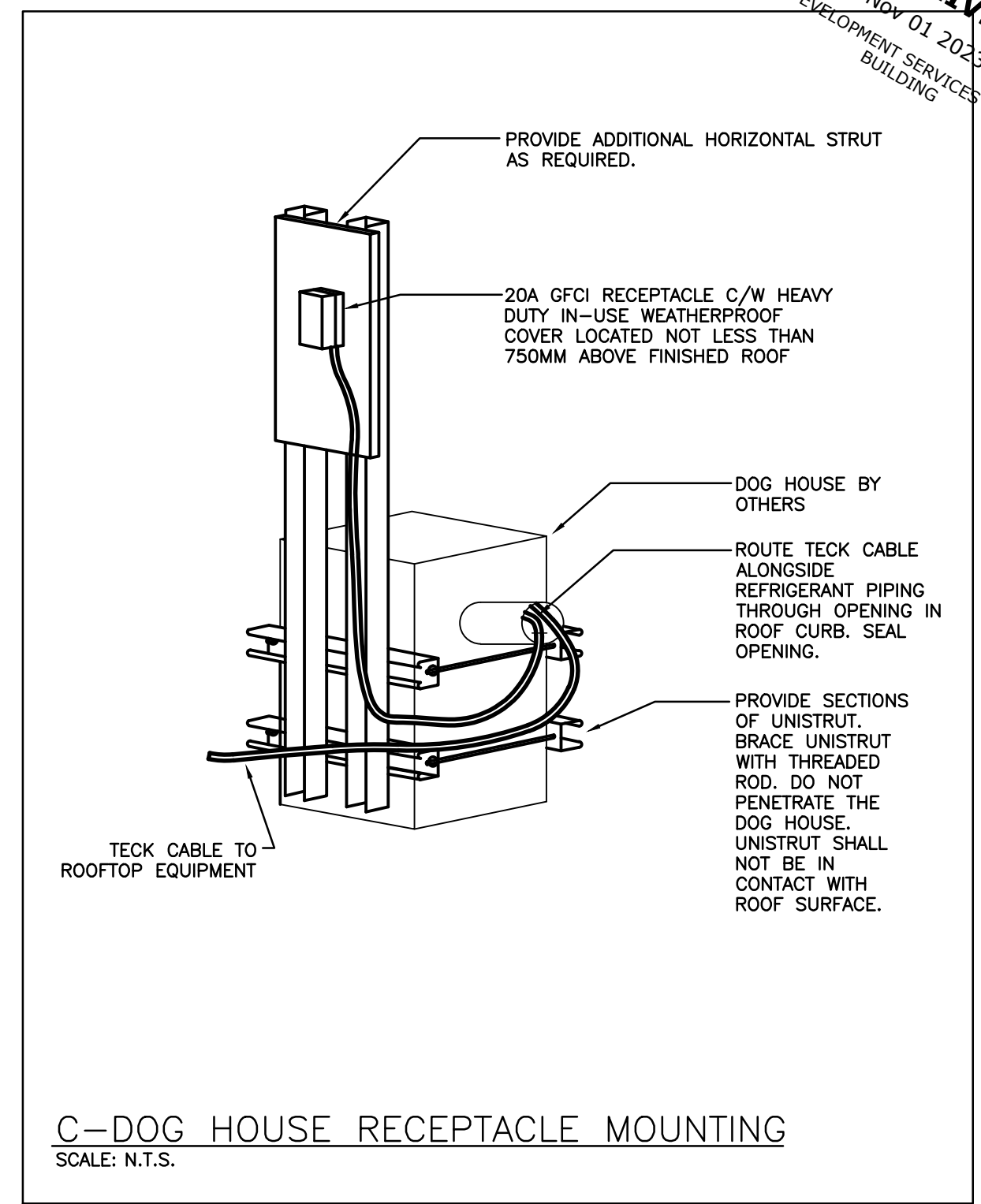
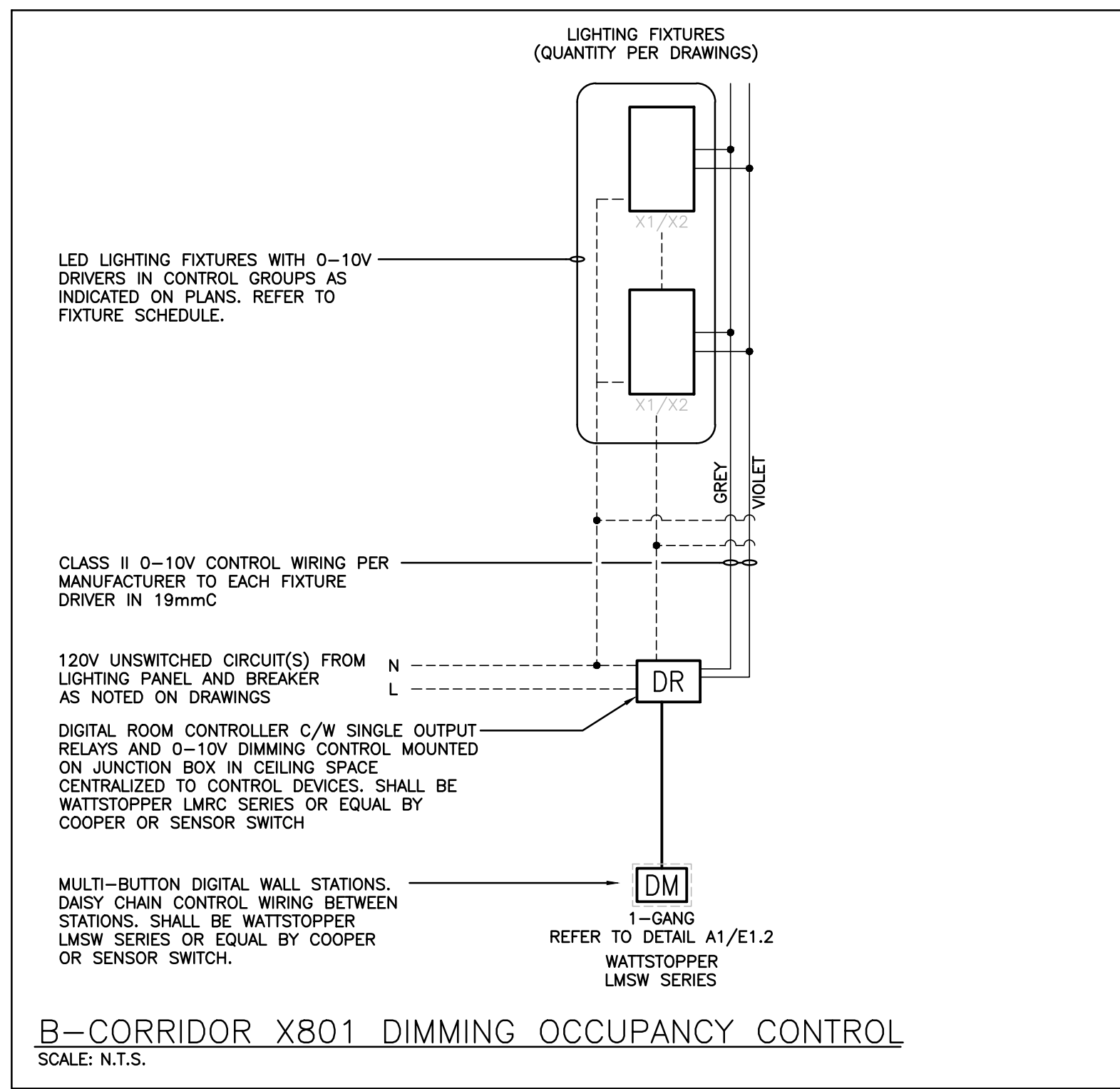
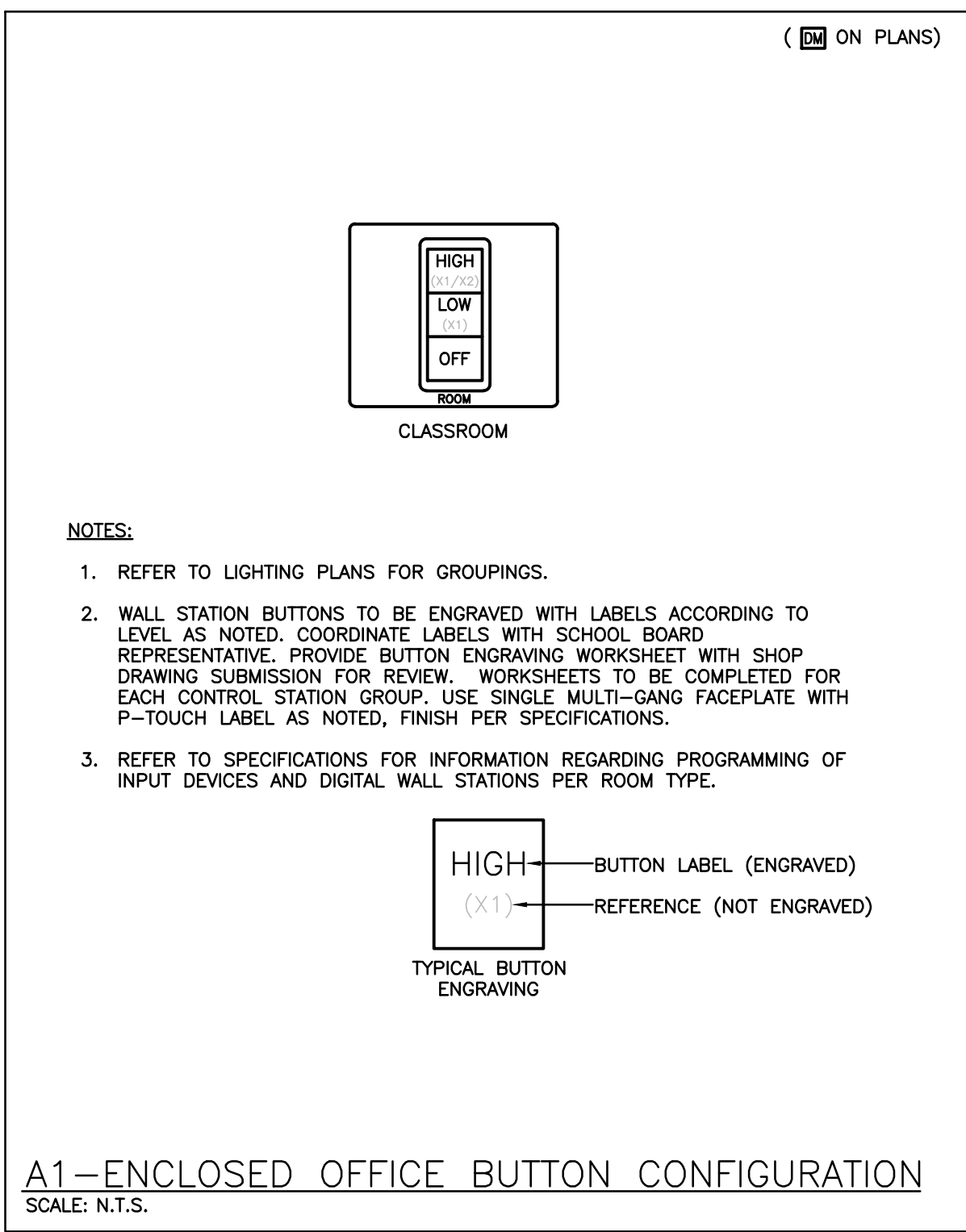
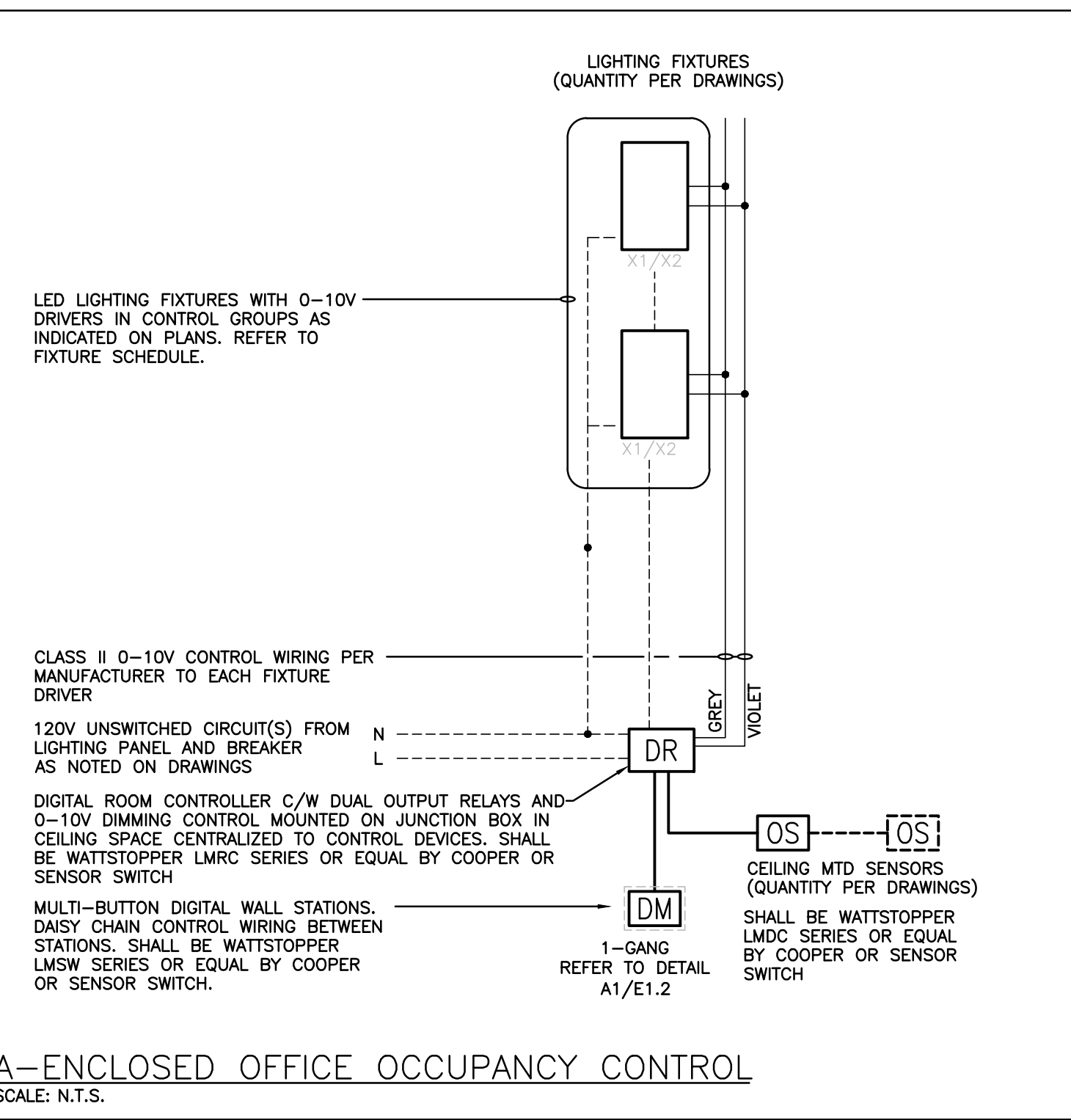


