



250 ROWNTREE DAIRY RD, WOODBRIDGE, ON
TEL: 905-507-0900
WEB: WWW.QUASARGROUP.COM

YORK REGIONAL POLICE HELICOPTER HANGAR

350 GARFIELD WRIGHT
BOULEVARD
TOWN OF EAST GWILLIMBURY

Key
Plan

NO.	ISSUED	DATE
5	ISSUED FOR ADDENDUM 3	2024-09-23
4	ISSUED FOR ADDENDUM 1	2024-09-16
3	ISSUED FOR TENDER	2024-09-09
2	ISSUED FOR SITE PLAN APPROVAL	2024-08-16
1	ISSUED FOR BUILDING PERMIT	2024-07-31

Issues

All measurements are to be checked and verified on site by the contractor before proceeding with work

Do not scale drawings

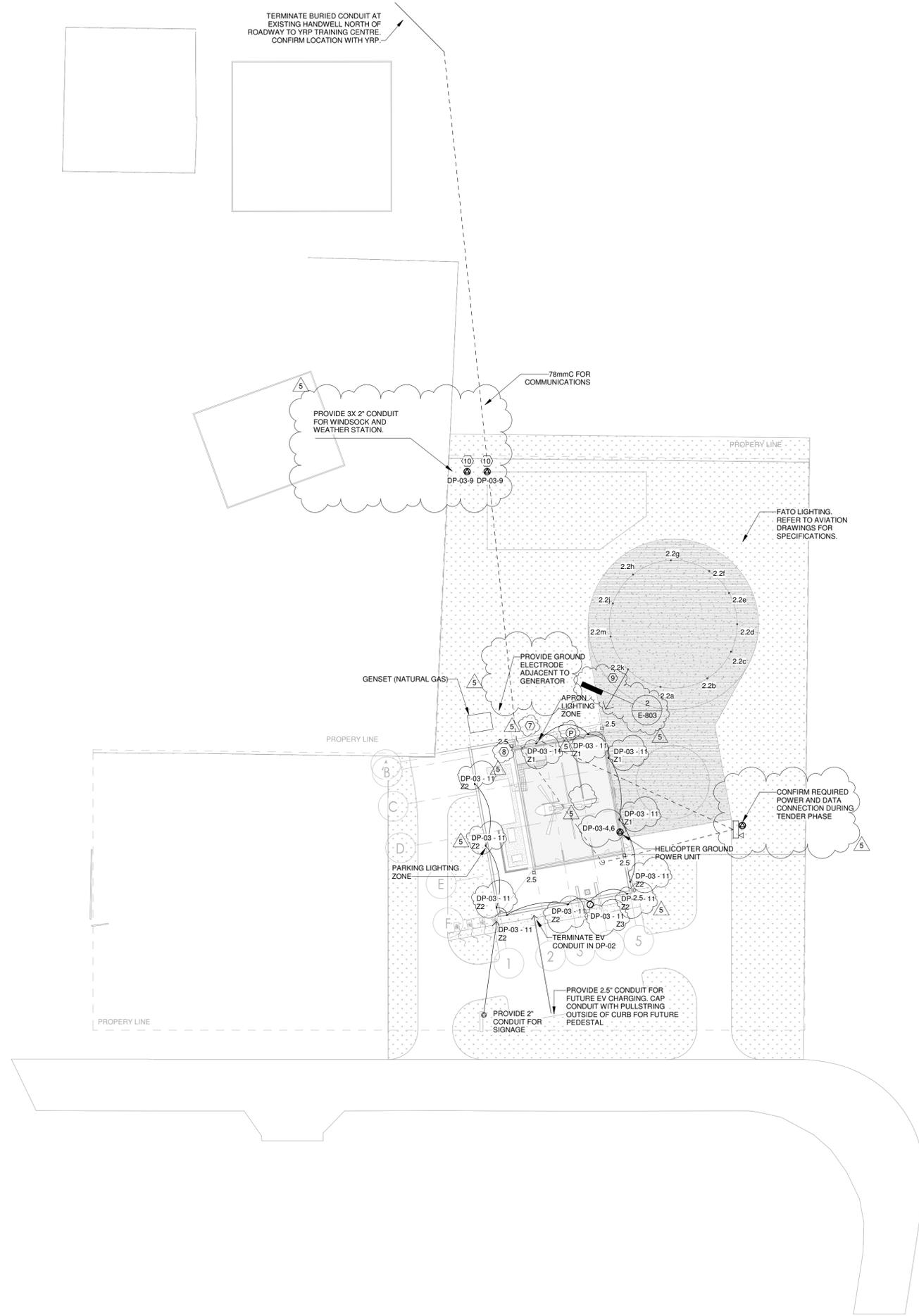
Drawn by: ZK
Checked by: AO
Original Issue Date: 2024-07-31
Project No: TT-24-005
Scale: As indicated

Sheet
Title:
ELECTRICAL SITE PLAN

Drawing
No:
E-100

GENERAL NOTES

- WHERE DIMENSIONS ARE PROVIDED IN METRIC AND IN IMPERIAL UNITS, METRIC DIMENSIONS GOVERN.
- EMERGENCY POWER FOR LIGHTING AND FIRE ALARM: MINIMUM 30 MINUTES (2012 OBC 3.2.7.4.(1)(b)(iv) "30 MIN FOR ANY OTHER BUILDING").
- FIRE ALARM INSTALLATION IN ACCORDANCE WITH CANULC-S524-14.
- VERIFY FIRE ALARM SYSTEM IN ACCORDANCE WITH CANULC-S537-13.
- COMMISSION INTERCONNECTED LIFE SAFETY SYSTEMS IN ACCORDANCE WITH CANULC-S1001-11.
- PROVIDE SEISMIC RESTRAINTS IN ACCORDANCE WITH SECTION 26 05 46. THIS IS A POST-DISASTER BUILDING. SEISMIC RESTRAINTS ARE REQUIRED PER 2012 OBC 4.1.8.16 (1) AND ARE NOT EXEMPT PER 2012 OBC 4.1.8.16 (2).
- AVIATION OBSTRUCTION LIGHTS. FED FROM PANEL DP-02-42.
- FATO LIGHTS ARE FED FROM HELIPORT LIGHTING CONTROLLER. PROVIDE 5/C-12AWG+BND.
- COORDINATE FINAL LOCATION OF EQUIPMENT WITH ARCHITECT PRIOR TO INSTALLATION.
- REFER TO AVIATION DRAWINGS FOR DETAILS OF AVIATION RELATED EQUIPMENT TO BE PROVIDED BY ELECTRICAL CONTRACTOR.



