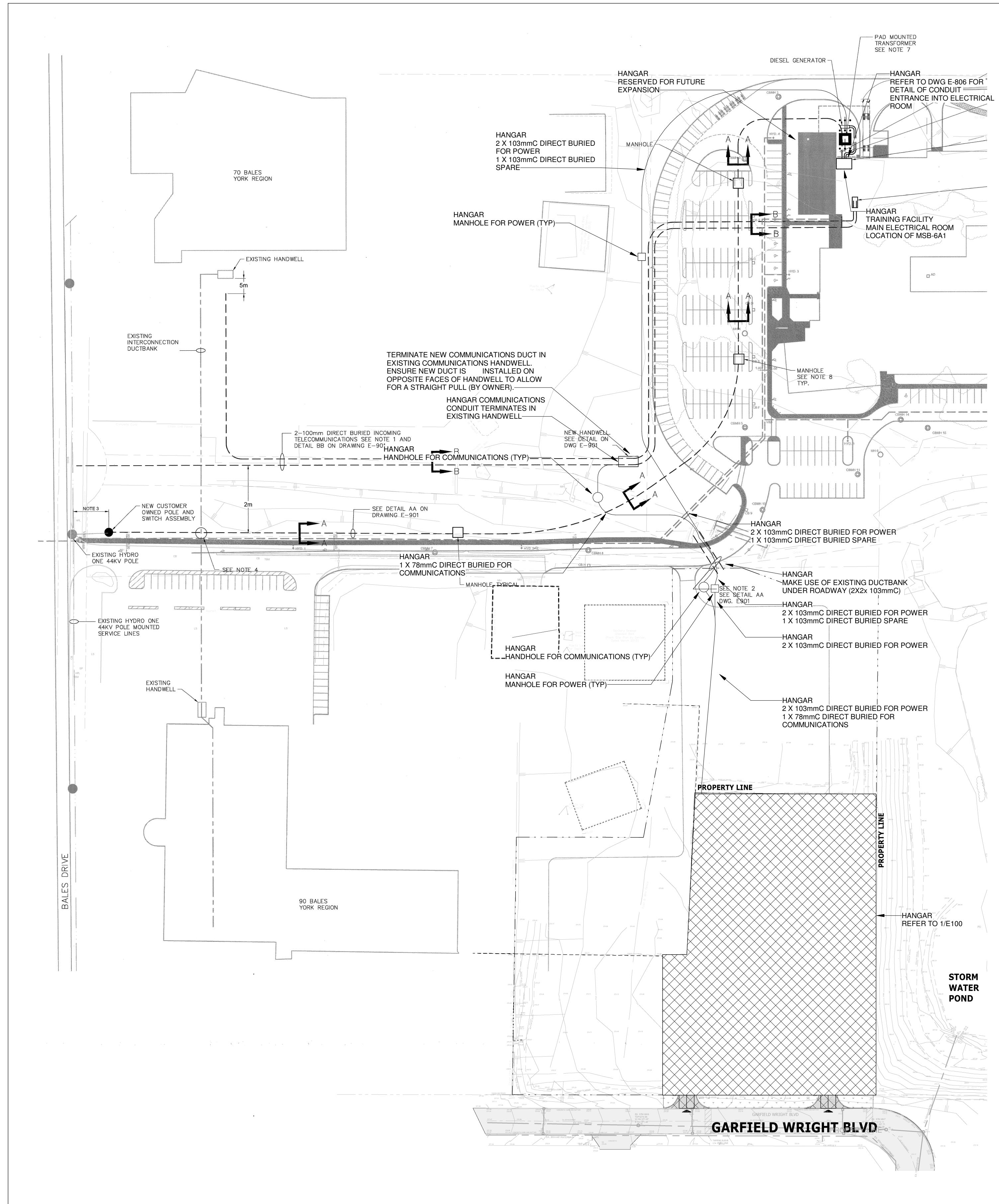


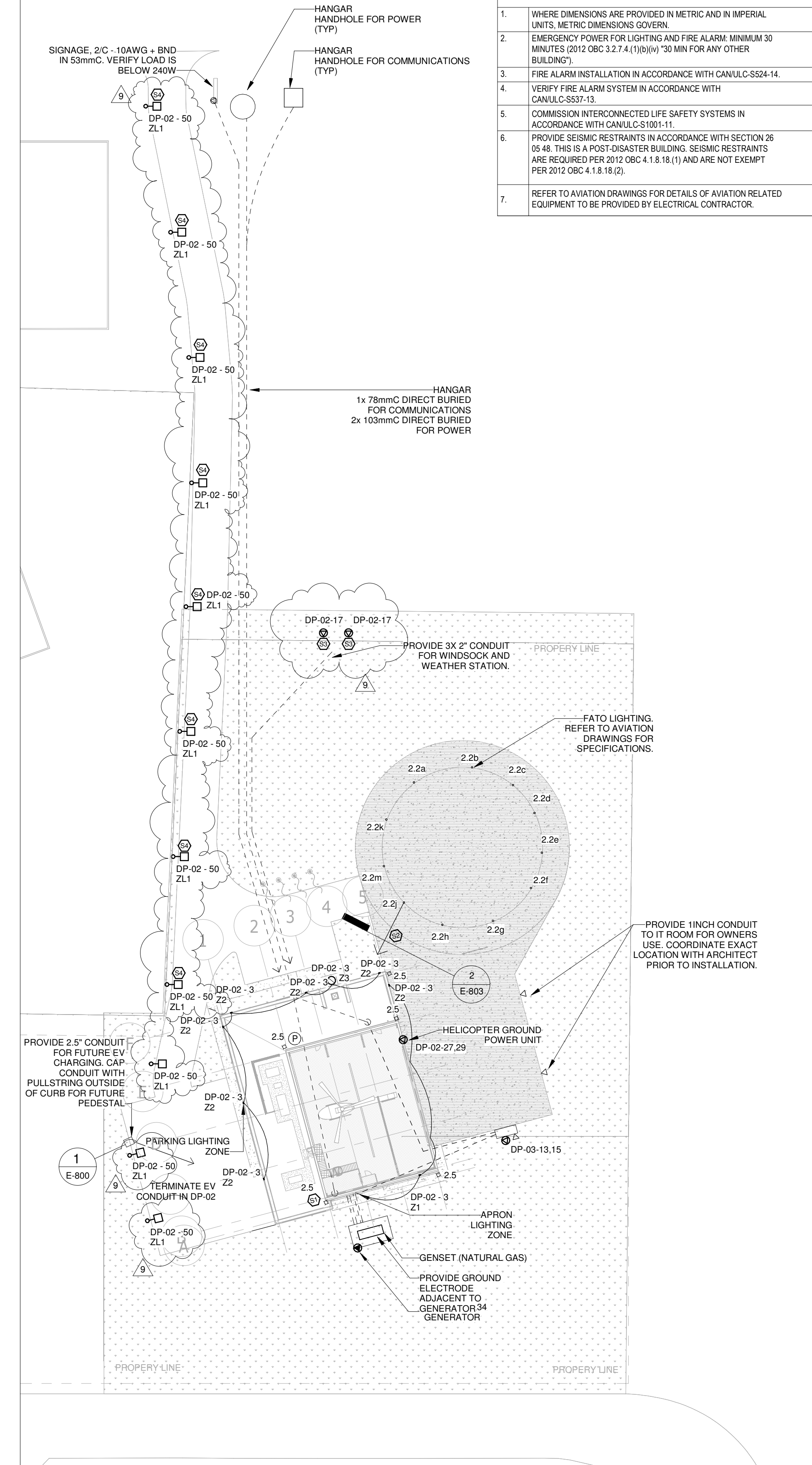
1 OVERALL SITE PLAN (1:1000 SCALE) HAS BEEN DRAWN ON
EXISTING SITE PLANS FROM OTHER PROJECTS. NOTES
WRITTEN FOR THIS PROJECT ARE PREFIXED BY THE TERM
"HANGAR". OTHER NOTES ARE INFORMATION ONLY.