KITCHENER PERMIT # 23 107615

E1.1

DRAWN BY: CP CHECKED BY: RL

LEGEND, SCHEDULES, AND KEY PLANS



LED LIGHT FIXTURE SCHEDULE

| Item | Manufacturer/Catalog Number | Voltage | Lamp | Mounting | Description |
|--------------|--|----------|----------------------------|-----------------------|--|
| B | COOPER CAT. #4-SNLED-LD5-47SL-LW-UNV-LB40-CD-1-AYC-WG/SNF-4FT LITHONIA CAT. #CSS-LAB-ALD3-MVOLT-SWWS-80CR C/W #WCS SIGNIFY CAT. #FSS455LB40-UNV-DM / FSSW64 / FRK-126 | 120V | 41W LED 4900lm 4000K | SUSPENDED /SURFACE | 4'(1220mm) SURFACE LED STRIP LIGHT C/W WIDE LENSED OPTICAL DISTRIBUTION. CHAIN SUSPENSION KIT AND WIRE GUARD. |
| C | COOPER CAT. #HC6-1500-D010-HM6-0525-840-61-MD-H LITHONIA CAT. #LDN6-40/15-AR-LSS-TRW-MVOLT-G21 LIGHTOLIER CAT. #6RN-CBL15840MZ10U-C6RDLXX | 120V | 15W LED 1500lm 4000K | RECESSED | 6" (150mm) POTLIGHT C/W 0-10V DIMMING DRIVER, SEMI-SPECULAR CLEAR REFLECTOR, WHITE POLYMER TRIM RING AND CUSTOM FINISH TO BE SELECTED BY ARCHITECT. |
| L | LITHONIA CAT. #2BLT4-4CL-ADP-GZ1-LP840 COOPER CAT. #24CZ2-40-UNV-LB40-CD-1 ELITE CAT. #24-OVHP-LED-4000L-DM10-MVOLT-40K-85 | 120V | 32W LED 4000lm 4000K | RECESSED | 2'X4' (610mmX1220mm) SHALLOW VOLUMETRIC LED TROFFER C/W SMOOTH FROSTED ACRYLIC LENS AND 0-10V DIMMING DRIVER. |
| L1 | LITHONIA CAT. #2BLT4-30L-ADP-GZ1-LP840 COOPER CAT. #24CZ2-30-UNV-LB40-CD-1 ELITE CAT. #24-OVHP-LED-4000L-DM10-MVOLT-40K-85 | 120V | 22W LED 3000lm 4000K | RECESSED | 2'X4' (610mmX1220mm) SHALLOW VOLUMETRIC LED TROFFER C/W SMOOTH FROSTED ACRYLIC LENS AND 0-10V DIMMING DRIVER. |
| L2 | LITHONIA CAT. #2BLT4-48L-ADP-GZ1-LP840 C/W 2X4SMKSH COOPER CAT. #24CZ2-50-UNV-LB40-CD-1 C/W SK-24-WS ELITE CAT. #24-OVHP-LED-5000L-DM10-MVOLT-40K-85 C/W 24-OVHP-LED-SMK | 120V | 36W LED 4800lm 4000K | SURFACE | 2'X4' (610mmX1220mm) SHALLOW VOLUMETRIC LED TROFFER C/W SMOOTH FROSTED ACRYLIC LENS, 0-10V DIMMING DRIVER AND SURFACE MOUNT KIT. |
| EMERG. BATT. | BEGHELLI TEMPESTA SERIES: EM-3 #TA-LED-EM-120-5-90SP (SURFACE CEILING MOUNT) OR APPROVED EQUALS BY: STANPRO AIMLIGHT CAT. #VP1 SERIES | 120V | N/A | SURFACE | VANDAL RESISTANT LONG LIFE, SEALED BATTERY, C/W 17W LED MODULES, POLYCARBONATE BODY AND 90 MINUTE BATTERY DURATION. |
| COMBO UNIT | BEGHELLI CAT. EM-1 #QR1236L1MBTMR2SRMOLR EM-2 #QR1272L1MBTMR2SRMOLR STANPRO CAT. EM-1 #PRML123602S4LR EM-2 #PRML127202S4LR AIMLITE CAT. EM-1 #CARP1236LU2MDWHT EM-2 #CARP1272LU2MDWHT | 12V/120V | LED 4W MR16 | SURFACE | LED EXTRUDED ALUMINUM PICTOGRAM FIXTURE C/W GREEN FACE AND WHITE LEGEND, UNIVERSAL MOUNTING TO SUIT WALL, END OR CEILING, MAXIMUM 63mm (2.5") THICKNESS AND 12V INTERNAL SEALED RECHARGEABLE BATTERY PROVIDING MINIMUM EMERGENCY WATTAGE AS NOTED BY THE CATALOGUE NUMBER. INTEGRAL 12V LED HEADS TO HAVE COMPACT DESIGN WITH VARIABLE LIGHT PATTERN, WHITE COLOUR, AND 360° ROTATION. UNIT SHALL OPERATE ON 12V. WHERE NOTED UNIT SHALL BE C/W WIREGUARD. |

NOTES: ① FOR INFORMATION REGARDING DRIVER AND LENS INFORMATION REFER TO SPECIFICATION. ② LED LUMEN VALUES QUOTED FOR FIXTURES ARE TO BE CONSIDERED MINIMUM, AND AS ABSOLUTE OR DELIVERED LUMENS. LUMEN VALUES SHOULD NOT EXCEED MORE THAN 10% OF SPECIFIED OUTPUT. ③ WHERE NOTED ABOVE THAT FIXTURES ARE TO HAVE FINISH TO SUIT ARCHITECT THE FINISH WILL BE SELECTED FROM MANUFACTURER'S OPTIONAL COLOUR CHART (I.E. RAL COLOURS OR EQUAL). PROVIDE THIS COLOUR CHART WITH SHOP DRAWING SUBMITTAL. ④ IF THERE ARE ANY DISCREPANCIES BETWEEN THE FIXTURE PART NUMBER AND DESCRIPTION, IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO BRING THIS TO THE ELECTRICAL CONSULTANTS ATTENTION PRIOR TO SHOP DRAWING REVIEW.

LIGHTING CONTROL SYSTEMS SEQUENCE OF OPERATION

| Space Type | Room Names | Control Sequence / Control Device(s): | Control System |
|------------------|------------|--|-----------------------------|
| Corridor | TYPICAL | Sequence: MANUAL ON: Lights turned on manually via dimming station. MANUAL OFF: Lights turned off manually via dimming station. | DIGITAL ROOM CONTROL SYSTEM |
| Enclosed Offices | TYPICAL | Sequence: ON: Lights turned on manually via wall station(s). ADJUST: The occupant manually adjusts lighting within the room to desired level or preset in each group via wall dimmer. OFF: 5 minutes after the room has been vacated, the lights will automatically turn off. | DIGITAL ROOM CONTROL SYSTEM |

SYSTEM DESCRIPTIONS:

DIGITAL ROOM CONTROL (DLM) SYSTEM
DIGITAL ROOM CONTROL RELAY POWER PACKS C/W PLUG AND PLAY DIGITAL SENSORS AND WALL MOUNT CONTROL STATIONS.

LINE VOLTAGE OCCUPANCY CONTROL SYSTEM
LINE VOLTAGE WALL SENSOR SWITCHES AND LINE VOLTAGE POWER PACKS WITH HARD WIRED SENSORS.
REFER TO SPECIFICATIONS.



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| 6 | 04/04/2023 | ISSUED FOR TENDER |
| 7 | 06/23/2023 | ISSUED FOR DEMO PERMIT |
| 8 | 10/11/2023 | ISSUED FOR BUILDING PERMIT |
| 9 | 11/01/2023 | RE-ISSUED FOR BUILDING PERMIT |
| A | 04/12/2023 | ISSUED FOR ADDENDUM |

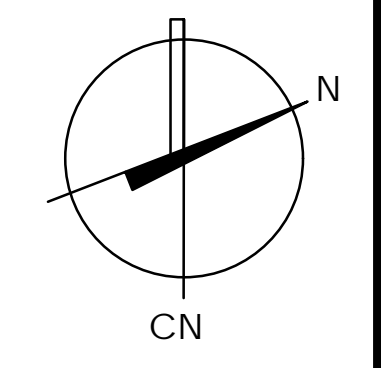
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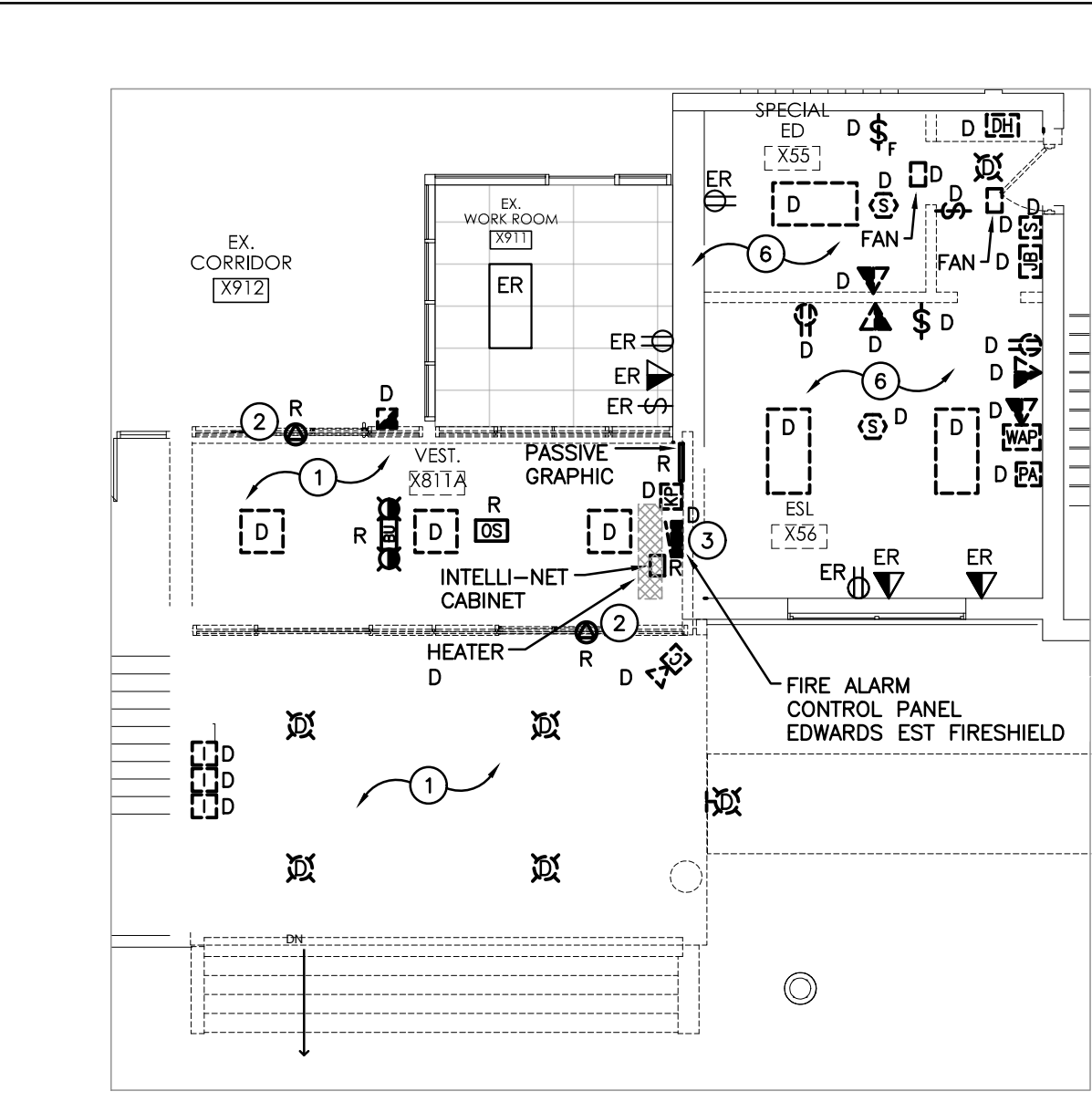