TERMINATE BURIED CONDUIT AT EXISTING HANDWELL NORTH OF ROADWAY TO YRP TRAINING CENTRE. CONFIRM LOCATION WITH YRP.

PROVIDE 3X 2" CONDUIT FOR WINDSOCK AND WEATHER STATION.

78mmC FOR COMMUNICATIONS

FATO LIGHTING. REFER TO AVIATION DRAWINGS FOR SPECIFICATIONS.

PROVIDE GROUND ELECTRODE ADJACENT TO GENERATOR

CONFIRM REQUIRED POWER AND DATA CONNECTION DURING TENDER PHASE

PARKING LIGHTING ZONE

HELICOPTER GROUND POWER UNIT

PROVIDE 2" CONDUIT FOR SIGNAGE

PROVIDE 2.5" CONDUIT FOR FUTURE EV CHARGING. CAP CONDUIT WITH PULLSTRING OUTSIDE OF CURB FOR FUTURE PEDESTAL



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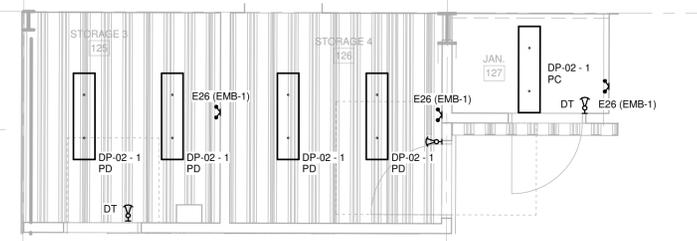
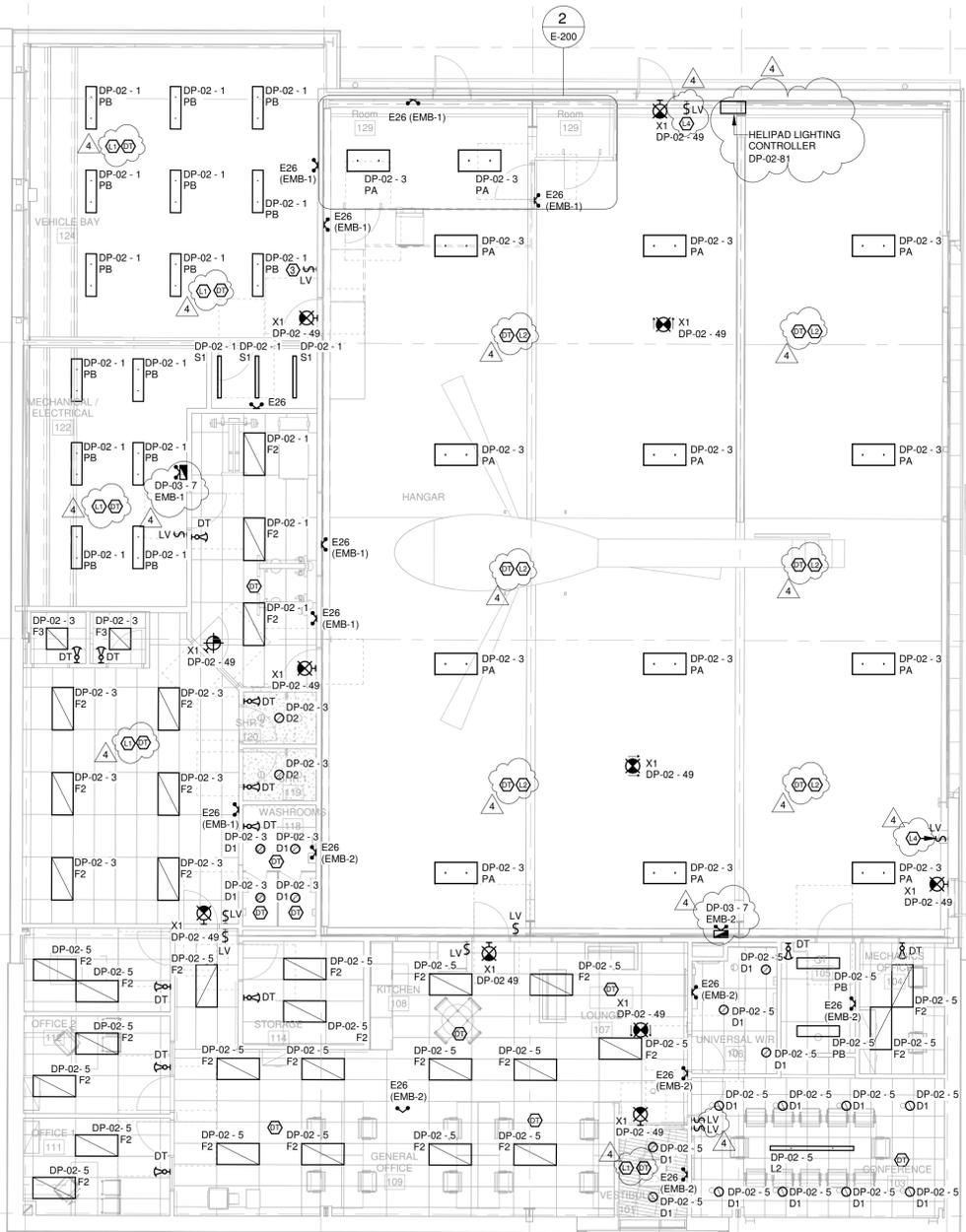
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KEYNOTE LEGEND	
Key Value	Keynote Text
L1	COMBINATION OF ULTRASONIC (US) AND PASSIVE INFRARED (PIR) TECHNOLOGIES.
L2	WIRELESS HIGH MOUNT SENSOR FOR OCCUPANCY SENSING AND DAYLIGHT HARVESTING.
L4	DIGITAL SWITCH. APRON LIGHTING OVERRIDE CONTROL. MOUNT ADJACENT TO HELIPAD LIGHTING CONTROLLER.

GENERAL NOTES:
1. REFER TO POWER AND SIGNALS DRAWINGS FOR SWITCHED RECEPTACLES.