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N2C 2R5

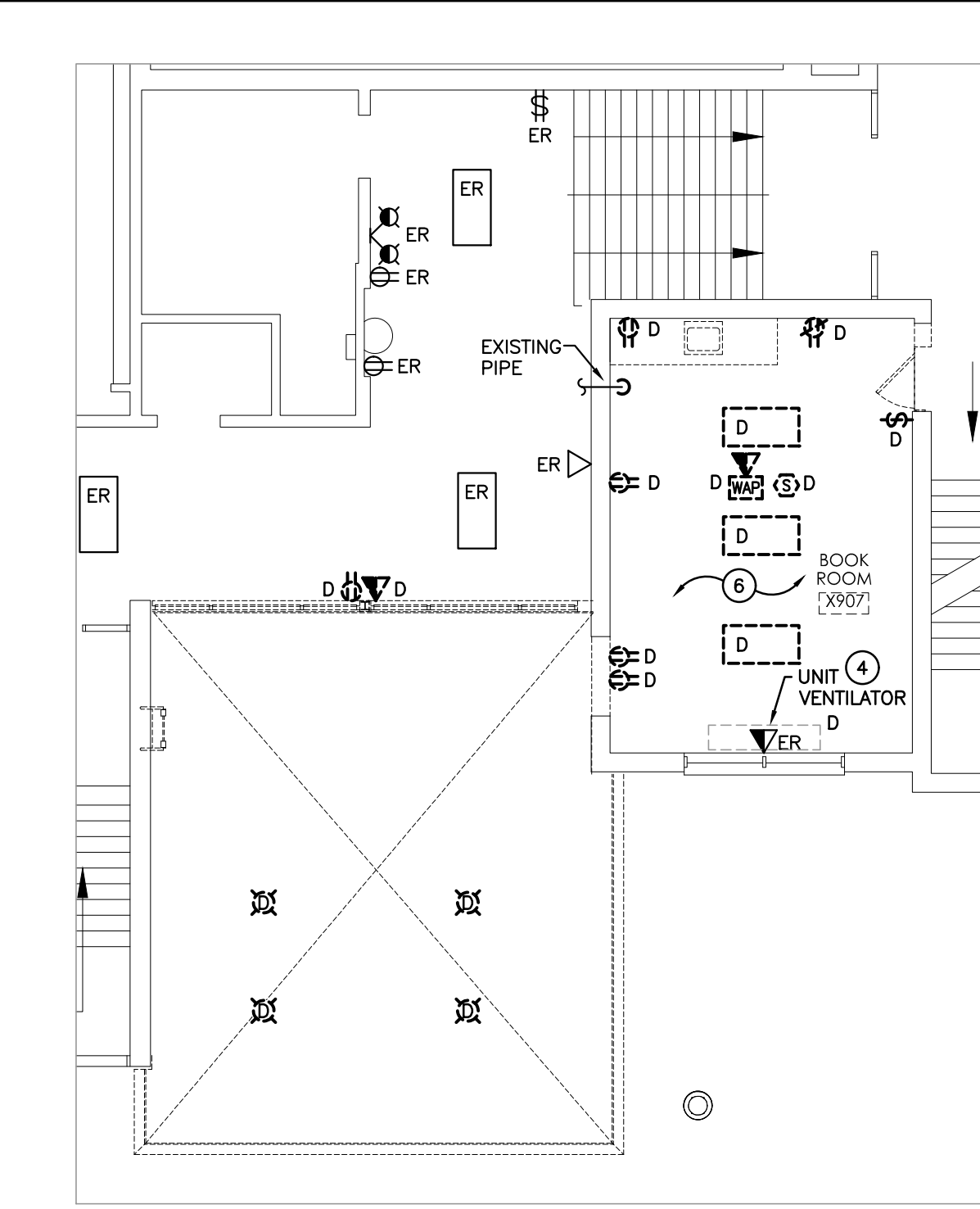
PROJECT:
22059
KING EDWARD PS ELEVATOR
ADDITION
709 KING STREET WEST,
KITCHENER, ON
N2G 1E3

ORIGINAL PAGE SIZE ARCH D - 24" X 36"

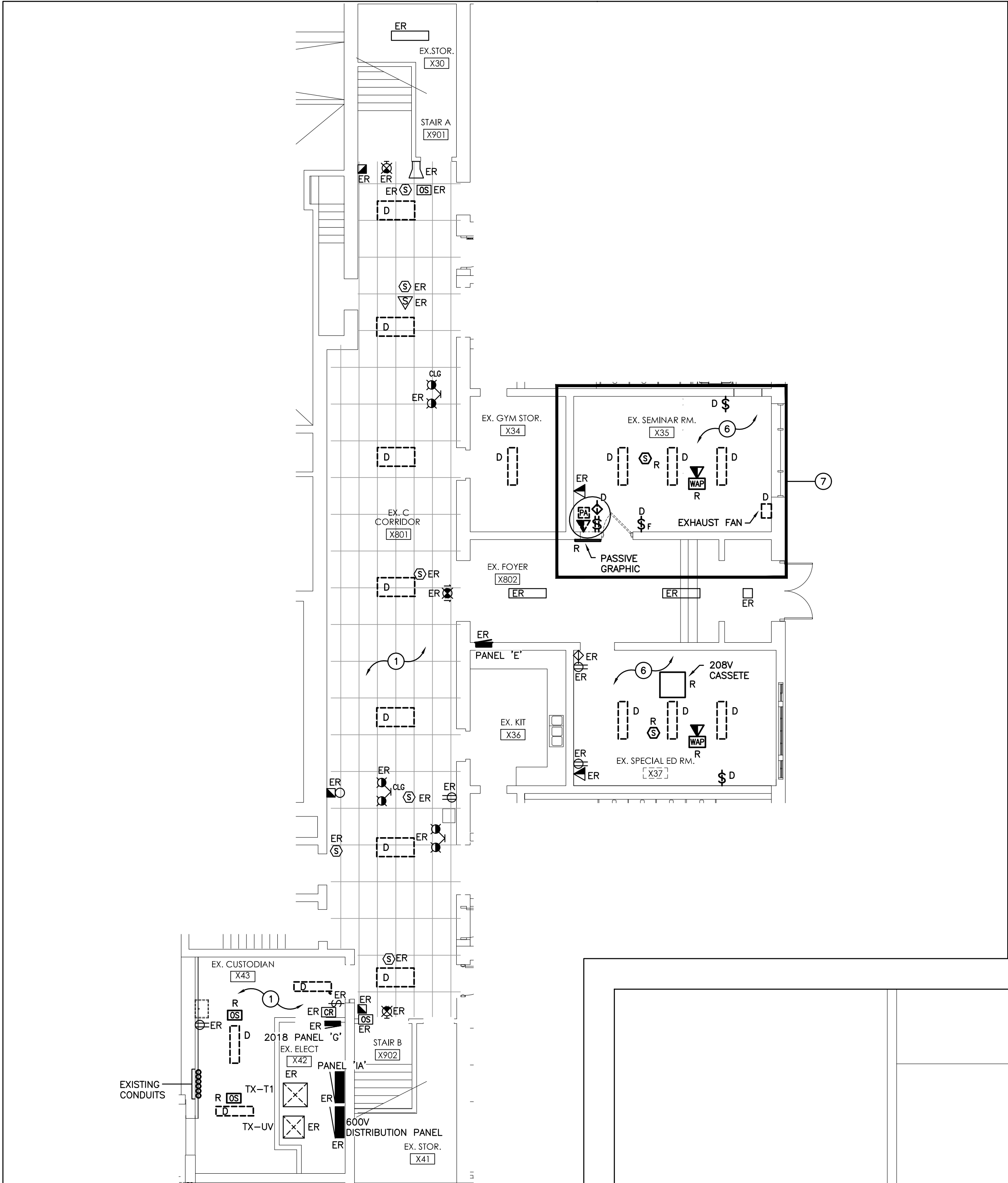




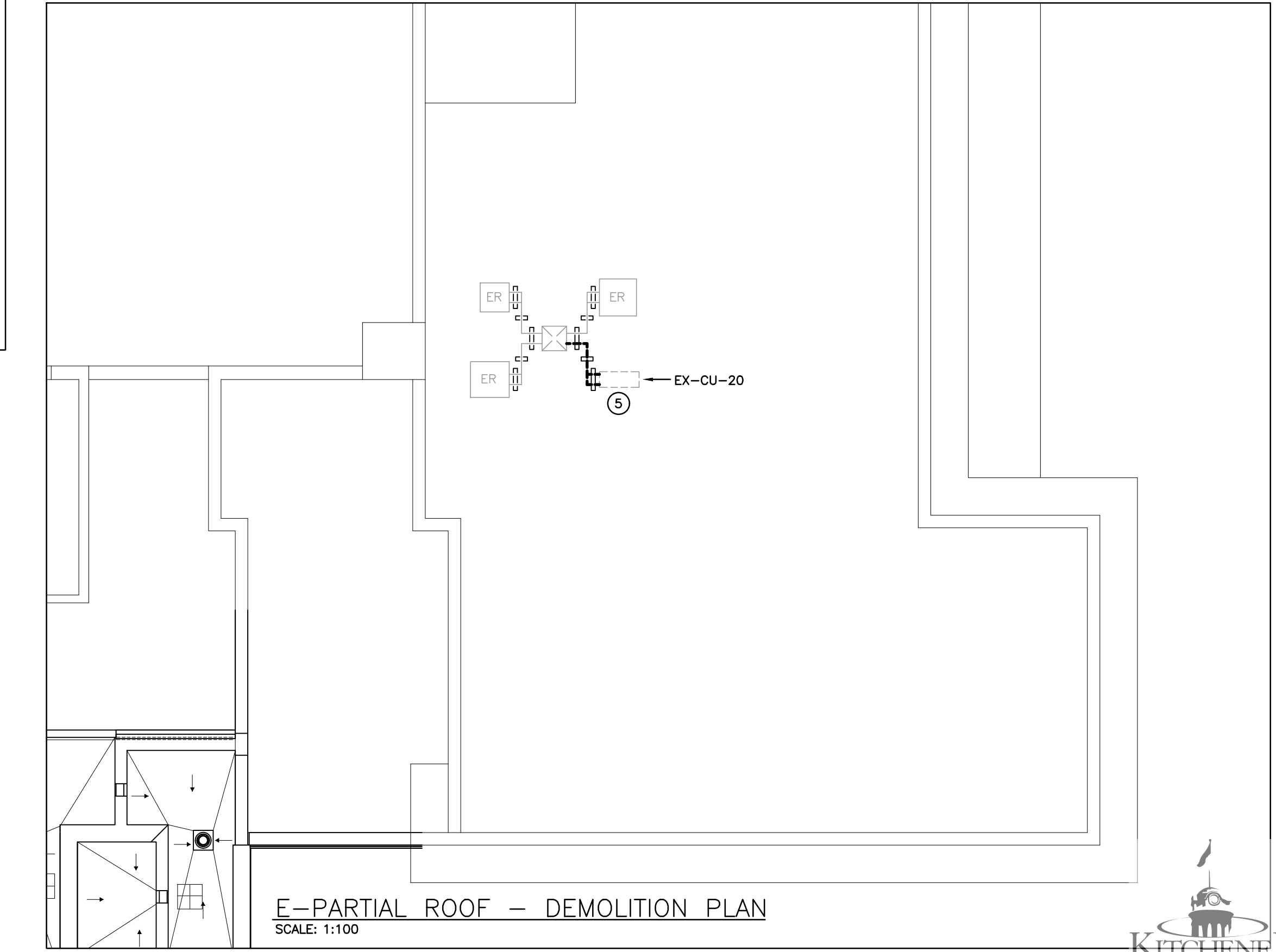
B-PARTIAL LEVEL 1B & LEVEL 2A – DEMOLITION PLAN
SCALE: 1:100



C-PARTIAL LEVEL 2 – DEMOLITION PLAN
SCALE: 1:100



D-PARTIAL LEVEL 1 CORRIDOR – DEMOLITION PLAN
SCALE: 1:100



E-PARTIAL ROOF – DEMOLITION PLAN
SCALE: 1:100

GENERAL DEMOLITION NOTES

- 'ER' DENOTES EXISTING ITEM TO REMAIN.
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- 'R' INDICATES EXISTING ITEM TO BE RELOCATED. REFER TO RENOVATION DRAWINGS AND RELOCATE DEVICE AND WIRING TO SUIT. UNLESS OTHERWISE NOTED.
- 'D' INDICATES EXISTING ITEM TO BE DELETED. UNLESS OTHERWISE NOTED DISCONNECT AND REMOVE NOTED DEVICE AND WIRING BACK TO SOURCE.
- ALL LIGHTING FIXTURES BEING RELOCATED SHALL BE CLEANED AND CHECKED PRIOR TO BEING REINSTALLED.