2 LIGHTING PLAN - GROUND FLOOR
SCALE: 1 : 50

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LIGHTING NEW WORK -
GROUND FLOOR

Drawing
No.
E-200



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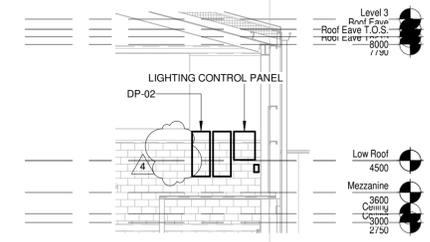
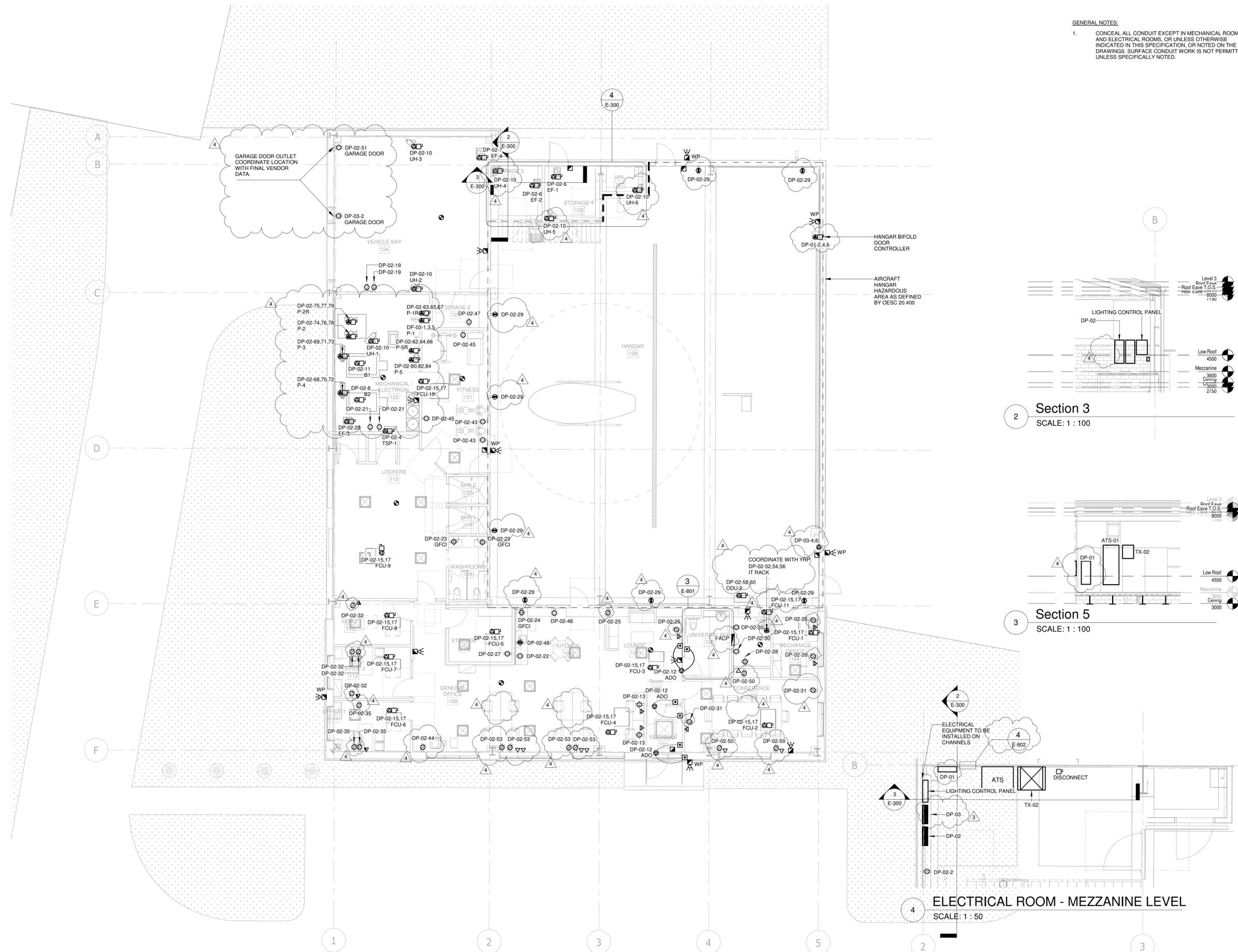
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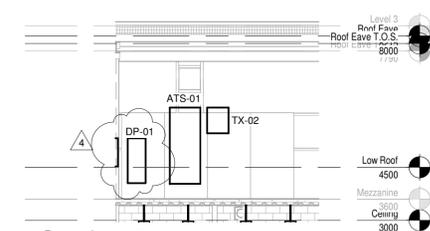
Key
Plan

GENERAL NOTES:

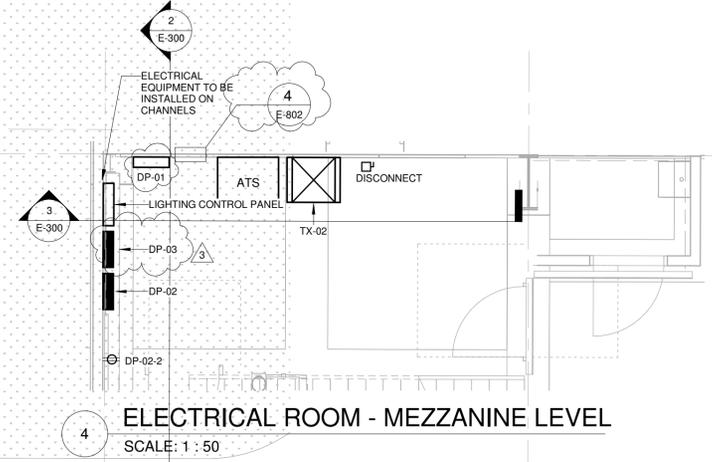
1. CONCEAL ALL CONDUIT EXCEPT IN MECHANICAL ROOMS AND ELECTRICAL ROOMS, OR UNLESS OTHERWISE INDICATED IN THIS SPECIFICATION, OR NOTED ON THE DRAWINGS. SURFACE CONDUIT WORK IS NOT PERMITTED UNLESS SPECIFICALLY NOTED.