SPECIFIC DEMOLITION NOTES

- 1 LIGHTING FIXTURES WITHIN AREA TO BE DEMOLISHED. MAINTAIN LIGHTING CIRCUITS AND LIGHTING CONTROLS FOR RECONNECTION TO NEW LIGHTING AS SHOWN ON RENOVATION PLANS.
- 2 INDICATES DOOR OPERATOR CONNECTION AND ANY ASSOCIATED AUXILIARY DEVICES TO BE RELOCATED TO NEW ENTRANCE AS SHOWN ON RENOVATION PLANS. MAINTAIN AND EXTEND WIRING FOR RECONNECTION TO NEW LOCATION.
- 3 INDICATES EXISTING FIRE ALARM CONTROL PANEL TO BE DEMOLISHED. ELECTRICAL CONTRACTOR IS TO EXTEND/RE-ROUTE ALL EXISTING FEEDS TO SUIT TEMPORARY AND NEW LOCATIONS OF NEW FIRE ALARM CONTROL PANEL AS SHOWN ON RENOVATION. PROVIDE VERIFICATION OF ALL DEVICES PER SPECIFICATIONS. RETAIN EXISTING PANEL FOR INSTALLATION AT TEMPORARY LOCATION AS NECESSARY.
- 4 INDICATES MECHANICAL EQUIPMENT BEING REMOVED BY MECHANICAL TRADE. THIS CONTRACTOR IS TO DISCONNECT AND REMOVE FEEDER BACK TO SOURCE. DISCONNECT AND REMOVE ALL CONTROL DEVICES. LABEL SOURCE DEVICE AS SPARE.
- 5 INDICATES MECHANICAL EQUIPMENT BEING REPLACED WITH NEW BY MECHANICAL TRADE. THIS CONTRACTOR IS TO DISCONNECT AND RE-CONNECT EXISTING FEEDER TO NEW DEVICE. REFER TO RENOVATION PLANS FOR CONTINUATION.
- 6 LIGHTING FIXTURES AND CONTROLS WITHIN AREA TO BE DEMOLISHED. MAINTAIN LIGHTING CIRCUITS FOR RECONNECTION TO NEW LIGHTING AS SHOWN ON RENOVATION PLANS.
- 7 WORK WITHIN INDICATED AREA IS TO BE CARRIED AS A CASH ALLOWANCE. REFER TO ARCHITECTURAL PACKAGE FOR CASH ALLOWANCE INFORMATION.

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BUILDING

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| A | 08/02/2023 | ISSUED FOR CHANGE NOTICE |
| B | 08/29/2023 | ISSUED FOR CHANGE NOTICE |
| B | 09/11/2023 | ISSUED FOR CHANGE NOTICE RT |

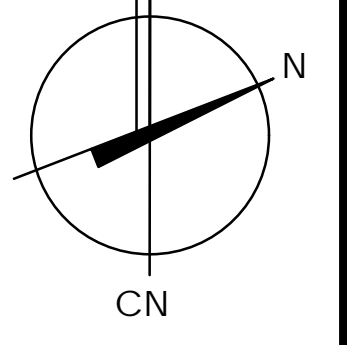
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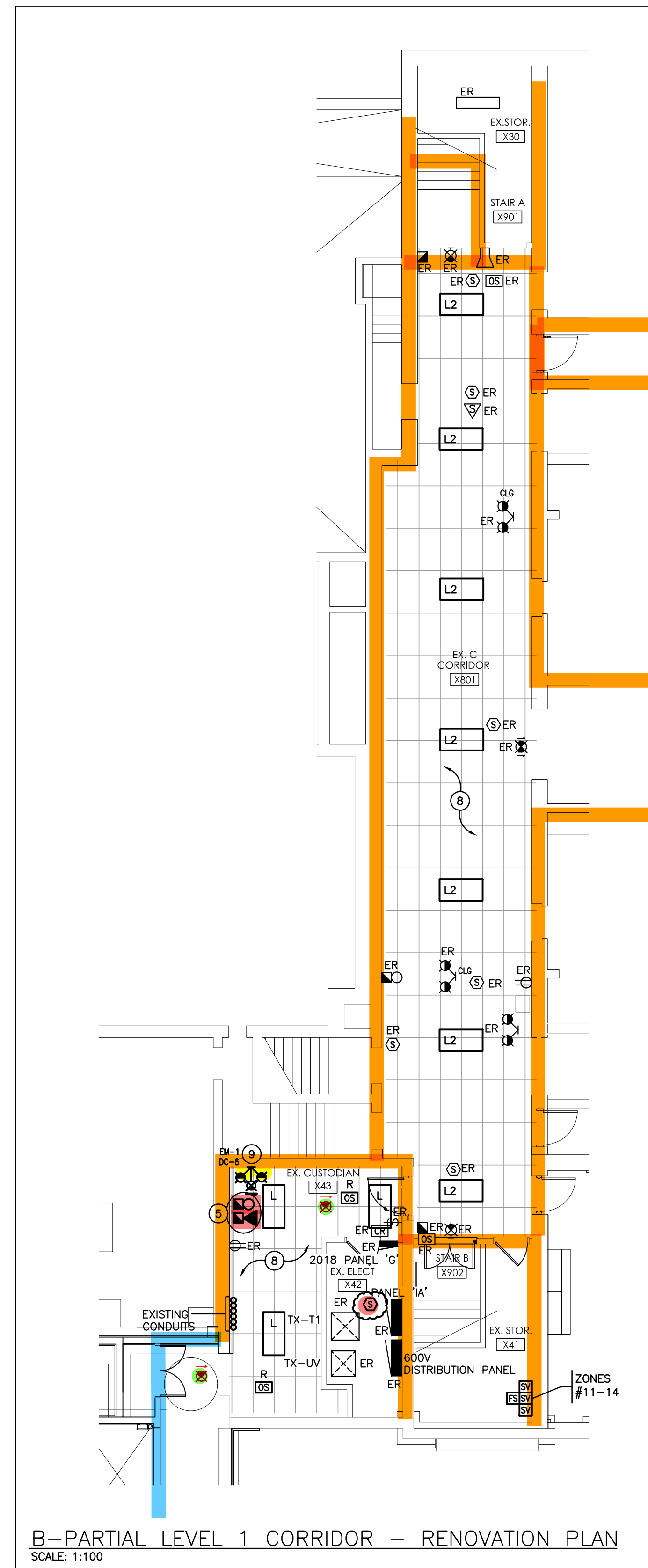
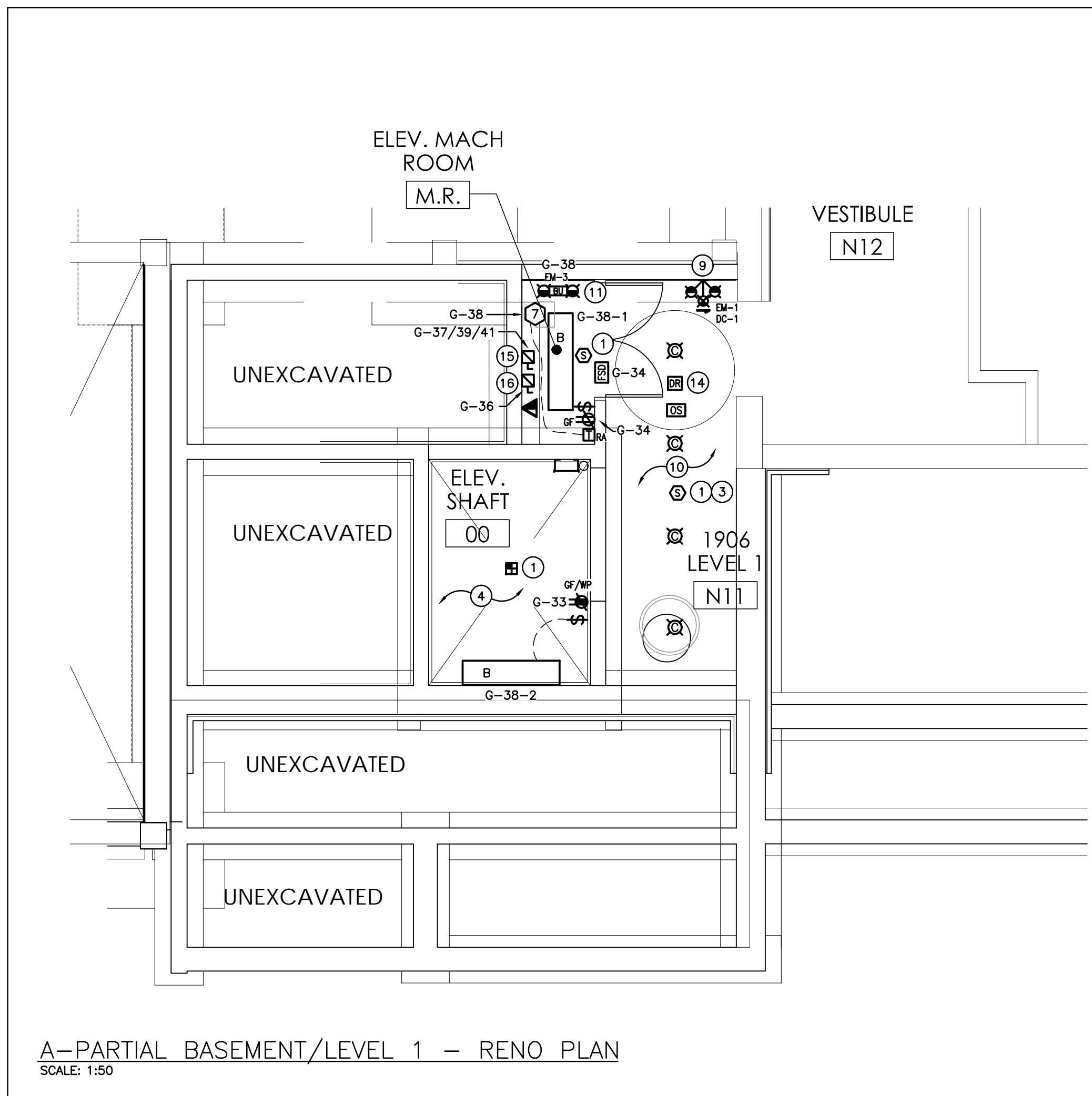
PROJECT:
22059
KING EDWARD PS ELEVATOR ADDITION
709 KING STREET WEST, KITCHENER, ON N2G 1E3

ORIGINAL PAGE SIZE ARCH D - 24" X 36"



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DEMOLITION PLANS



BUILDING INSPECTOR TO VERIFY IF ADDITIONAL EXIT SIGNS / EMERGENCY LIGHTING IS REQUIRED.

GENERAL RENOVATION NOTES

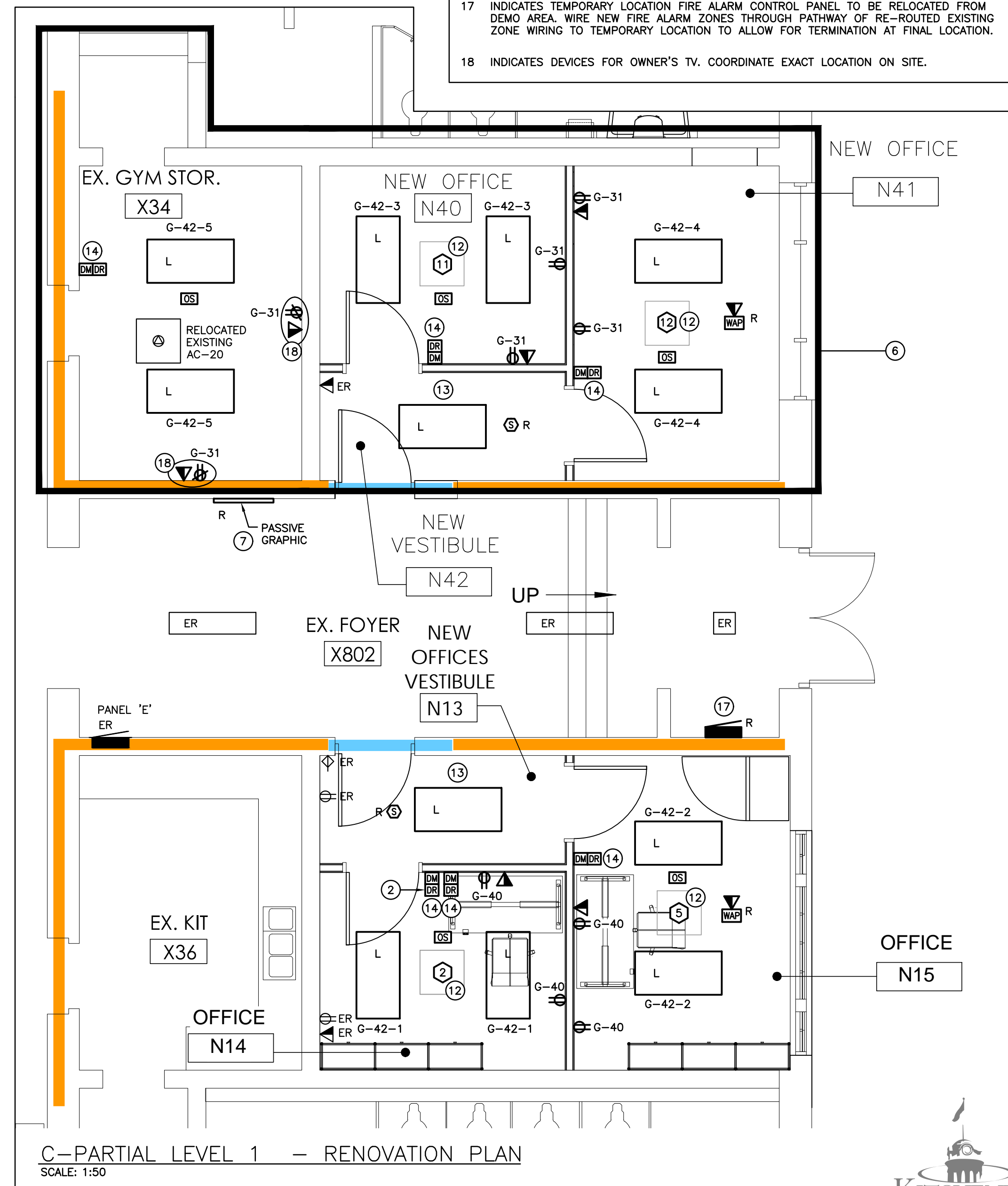
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- 'R' INDICATES EXISTING ITEM IN RELOCATED POSITION.
- ALL DEVICES SHOWN ARE NEW UNLESS OTHERWISE NOTED.
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS OTHERWISE NOTED.
- MAINTAIN SERVICE TO ALL EXISTING DEVICES TO REMAIN.
- REVISE PANEL DIRECTORIES TO SUIT CHANGES (TYPED).

ALL RECEPTACLES ARE TO BE TAMPERPROOF RESISTANT TYPE AS PER LATEST OESC 26-706.

INDICATES EXISTING WALL TO BE FISHED TO FEED INDICATED DEVICE. IF WALL CANNOT BE FISHED PROVIDE SURFACE MOUNT WIREMOLD 700 SERIES.

SPECIFIC RENOVATION NOTES

- 1 THROUGH PROGRAMMING WHEN INDICATED DETECTOR IS IN ALARM, ASSOCIATED RELAY IN CONTROL PANEL IS TO CLOSE AND SEND SIGNAL TO ELEVATOR CONTROLLER.
- 2 INDICATES DIMMER SWITCH FOR CONTROL OF NEW LIGHTING WITHIN EXISTING CORRIDOR X801. PROVIDE LAMICOID LABEL FOR SWITCH.
- 3 INDICATES NEW FIRE ALARM INITIATING DEVICE IN ELEVATOR LOBBY CONNECTED TO NEW ADDRESSABLE LOOP AND CROSS-ZONED TO EXISTING FLOOR INITIATING ALARM ZONE. REFER TO FIRE ALARM RISER.
- 4 INDICATED DEVICES TO BE INSTALLED IN ELEVATOR/LIFT PIT. COORDINATE WITH ELEVATOR SHOP DRAWINGS.
- 5 CONNECT INDICATED DEVICE TO THE LOCAL SIGNAL CIRCUIT. ALL WIRING MUST BE SUPERVISED.
- 6 WORK WITHIN INDICATED AREA IS TO BE CARRIED AS CASH ALLOWANCE. REFER TO ARCHITECTURAL PACKAGE FOR CASH ALLOWANCE INFORMATION.
- 7 ELECTRICAL CONTRACTOR SHALL REPLACE EXISTING PASSIVE GRAPHIC WITH UPDATED TO SUIT NEW LAYOUT.
- 8 INDICATED LIGHTING WITHIN AREA TO BE CONNECTED TO EXISTING CORRIDOR LIGHTING AND LIGHTING CONTROLS.
- 9 INDICATES NEW EMERGENCY BATTERY UNIT TO BE CONNECTED TO UNSWITCHED SIDE OF LOCAL LIGHTING CIRCUIT.
- 10 INDICATED LIGHTING WITHIN AREA TO BE CONNECTED TO EXISTING CORRIDOR LIGHTING. REWORK CONTROLS TO SUIT NEW LAYOUT.
- 11 INDICATED DEVICE IS TO BE CEILING MOUNTED. PROVIDE ADEQUATE SUPPORT.
- 12 INDICATED MECHANICAL ITEM TO BE FED THROUGH CONDENSING UNIT. REFER TO EQUIPMENT WIRING SCHEDULE FOR ADDITIONAL INFORMATION. FEED WITH 3#12 T90 CU IN 21mmC.
- 13 INDICATED LIGHTING WITHIN AREA TO BE CONNECTED TO EXISTING CORRIDOR LIGHTING. REWORK CONTROLS TO SUIT NEW LAYOUT.
- 14 INDICATES DIGITAL ROOM CONTROLLER(S) INSTALLED WITHIN ACCESSIBLE CEILING SPACE FOR CONTROL OF NOTED OCCUPANCY SENSOR(S). REFER TO LIGHTING CONTROL DETAILS.
- 15 INDICATES FUSED DISCONNECT (C/W TWO SETS OF AUXILIARY CONTACTS) FOR ELEVATOR CONTROLLER. REFER TO DISTRIBUTION RISER DIAGRAM FOR ADDITIONAL INFORMATION COORDINATE WITH ELEVATOR SHOP DRAWINGS PRIOR TO ROUGH-IN.
- 16 INDICATES 30A SINGLE POLE FUSIBLE DISCONNECT C/W 15A CLASS J FUSE FOR ELEVATOR CAB LIGHTING. COORDINATE WITH ELEVATOR SHOP DRAWINGS PRIOR TO ROUGH-IN.
- 17 INDICATES TEMPORARY LOCATION FIRE ALARM CONTROL PANEL TO BE RELOCATED FROM DEMO AREA WIRE NEW FIRE ALARM ZONES THROUGH PATHWAY OF RE-ROUTED EXISTING ZONE WIRING TO TEMPORARY LOCATION TO ALLOW FOR TERMINATION AT FINAL LOCATION.
- 18 INDICATES DEVICES FOR OWNER'S TV. COORDINATE EXACT LOCATION ON SITE.



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| 1 | 04/14/2022 | COORDINATION SET |
| 2 | 09/08/2022 | COORDINATION SET |
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| 9 | 11/01/2023 | RE-ISSUED FOR BUILDING PERMIT |
| A | 04/12/2023 | ISSUED FOR ADDENDUM |
| B | 08/02/2023 | ISSUED FOR CHANGE NOTICE |

NOTES:

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.

The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.

The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions.

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DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC

55 Northland Road,
Waterloo, ON N2H 1Y8
Phone: 519-225-5555
Website: deiassociates.ca
Project Number: 22084

CLIENT
WATERLOO REGION DISTRICT SCHOOL BOARD, 51 ARDELT AVENUE, KITCHENER, ONTARIO, N2C 2R5

PROJECT:
22059
KING EDWARD PS ELEVATOR ADDITION
709 KING STREET WEST, KITCHENER, ON N2G 1E3

ORIGINAL PAGE SIZE ARCH D - 24" X 36"



KITCHENER PERMIT # 23 107615

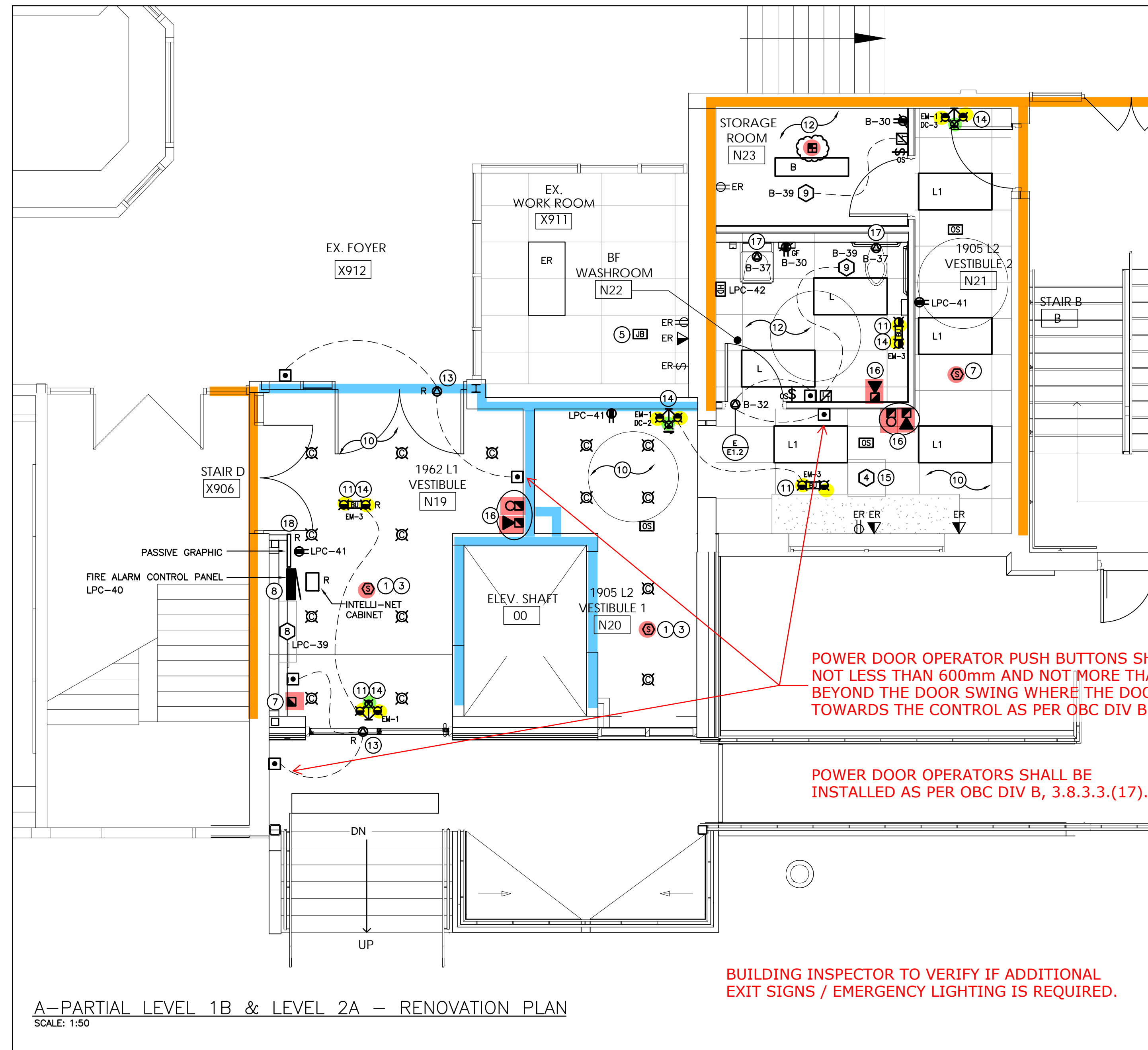
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RENOVATION PLANS

All dimensions and measurements must be checked in whole and verified by the General Contractor.