2 Section 3
SCALE: 1 : 100



3 Section 5
SCALE: 1 : 100



4 ELECTRICAL ROOM - MEZZANINE LEVEL
SCALE: 1 : 50

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Sheet
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**POWER AND SYSTEMS
 NEW WORK - GROUND
 FLOOR**

Drawing
 No.
E-300



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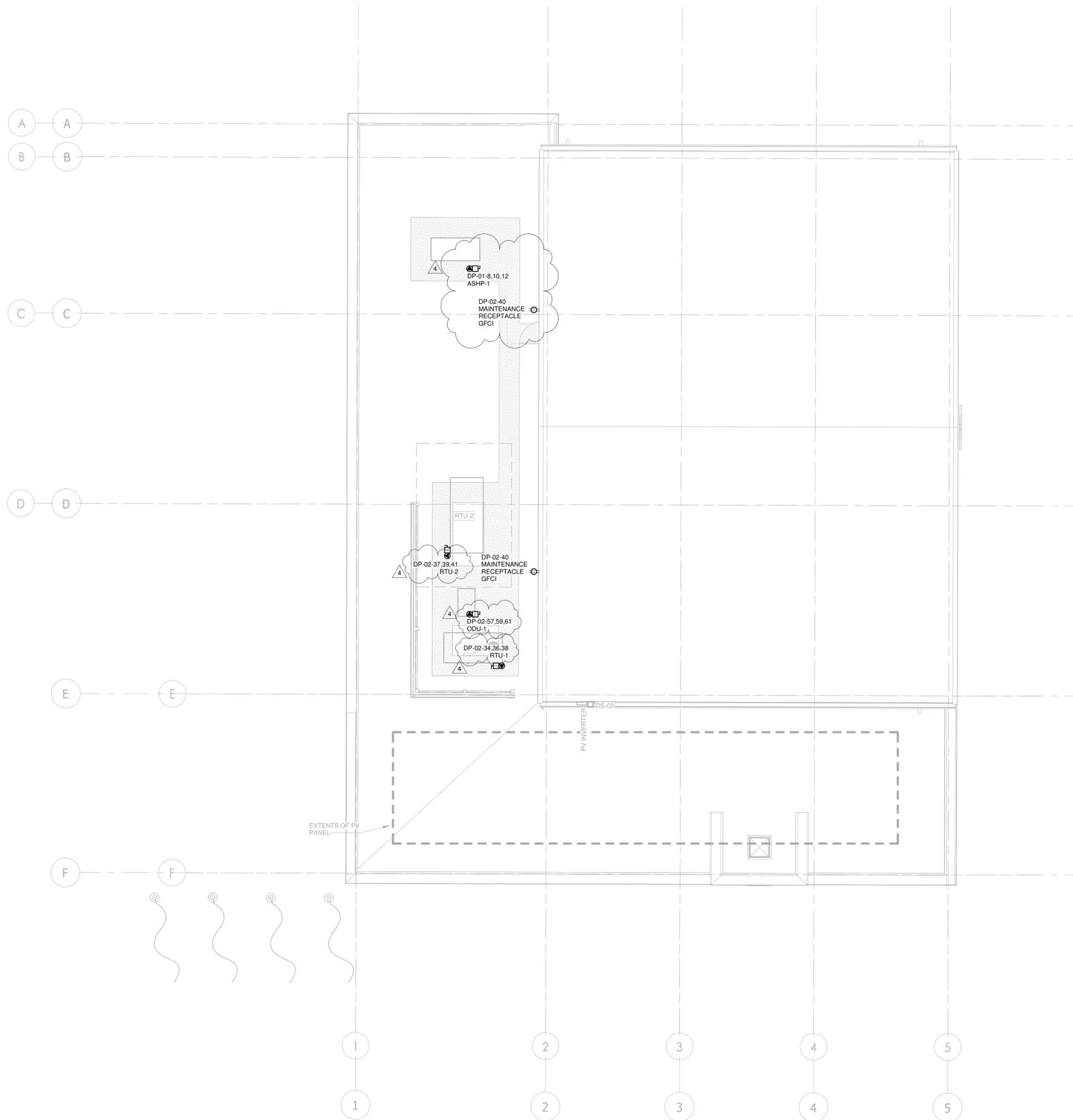
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Sheet
Title:
**POWER AND SYSTEMS
NEW WORK - ROOF
PLAN**

Drawing
No:
E-301





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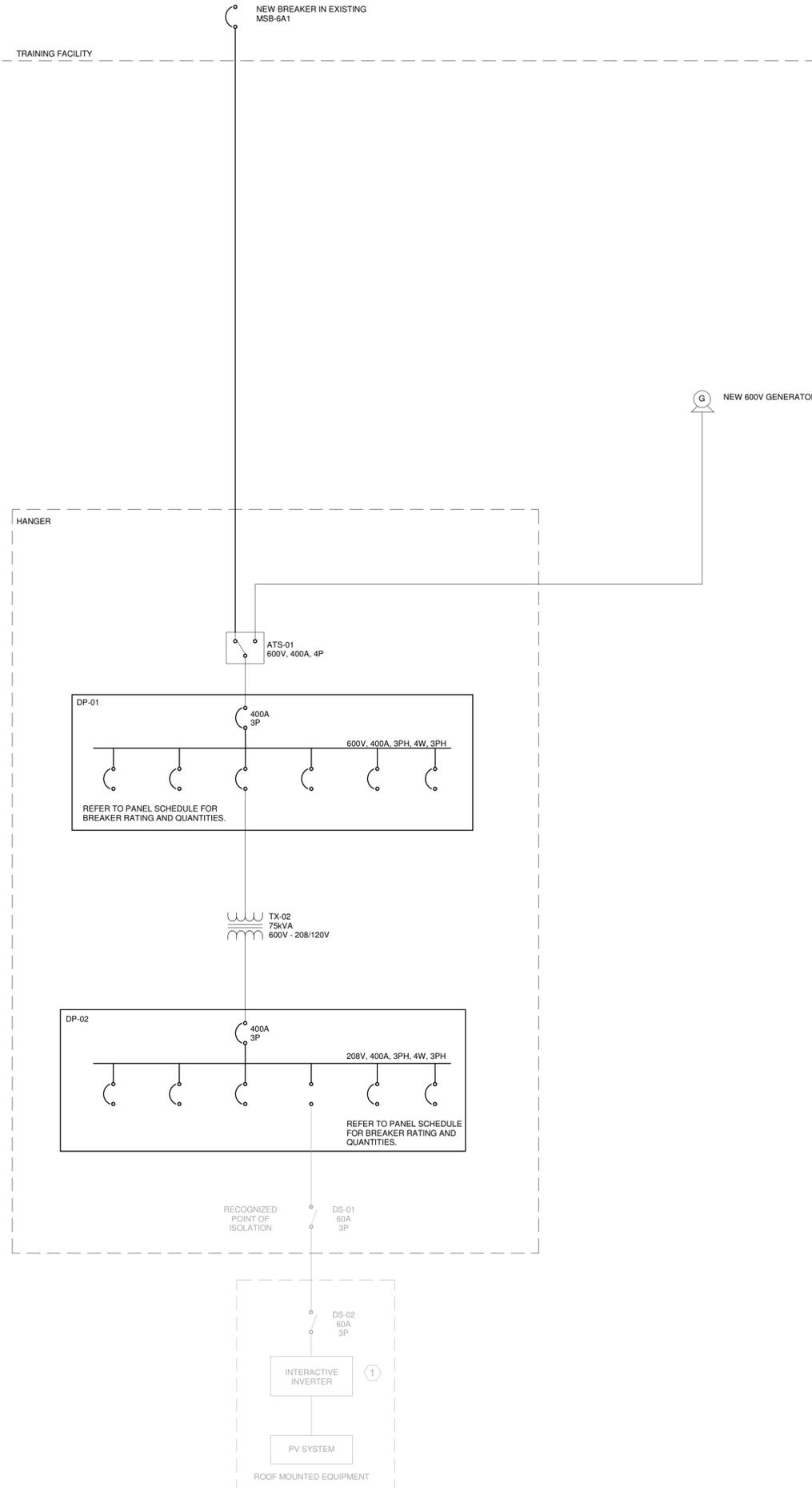
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Sheet
Title:
**ELECTRICAL SINGLE
LINE DIAGRAM**