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A-PARTIAL LEVEL 1B & LEVEL 2A - RENOVATION PLAN
SCALE: 1:50

GENERAL RENOVATION NOTES

- 'ER' INDICATES EXISTING ITEM TO REMAIN.
- 'R' INDICATES EXISTING ITEM IN RELOCATED POSITION.
- ALL DEVICES SHOWN ARE NEW UNLESS OTHERWISE NOTED.
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS OTHERWISE NOTED.
- MAINTAIN SERVICE TO ALL EXISTING DEVICES TO REMAIN.
- REVISE PANEL DIRECTORIES TO SUIT CHANGES (TYPED).

ALL RECEPTACLES ARE TO BE TAMPERPROOF RESISTANT TYPE AS PER LATEST OESC 26-706.

INDICATES EXISTING WALL TO BE FISHED TO FEED INDICATED DEVICE. IF WALL CANNOT BE FISHED PROVIDE SURFACE MOUNT WIREMOLD 700 SERIES.

SPECIFIC RENOVATION NOTES

- 1 THROUGH PROGRAMMING WHEN INDICATED DETECTOR IS IN ALARM, ASSOCIATED RELAY IN CONTROL PANEL IS TO CLOSE AND SEND SIGNAL TO ELEVATOR CONTROLLER.
- 2 NOTE NOT USED.
- 3 INDICATES NEW FIRE ALARM INITIATING DEVICE IN ELEVATOR LOBBY CONNECTED TO NEW ADDRESSABLE LOOP AND CROSS-ZONED TO EXISTING FLOOR INITIATING ALARM ZONE. REFER TO FIRE ALARM RISER.
- 4 INDICATED LIGHTING WITHIN AREA TO BE CONNECTED TO EXISTING CORRIDOR LIGHTING AND LIGHTING CONTROLS.
- 5 INDICATES 10"x10" JUNCTION BOX WITHIN ACCESSIBLE CEILING SPACE COMPLETE WITH WIRE TERMINAL BLOCKS FOR RECONNECTING FIRE ALARM ZONES TO NEW FIRE ALARM CONTROL PANEL LOCATION.
- 6 WORK WITHIN INDICATED AREA IS TO BE CARRIED AS A CASH ALLOWANCE. REFER TO ARCHITECTURAL PACKAGE FOR CASH ALLOWANCE INFORMATION.
- 7 CONNECT INDICATED DEVICE TO LOCAL INITIATING CIRCUIT. ALL WIRING MUST BE SUPERVISED.
- 8 INDICATES FINAL LOCATION OF FIRE ALARM CONTROL PANEL TO BE RELOCATED FROM TEMPORARY DEMO AREA. COORDINATE INSTALLATION OF OLD/NEW PANEL WITH CONNECTION OF NEW ZONES.
- 9 INDICATES DIGITAL ROOM CONTROLLER(S) INSTALLED WITHIN ACCESSIBLE CEILING SPACE FOR CONTROL OF NOTED OCCUPANCY SENSOR(S). REFER TO LIGHTING CONTROL DETAILS.
- 10 INDICATED LIGHTING WITHIN AREA TO BE CONNECTED TO EXISTING CORRIDOR LIGHTING. REWORK CONTROLS TO SUIT NEW LAYOUT.
- 11 INDICATED DEVICE IS TO BE CEILING MOUNTED. PROVIDE ADEQUATE SUPPORT.
- 12 INDICATED LIGHTING WITHIN AREA TO BE CONNECTED TO EXISTING LIGHTING CIRCUIT MADE AVAILABLE DURING DEMOLITION. REWORK CONTROLS TO SUIT NEW LAYOUT.
- 13 RECONNECT DOOR OPERATOR AND ANY ASSOCIATED AUXILIARY DEVICES MADE AVAILABLE DURING DEMOLITION.
- 14 INDICATES NEW EMERGENCY BATTERY UNIT TO BE CONNECTED TO UNSWITCHED SIDE OF LOCAL LIGHTING CIRCUIT.
- 15 INDICATED MECHANICAL ITEM TO BE FED THROUGH CONDENSING UNIT. REFER TO EQUIPMENT WIRING SCHEDULE FOR ADDITIONAL INFORMATION. FEED WITH 3#12 T90 CU IN 21mmC.
- 16 CONNECT INDICATED DEVICE TO THE LOCAL SIGNAL CIRCUIT. ALL WIRING MUST BE SUPERVISED.
- 17 INDICATES 120V FEED TO STEP DOWN TRANSFORMER FOR AUTOMATIC PLUMBING FIXTURES. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH IN.

POWER DOOR OPERATOR PUSH BUTTONS SHALL BE LOCATED NOT LESS THAN 600mm AND NOT MORE THAN 1500mm BEYOND THE DOOR SWING WHERE THE DOOR OPENS TOWARDS THE CONTROL AS PER OBC DIV B, 3.8.3.3.(17)(d).

POWER DOOR OPERATORS SHALL BE INSTALLED AS PER OBC DIV B, 3.8.3.3.(17).

BUILDING INSPECTOR TO VERIFY IF ADDITIONAL EXIT SIGNS / EMERGENCY LIGHTING IS REQUIRED.

| REVISIONS | |
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| NO. | DATE |
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| B | 08/29/2023 |
| B | 09/11/2023 |

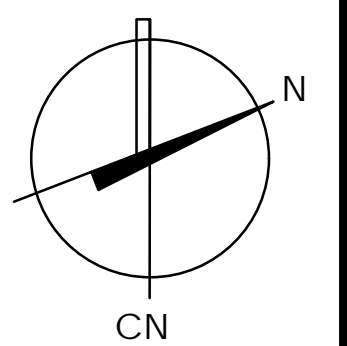
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CLIENT
WATERLOO REGION DISTRICT
SCHOOL BOARD, 51 ARDELT
AVENUE, KITCHENER, ONTARIO,
N2C 2R5

PROJECT:
22059
KING EDWARD PS ELEVATOR
ADDITION
709 KING STREET WEST,
KITCHENER, ON
N2G 1E3

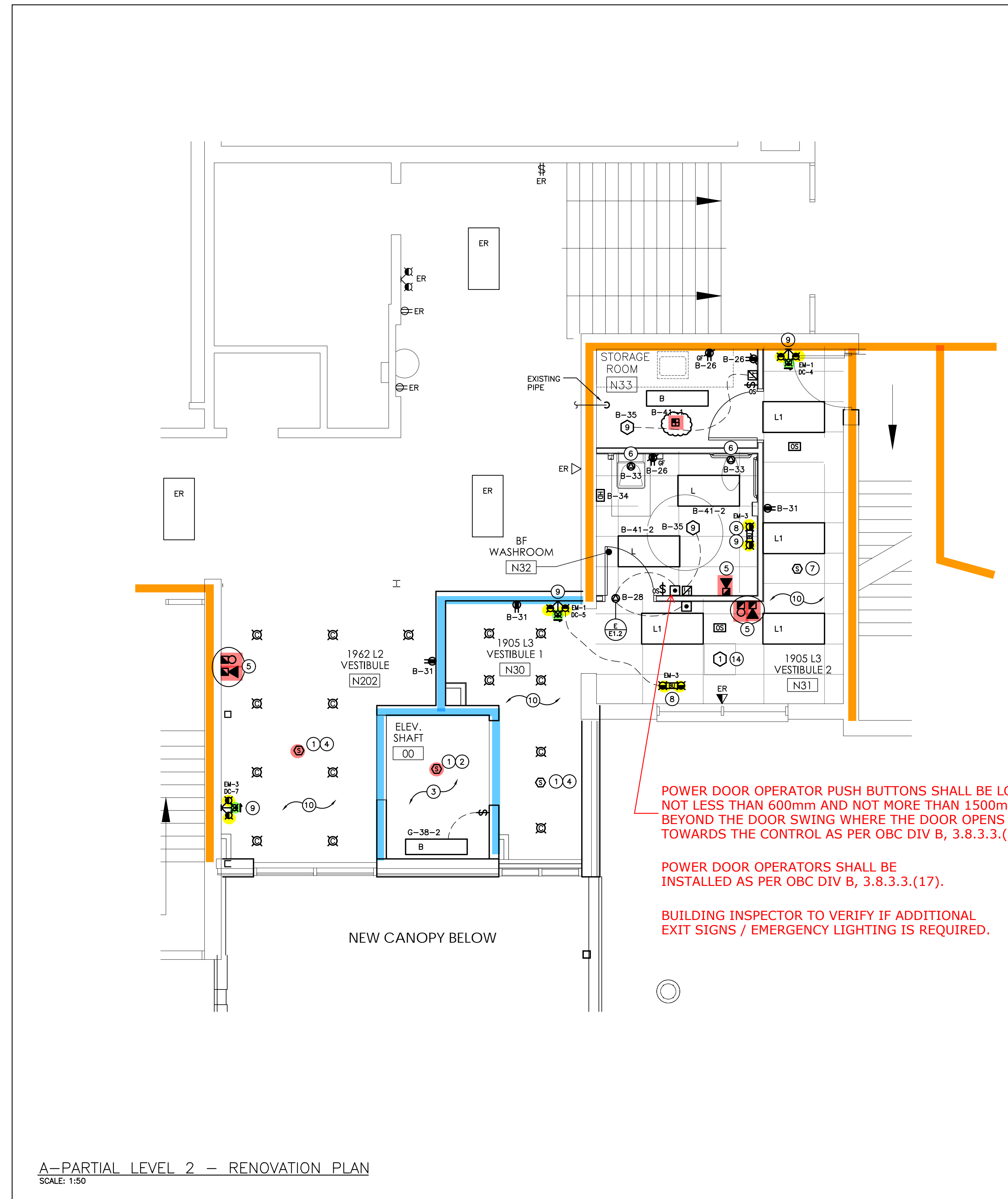
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RENOVATION PLANS



A-PARTIAL LEVEL 2 – RENOVATION PLAN
SCALE: 1:50

GENERAL RENOVATION NOTES

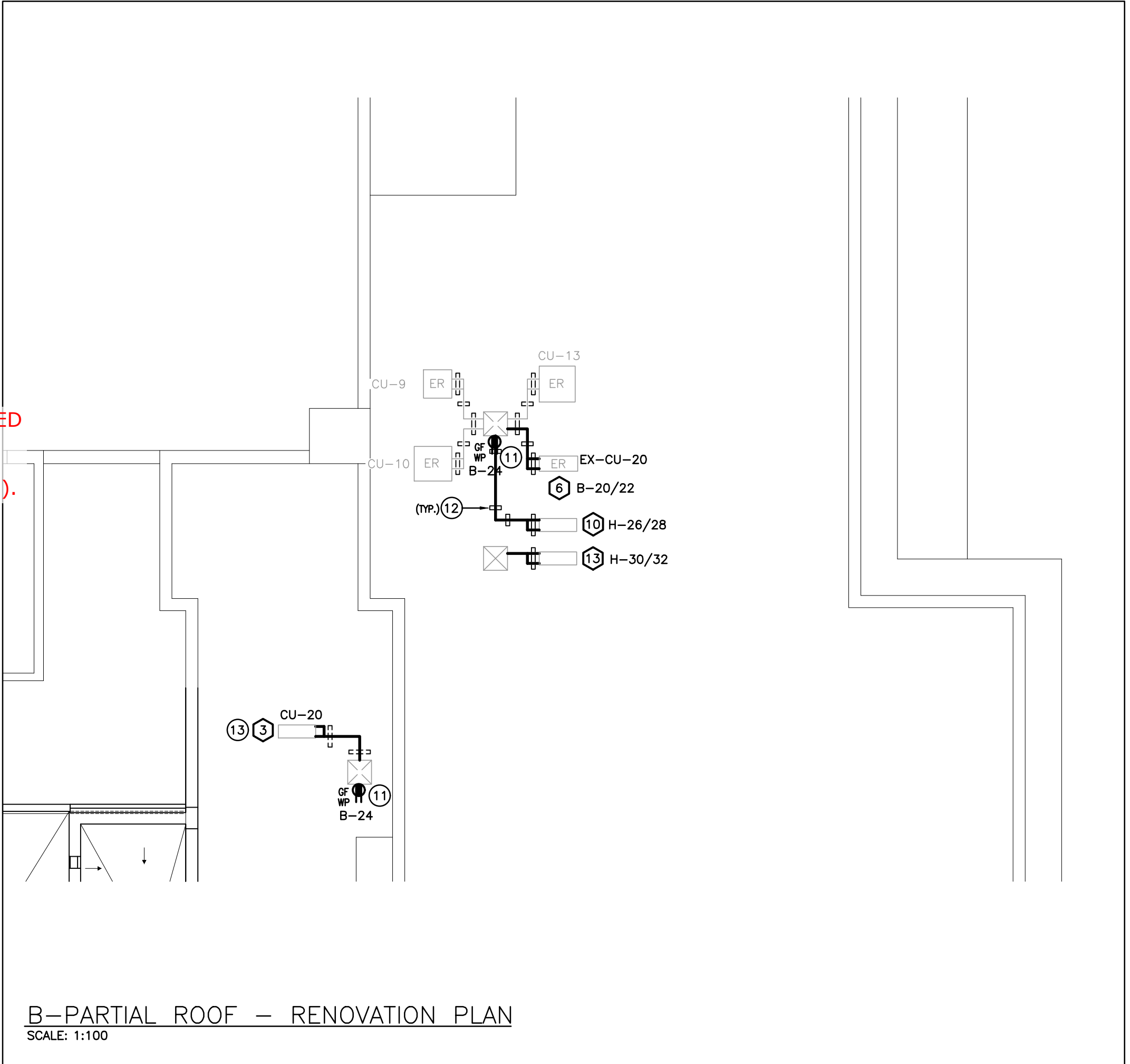
- 'ER' INDICATES EXISTING ITEM TO REMAIN.
- 'R' INDICATES EXISTING ITEM IN RELOCATED POSITION.
- ALL DEVICES SHOWN ARE NEW UNLESS OTHERWISE NOTED.
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS OTHERWISE NOTED.
- MAINTAIN SERVICE TO ALL EXISTING DEVICES TO REMAIN.
- REVISE PANEL DIRECTORIES TO SUIT CHANGES (TYPED).

ALL RECEPTACLES ARE TO BE TAMPERPROOF RESISTANT TYPE AS PER LATEST OESC 26-706.

INDICATES EXISTING WALL TO BE FISHED TO FEED INDICATED DEVICE. IF WALL CANNOT BE FISHED PROVIDE SURFACE MOUNT WIREMOLD 700 SERIES.

SPECIFIC RENOVATION NOTES

- THROUGH PROGRAMMING WHEN INDICATED DETECTOR IS IN ALARM, ASSOCIATED RELAY IN CONTROL PANEL IS TO CLOSE AND SEND SIGNAL TO ELEVATOR CONTROLLER.
- INDICATED SMOKE DETECTOR TO BE INSTALLED AT TOP OF SHAFT.
- INDICATED DEVICES TO BE INSTALLED IN ELEVATOR/LIFT SHAFT. COORDINATE WITH ELEVATOR SHOP DRAWINGS.
- INDICATES NEW FIRE ALARM INITIATING DEVICE IN ELEVATOR LOBBY CONNECTED TO NEW ADDRESSABLE LOOP AND CROSS-ZONED TO EXISTING FLOOR INITIATING ALARM ZONE. REFER TO FIRE ALARM RISER.
- CONNECT INDICATED DEVICE TO THE LOCAL SIGNAL CIRCUIT. ALL WIRING MUST BE SUPERVISED.
- INDICATES 120V FEED TO STEP-DOWN TRANSFORMER FOR AUTOMATIC PLUMBING FIXTURES. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH IN.
- CONNECT INDICATED DEVICE TO LOCAL INITIATING CIRCUIT. ALL WIRING MUST BE SUPERVISED.
- INDICATED DEVICE IS TO BE CEILING MOUNTED. PROVIDE ADEQUATE SUPPORT.
- INDICATES NEW EMERGENCY BATTERY UNIT TO BE CONNECTED TO UNSWITCHED SIDE OF LOCAL LIGHTING CIRCUIT.
- INDICATED LIGHTING WITHIN AREA TO BE CONNECTED TO EXISTING CORRIDOR LIGHTING. REWORK CONTROLS TO SUIT NEW LAYOUT.
- PROVIDE T-SLOT GROUND FAULT RECEPTACLE COMPLETE WITH "HEAVY DUTY IN-USE" WEATHER-PROOF COVER. COORDINATE PLACEMENT WITH MECHANICAL TRADE. INDICATED DEVICE IS TO BE MOUNTED ±36" (900mm) ABOVE FINISHED ROOF LEVEL. REFER TO DETAIL C/E1.2.
- INDICATES MECHANICAL ELECTRICAL FEEDERS TO CONDENSING UNIT. PROVIDE CONDUIT SUPPORT AS PER DETAIL D/E1.2.
- INDICATES REPLACEMENT HVAC EQUIPMENT WITH MATCHING ELECTRICAL REQUIREMENTS TO BE CONNECTED TO EXISTING FEEDER MADE AVAILABLE DURING DEMOLITION. EXTEND EXISTING FEEDER AS REQUIRED TO SUIT REPLACEMENT CONNECTION POINT. FOR THE PURPOSE OF BIDDING INCLUDE AN ADDITIONAL 2.0m OF 3#10 IN 21mmC AS WELL AS DISCONNECTING MEANS PER EQUIPMENT WIRING SCHEDULE.
- INDICATED MECHANICAL ITEM TO BE FED THROUGH CONDENSING UNIT. REFER TO EQUIPMENT WIRING SCHEDULE. FEED WITH 3#12 T90 CU IN 21mmC.



B-PARTIAL ROOF – RENOVATION PLAN
SCALE: 1:100

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| 7 | 06/23/2023 |
| 8 | 10/11/2023 |
| 9 | 11/01/2023 |
| A | 08/29/2023 |
| A | 09/11/2023 |

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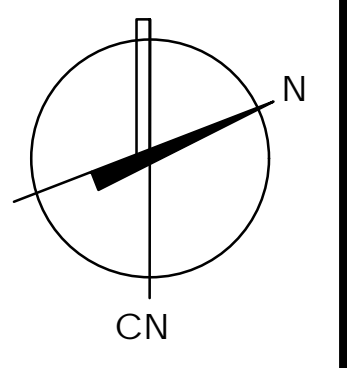
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CLIENT
WATERLOO REGION DISTRICT SCHOOL BOARD, 51 ARDELT AVENUE, KITCHENER, ONTARIO, N2C 2R5

PROJECT:
22059
KING EDWARD PS ELEVATOR ADDITION
709 KING STREET WEST, KITCHENER, ON N2G 1E3

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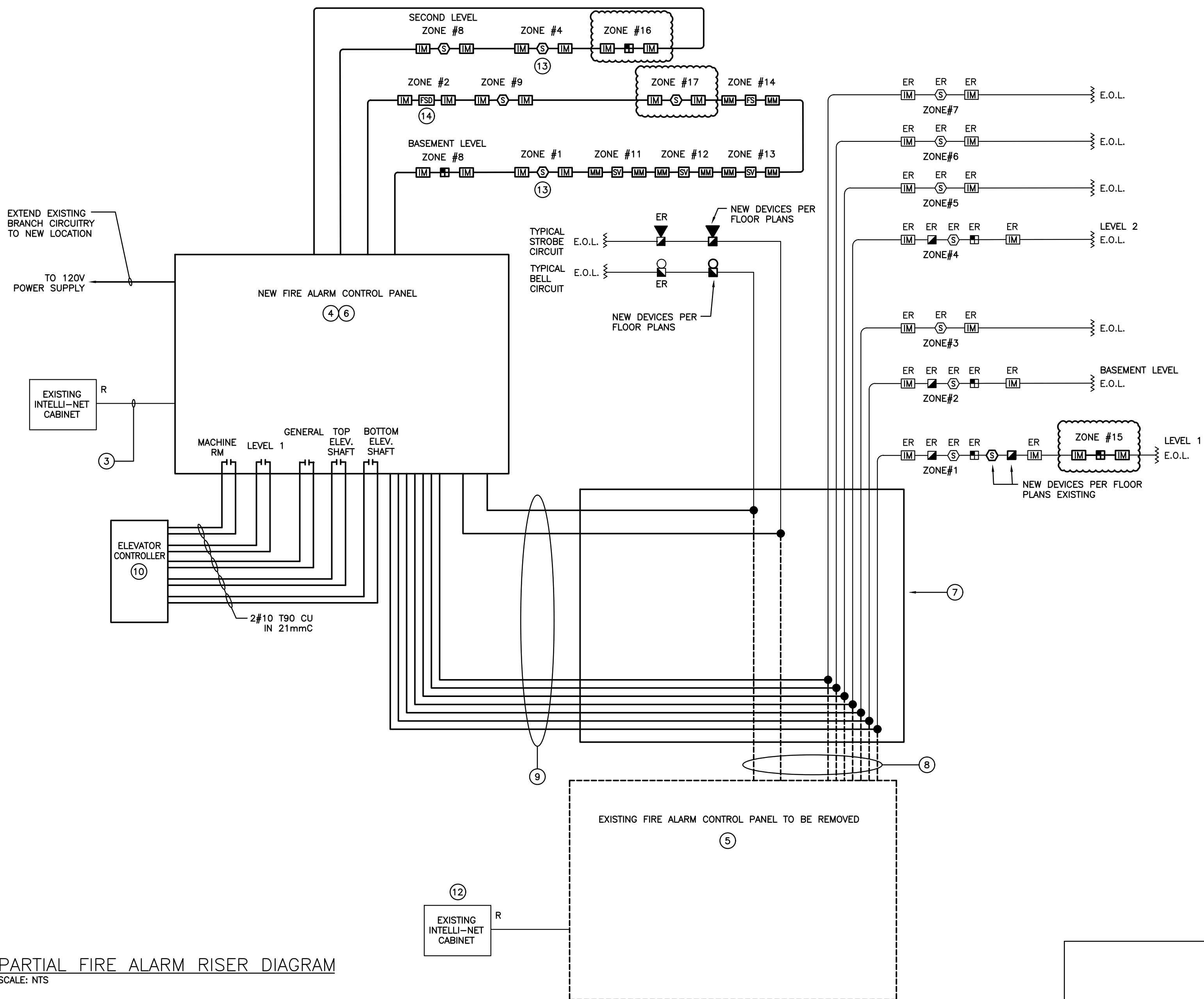


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All dimensions and measurements must be checked in whole with a building surveyor or a certified surveyor. The drawings are not to be duplicated or copied without the permission of the consultant.

RENOVATION PLANS



PARTIAL FIRE ALARM RISER DIAGRAM
SCALE: NTS

NOTES

- REFER TO FLOOR PLANS FOR EXACT LOCATION AND QUANTITIES OF DEVICES.
- CONTRACTOR IS TO CONFIRM WIRE SIZE (BASED UPON LENGTH OF CIRCUIT RUN AND QUANTITY OF SIGNALS) FOR SIGNAL CIRCUIT WITH MANUFACTURER.
- RECONNECT TO EXISTING INTELLI-NET CABINET (ULC MONITORING).
- PROVIDE WITHIN CONTROL PANEL ADDITIONAL CONTACTS FOR "FIRE ALARM SYSTEM TROUBLE" AND "FIRE ALARM SYSTEM ACTIVATED" CONDITION AND CO-ORDINATE WITH CONTROLS CONTRACTOR TO COMPLETE CONNECTION/INTERFACE OF THESE SYSTEMS.
- EXISTING CONVENTIONAL FIRE ALARM CONTROL PANEL SHALL BE DISCONNECTED AND REMOVED COMPLETE. ALL EXISTING INITIATING / SIGNAL WIRING IS TO REMAIN AND BE EXTENDED TO NEW LOCATION FOR RECONNECTION TO NEW HYBRID PANEL.
- CONTRACTOR IS RE-VERIFY ENTIRE ALARM SYSTEM. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- INDICATES NEW JUNCTION BOX C/W TERMINAL BLOCK FOR EXTENSION OF SIGNAL AND INITIATING CIRCUIT WIRING IN ACCESSIBLE LOCATION ABOVE DEMOLISHED CONTROL PANEL.
- EXISTING SIGNAL AND INITIATING DEVICE CIRCUITS TO BE DISCONNECTED AND TERMINATED IN ACCESSIBLE LOCATION FOR EXTENSION TO REPLACEMENT PANEL AS NOTED.
- INDICATES EXTENDED SIGNAL AND INITIATING CIRCUIT WIRING IN CONDUIT. CONFIRM WIRING REQUIREMENTS WITH MANUFACTURER.
- CONTACTS WITHIN THE CONTROLLER WILL BE PROVIDED BY THE ELEVATOR SUPPLIER. COORDINATE AND CONNECT ACCORDINGLY.
- CONTRACTOR TO INCLUDE FOR UPDATES TO EXISTING PASSIVE GRAPHIC.
- INDICATED EXISTING INTELLI-NET CABINET TO BE DISCONNECTED AND THEN RECONNECTED TO NEW FIRE ALARM CONTROL PANEL.
- INDICATES NEW ADDRESSABLE DEVICE ON NEW ADDRESSABLE LOOP TO BE CROSS-ZONED TO RESPECTIVE EXISTING FLOOR GENERAL ZONE. DEVICES TO INITIATE ELEVATOR RECALL VIA ASSOCIATED RELAY IN REPLACEMENT CONTROL PANEL.
- INDICATES 120V POWER AND FIRE ALARM CONNECTIONS TO SMOKE/FIRE DAMPER WITH INTEGRAL SMOKE DETECTOR. REFER TO FIRE ALARM SPECIFICATIONS. COORDINATE EXACT LOCATION/CONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR. SMOKE/FIRE DAMPER AND ASSOCIATED INTEGRAL SMOKE DETECTOR TO BE PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. PROVIDE MONITORING MODULE(S) PER SMOKE/FIRE DAMPER TO 120V POWER SUPPLY CONNECTION TO THE DAMPER ACTUATOR, AND INTEGRAL SMOKE DETECTOR ALARM AS SIGNAL. A TROUBLE CONDITION SHALL BE ACTIVATED DUE TO THE LOSS OF AC POWER AT THE MAIN CONTROL PANEL, CONSISTING OF AUDIBLE AND VISUAL TROUBLE SIGNAL UNTIL ACKNOWLEDGED BY OPERATOR.