Drawing
No:
E-700



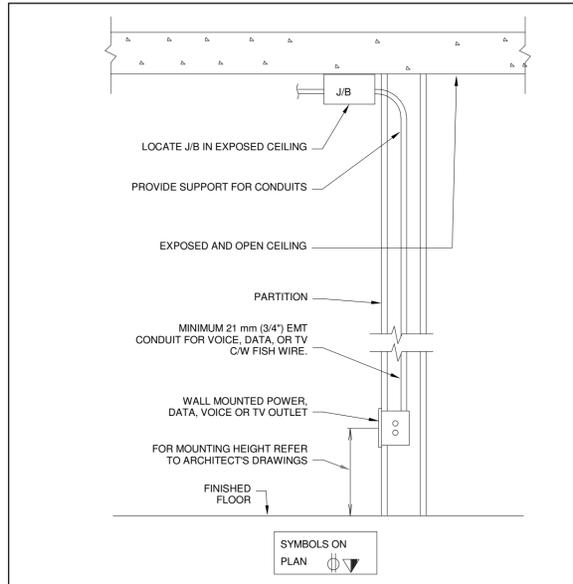


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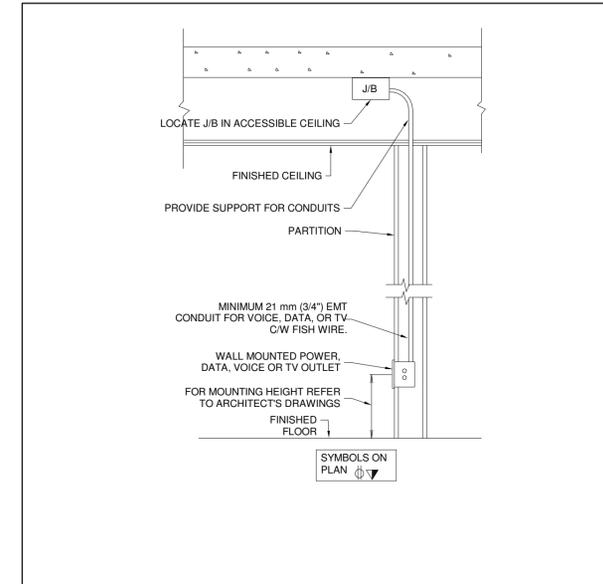
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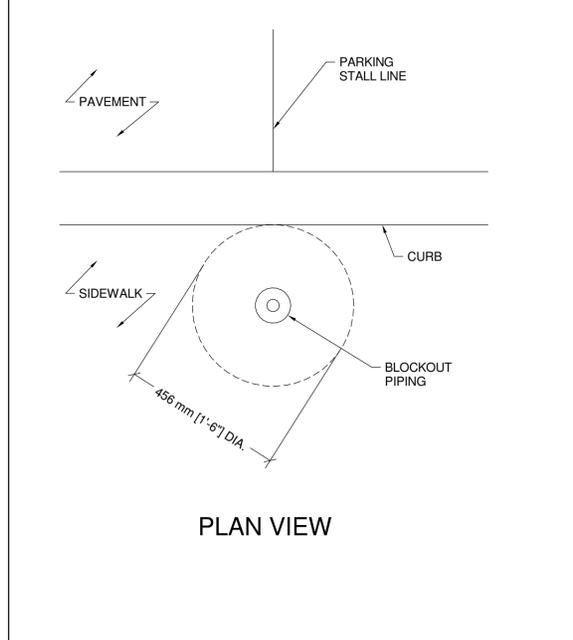
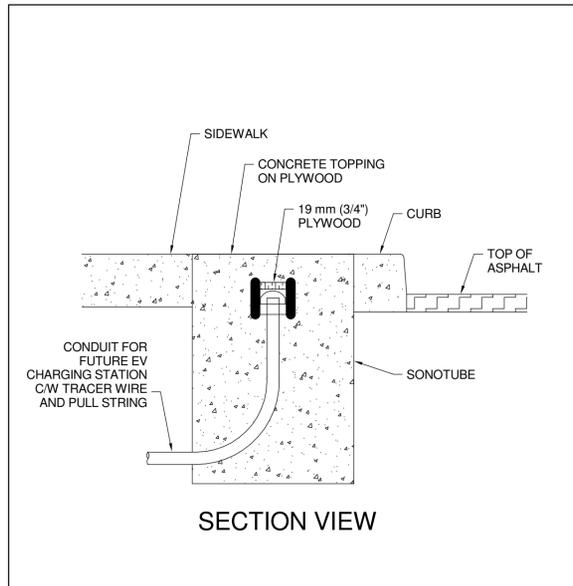
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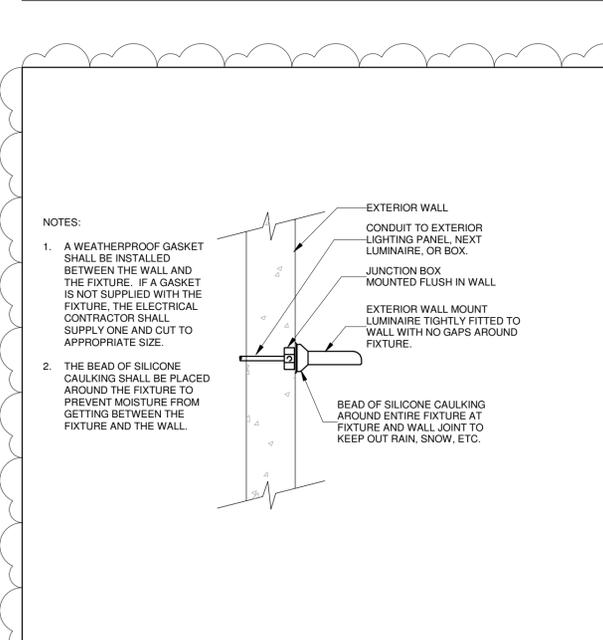
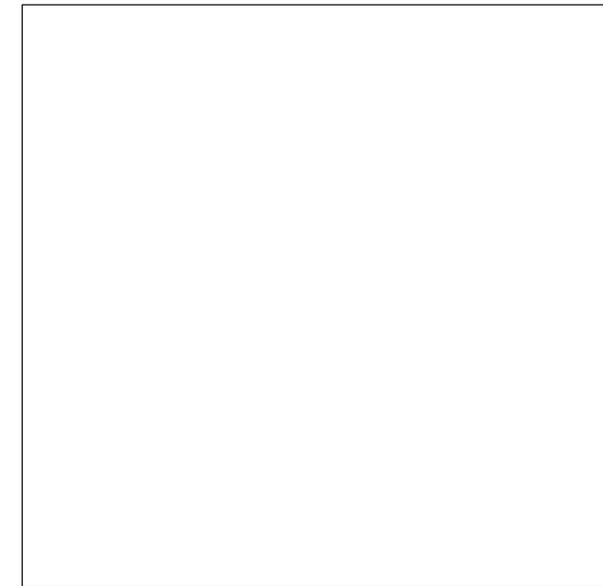
4 Wall Mounted Outlet Box Wall Recessed
SCALE:N.T.S.