ALL EXISTING ZONES ARE NOT SHOWN ON RISER. CONFIRM WITH MANUFACTURER AND PREVIOUS ANNUAL REPORT. OBTAIN COPY OF EXISTING GRAPHIC. SUBMIT SHOP DRAWING. INCLUDE FOR INTEGRATED LIFE SAFETY TESTING PER SPECIFICATIONS.

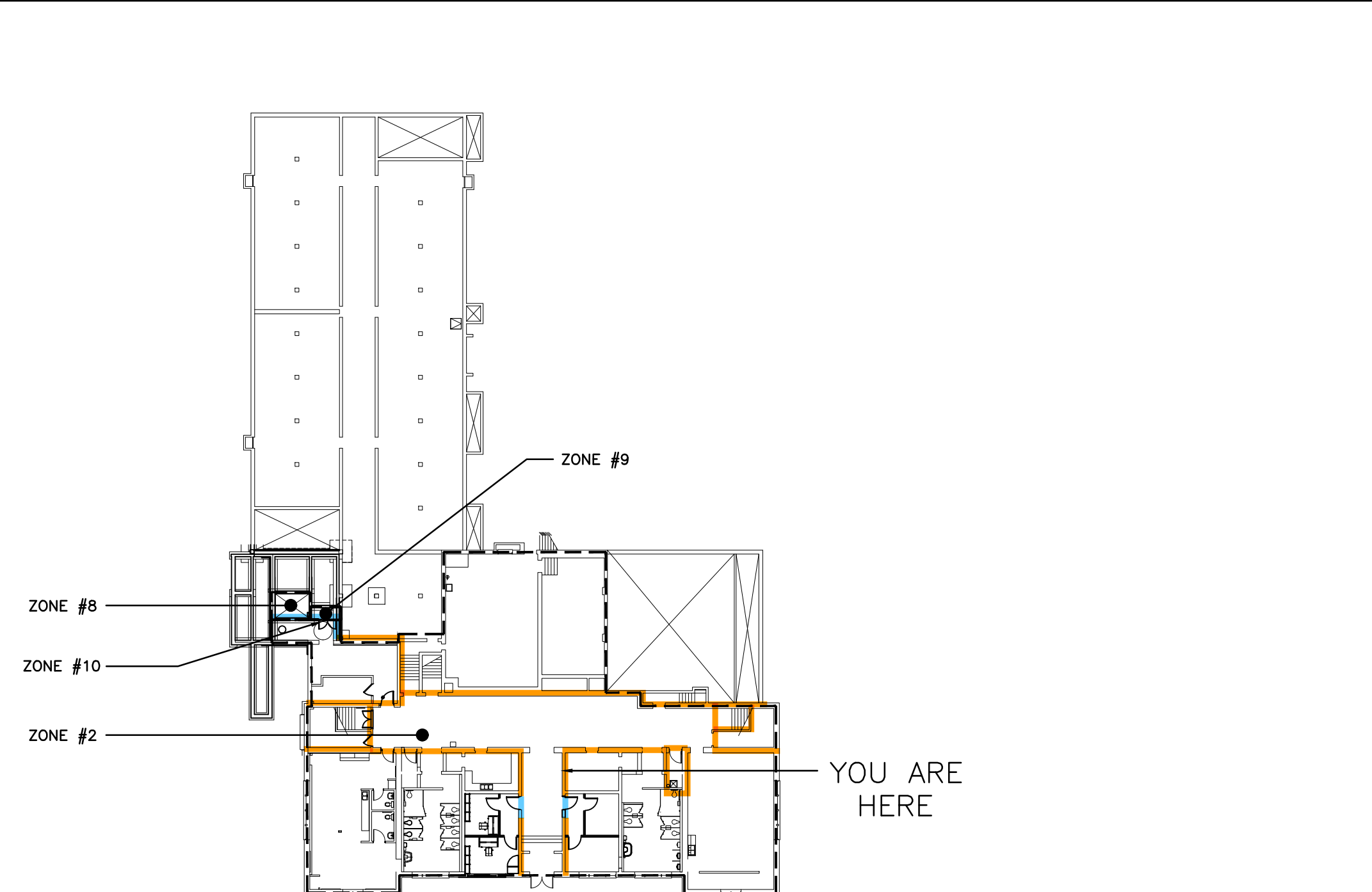
APPROVED VENDOR FOR EDWARDS FIRE ALARM SYSTEM IS TROY LIFE & FIRE SAFETY LIMITED. REFER TO ELECTRICAL SPECIFICATIONS FOR CONTACT INFORMATION.

PHASING OF FIRE ALARM SYSTEMS

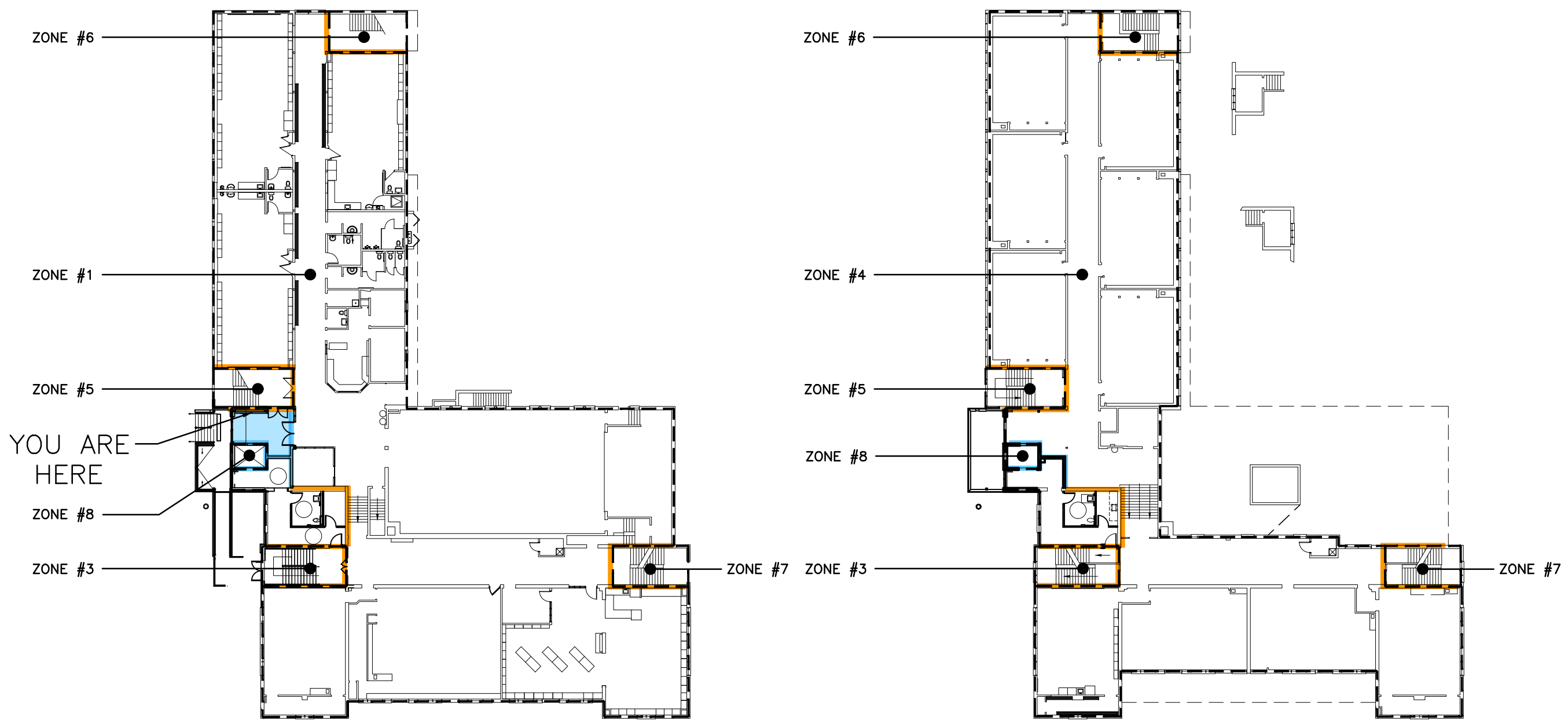
THE EXISTING FIRE ALARM SYSTEM MUST REMAIN IN OPERATION THROUGHOUT CONSTRUCTION OF THE NEW SYSTEM. CONTRACTOR SHALL INSTALL NEW WIRING FOR ALL REPLACEMENT DEVICES TO ACCESSIBLE LOCATION FOR FINAL SWITCHOVER TO NEW DEVICE UPON REMOVAL OF EXISTING. PERFORM VERIFICATION IN STAGES WHICH WILL ALLOW FOR MINIMAL DOWNTIME DURING SWITCHOVER. INCLUDE FOR MULTIPLE VERIFICATIONS AS NECESSARY. FIRE WATCH SHALL BE PROVIDED WHENEVER PROTECTION IS NOT ABLE TO BE MAINTAINED. INCLUDE IN CONTRACT FOR INTERCONNECTION BETWEEN THE NEW AND EXISTING SYSTEMS DURING SWITCHOVER. MAINTAIN EXISTING MONITORING UNTIL SUCH TIME AS NEW MONITORING IS IN PLACE. THE CONTRACTOR IS TO INCLUDE IN THE TENDER THE PROVISION AND INSTALLATION OF ADDITIONAL FIRE ALARM DEVICES NOT INDICATED ON THIS DRAWING. REFER TO SPECIFICATIONS.

FIRE ALARM ANNUNCIATOR SCHEDULE

| Zone | Description | Alarm | Supervisory | Existing | New | Zone | Description | Alarm | Supervisory | Existing |
|------|------------------------------|-------|-------------|----------|-----|------|------------------------------|-------|-------------|----------|
| 1 | 1ST FLOOR | | | | | 11 | LEVEL 1 SUPERVISED VALVE | | | |
| 2 | BASEMENT | | | | | 12 | LEVEL 1B/2A SUPERVISED VALVE | | | |
| 3 | STAIR #4 | | | | | 13 | LEVEL 2 SUPERVISED VALVE | | | |
| 4 | 2ND FLOOR AND UPPER FAN ROOM | | | | | 14 | MAN. FLOW SWITCH | | | |
| 5 | STAIR #1 | | | | | 15 | STORAGE ROOM N22 | | | |
| 6 | STAIR #2 | | | | | 16 | STORAGE ROOM N33 | | | |
| 7 | STAIR #3 | | | | | 17 | ELECTRICAL ROOM X42 | | | |
| 8 | ELEVATOR SHAFT | | | | | 18 | SPACE | | | |
| 9 | ELEVATOR MACHINE ROOM | | | | | 19 | SPACE | | | |
| 10 | SPACE | | | | | 20 | SPACE | | | |
| NAC1 | BELL CCT 1 | | | | | | | | | |
| NAC2 | BELL CCT 2 | | | | | | | | | |
| NAC3 | BOOSTER PANEL | | | | | | | | | |
| NAC4 | SPACE | | | | | | | | | |



BASEMENT/LEVEL 1
SCALE: NTS



LEVEL 1B/2A
SCALE: NTS

REFERENCE ZONE LAYOUT

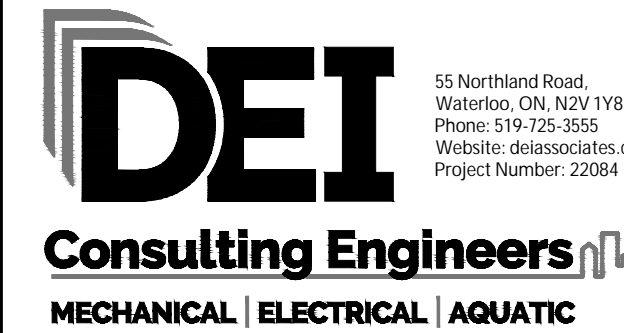
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| 2 | 09/08/2022 | COORDINATION SET |
| 3 | 11/24/2022 | COORDINATION SET |
| 4 | 01/13/2023 | COORDINATION SET |
| 5 | 02/02/2023 | ISSUED FOR PERMIT |
| 6 | 04/04/2023 | ISSUED FOR TENDER |
| 7 | 06/23/2023 | ISSUED FOR DEMO PERMIT |
| 8 | 10/11/2023 | ISSUED FOR BUILDING PERMIT |
| 9 | 11/01/2023 | RE-ISSUED FOR BUILDING PERMIT |
| A | 10/03/2023 | ISSUED FOR CHANGE NOTICE |

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