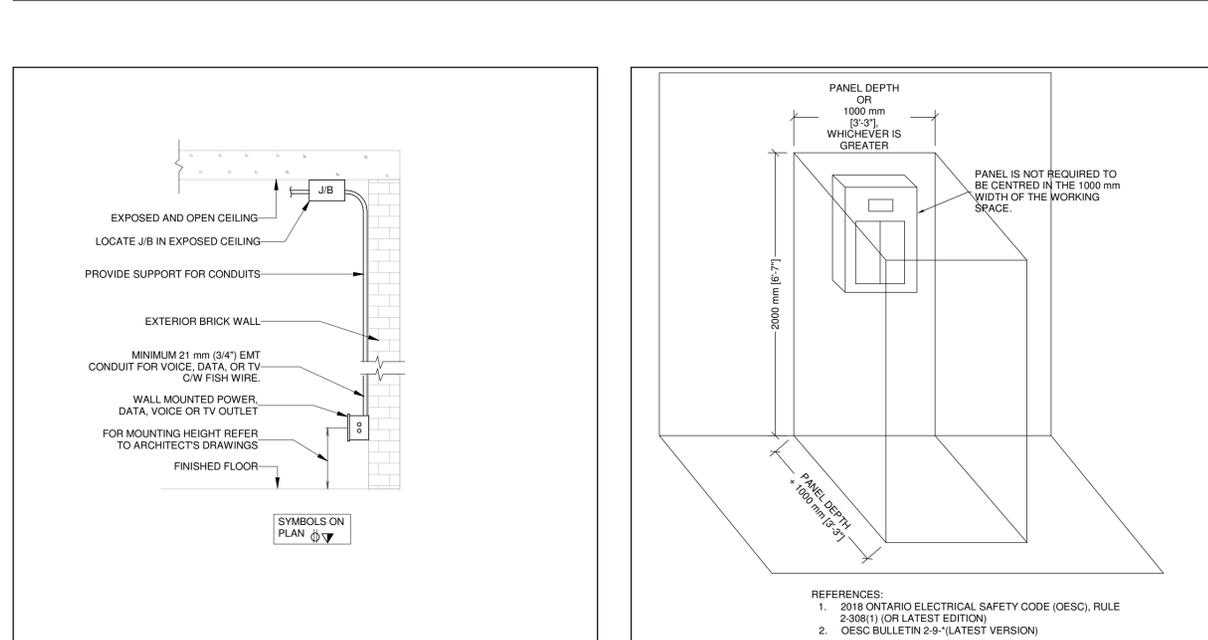
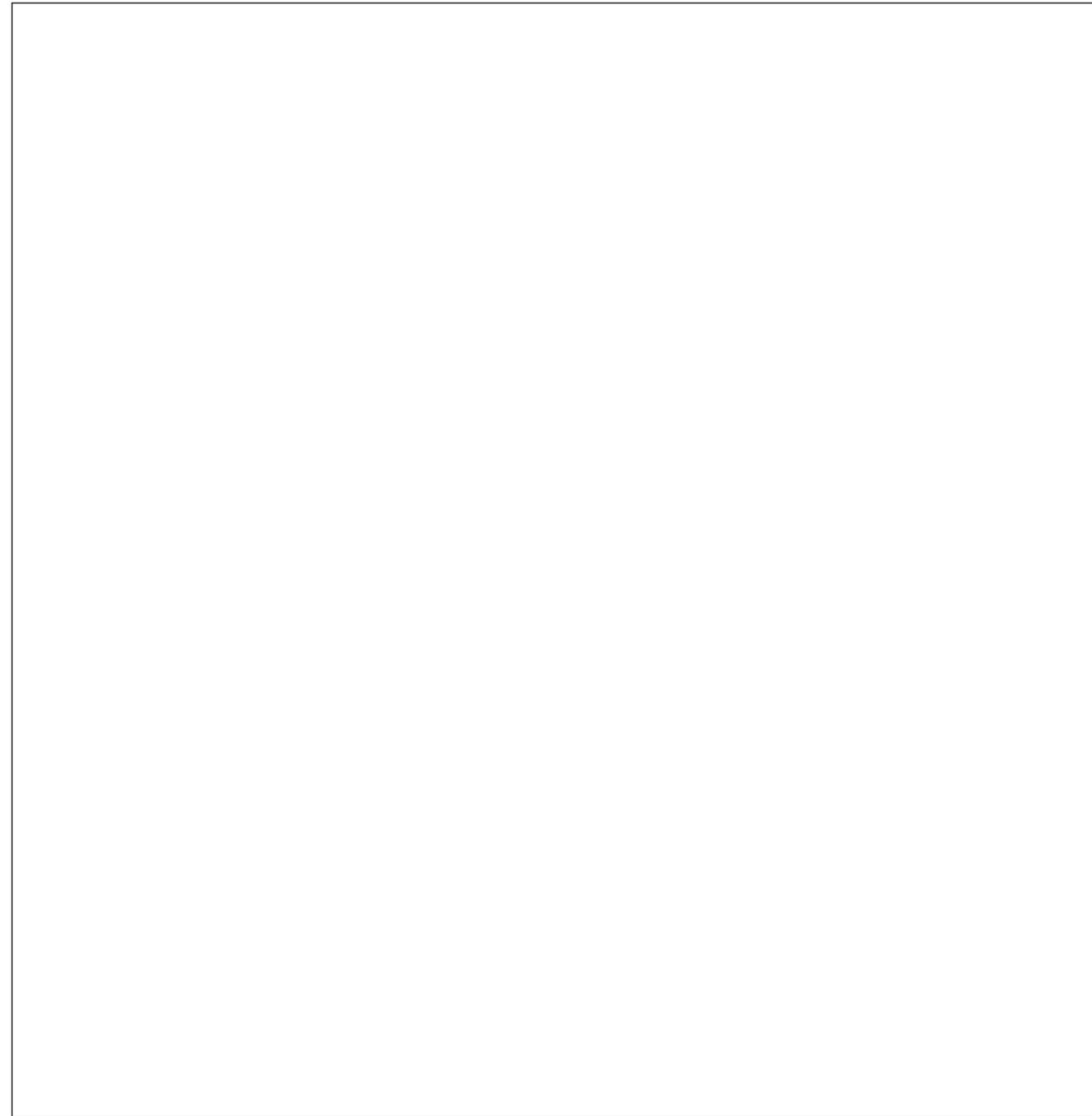
2 Wall Mounted Outlet Box Wall Recessed Ceiling
SCALE:N.T.S.



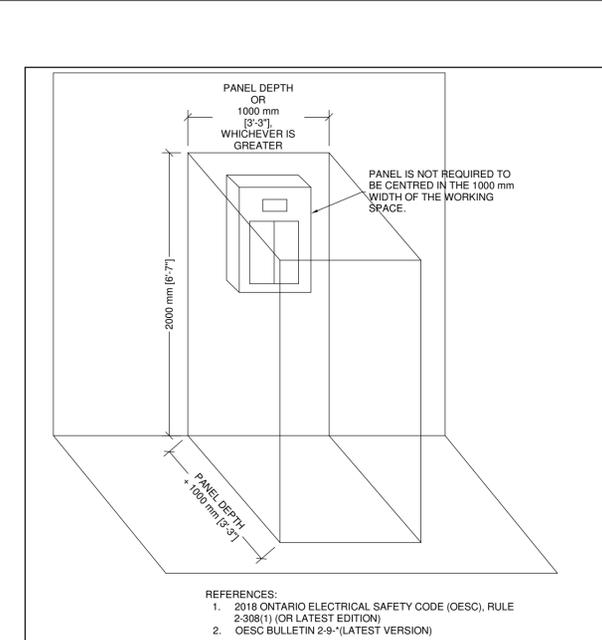
1 Future EV Charging Station Pedestal Rough-In
SCALE: 1 : 10



7 Sealing of Wall Mounted Exterior Luminaires
SCALE:N.T.S.



6 WALL MOUNTED OUTLET BOX (SURFACE)
SCALE:N.T.S.



5 CLEAR SPACE AROUND PANELBOARDS
SCALE:N.T.S.

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ELECTRICAL DETAILS

Drawing
No:
E-800



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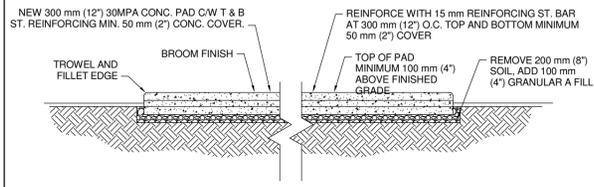
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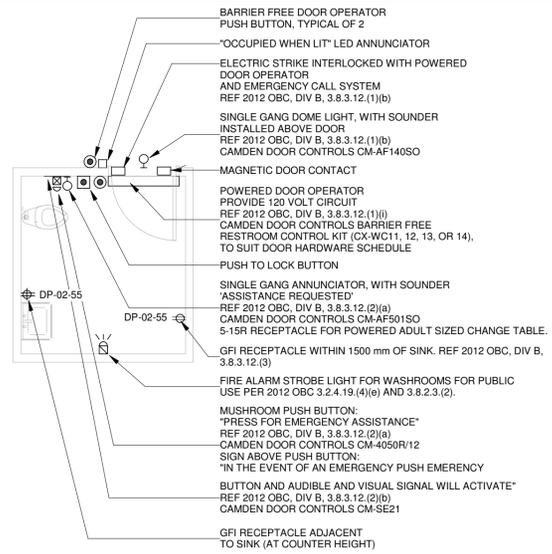
Sheet
Title:
ELECTRICAL DETAILS

Drawing
No:
E-801



4 Cast-In-Place Concrete Generator Pad

SCALE: 1" = 50'



UNIVERSAL RESTROOM "EMERGENCY ASSISTANCE" SIGNAL ACTIVATION, ANNUNCIATION AND SUPPORTING SIGNAGE SHALL BE CAMDEN DOOR CONTROLS MODEL CX-WEC10/CX-WEC-11 UNIVERSAL RESTROOM CONTROL KIT.

KIT SHALL INCLUDE:

- CM-4050R/12 SINGLE GANG MUSHROOM PUSH BUTTON, 1/4" THICK BRUSHED ALUMINUM FACEPLATE AND RED BUTTON, MAINTAINED PUSH/PULL OPERATION WITH "PRESS FOR EMERGENCY ASSISTANCE" PERMANENTLY LASER ETCHED ON THE FACEPLATE.
- CM-AF50SO SINGLE GANG LED ANNUNCIATOR WITH SOUNDER, RATED 85 dB AT 100 mm, WEATHER AND VANDAL RESISTANT CONSTRUCTION, BRUSHED STAINLESS STEEL FACEPLATE, WITH "ASSISTANCE REQUIRED" MESSAGE TEXT, THAT IS NOT LEGIBLE UNLESS THE ANNUNCIATOR IS ENERGIZED.
- CM-AF140SO SINGLE GANG DOME LIGHT WITH PIEZO SOUNDER, RATED 93 dB AT 1 METRE, BRUSHED STAINLESS STEEL FACEPLATE AND 24 V INCANDESCENT BULB.
- CM-SE21 SIGN, TO BE LOCATED ABOVE THE ACTIVATION SWITCH, 1.6 mm (1/16"), 381 mm BY 381 mm (15" BY 15"), FIRE RATED EXPANDED PVC WHITE, WITH 25 mm BLACK LETTERING. TEXT SHALL BE: "IN THE EVENT OF AN EMERGENCY PUSH EMERGENCY BUTTON AND AUDIBLE AND VISUAL SIGNAL WILL ACTIVATE".
- INTERCONNECTED WITH DOOR HARDWARE, INCLUDING DOOR OPERATOR, PUSH TO LOCK BUTTON, ELECTRIC STRIKE, DOOR CONTACT.

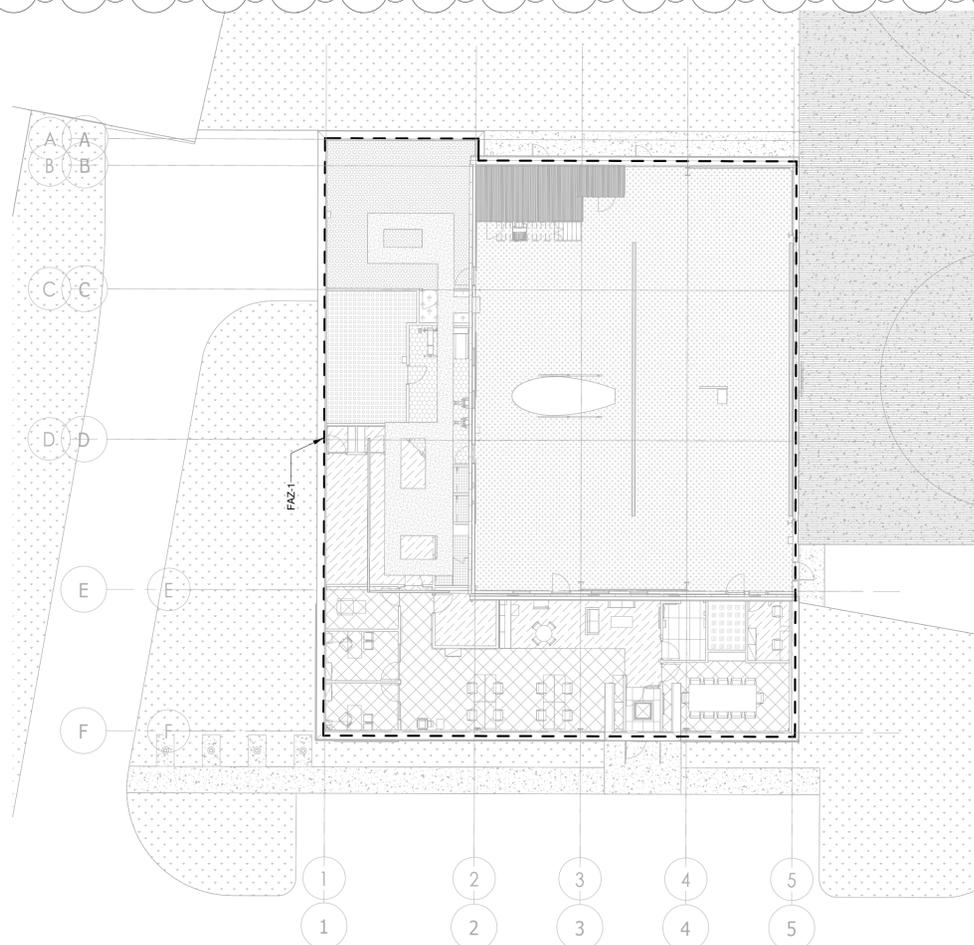
NOTES:

- CONFIRM EXACT HARDWARE AND ROUGH-IN REQUIREMENTS WITH EMERGENCY CALL SYSTEM VENDOR.
- CONFIRM EXACT EQUIPMENT LOCATIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.

28 26 23 - UNIVERSAL WASHROOM DOOR OPERATOR AND EMERGENCY CALL SYSTEM

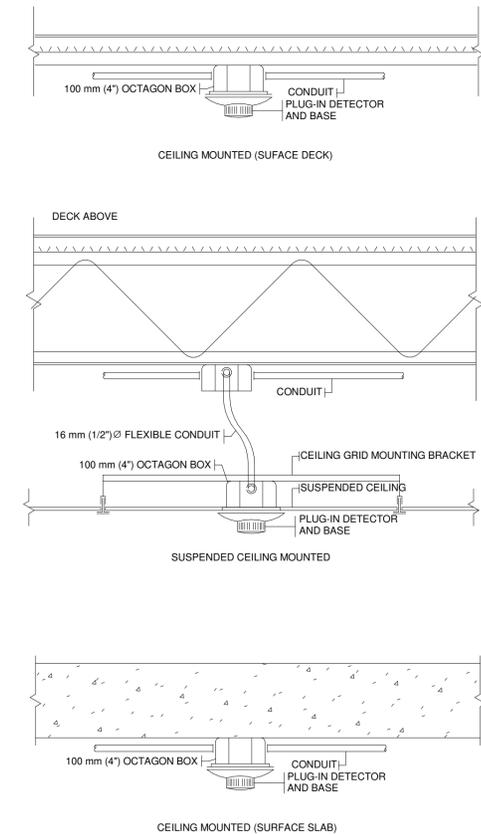
3 Universal Washroom Door Operator and Emergency Call System

SCALE: N.T.S.



2 FIRE ALARM ZONES

SCALE: N.T.S.



1 Typical Smoke Detector Installations

SCALE: N.T.S.