OVERALL SITE PLAN
SCALE: 1 : 1000

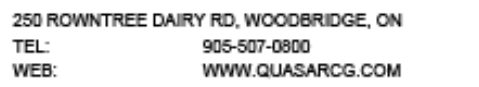
KEYNOTE LEGEND	
Key Value	Keynote Text
S1	AVIATION OBSTRUCTION LIGHTS, FED FROM PANEL, DP-02-42.
S2	FATO LIGHTS ARE FED FROM HELIPORT LIGHTING CONTROLLER, PROVIDE 5/C 12AWG-BND.
S3	COORDINATE FINAL LOCATION OF EQUIPMENT WITH ARCHITECT PRIOR TO INSTALLATION.
S4	PROVIDE AVIATION OBSTRUCTION LIGHTS, CIRCUIT FROM ZL1 CIRCUIT.

1.	WHERE DIMENSIONS ARE PROVIDED IN METRIC AND IN IMPERIAL UNITS, METRIC DIMENSIONS GOVERN.
2.	EMERGENCY POWER FOR LIGHTING AND FIRE ALARM: MINIMUM 30 MINUTES PER 2012 CBC 3.2.7.4 (1)(b)(ii) 30 MIN FOR ANY OTHER BUILDING.)
3.	FIRE ALARM INSTALLATION IN ACCORDANCE WITH CANULC-S524-14.
4.	VERIFY FIRE ALARM SYSTEM IN ACCORDANCE WITH CANULC-S537-13.
5.	COMMISSION INTERCONNECTED LIFE SAFETY SYSTEMS IN ACCORDANCE WITH CANULC-S1001-11.
6.	PROVIDE SEISMIC RESTRAINTS IN ACCORDANCE WITH SECTION 26 05 48 THIS IS A POST-OSASTER BUILDING. SEISMIC RESTRAINTS ARE REQUIRED PER 2012 CBC 4.1.8.18.(1) AND ARE NOT EXEMPT PER 2012 CBC 4.1.8.18.(2).
7.	REFER TO AVIATION DRAWINGS FOR DETAILS OF AVIATION RELATED EQUIPMENT TO BE PROVIDED BY ELECTRICAL CONTRACTOR.



SITE PLAN
SCALE: 1 : 500

Parkin Architects Limited
1 VALLEYBROOK DRIVE, TORONTO, CANADA, M3B 2S7 416-467-8000



350 GARFIELD WRIGHT
BOULEVARD
TOWN OF EAST GWILLIMBURY

[illegible]

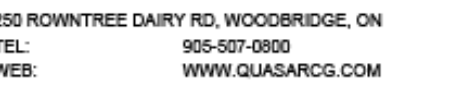
9	ISSUED FOR ADDENDUM 14	2024-11-27
8	ISSUED FOR ADDENDUM 10	2024-10-15
7	ISSUED FOR ADDENDUM 8	2024-10-07
6	ISSUED FOR ADDENDUM 6	2024-09-30
5	ISSUED FOR ADDENDUM 3	2024-09-23
4	ISSUED FOR ADDENDUM 1	2024-09-16
3	ISSUED FOR TENDER	2024-09-09
2	ISSUED FOR SITE PLAN APPROVAL	2024-08-16
1	ISSUED FOR BUILDING PERMIT	2024-07-31
NO.	ISSUED	DATE

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

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**



350 GARFIELD WRIGHT
BOULEVARD
TOWN OF EAST GWILLIMBURY

8	ISSUED FOR ADDENDUM 14	2024-11-27
7	ISSUED FOR ADDENDUM 10	2024-10-15
6	ISSUED FOR ADDENDUM 8	2024-10-07
5	ISSUED FOR ADDENDUM 6	2024-09-30
4	ISSUED FOR ADDENDUM 3	2024-09-23
3	ISSUED FOR ADDENDUM 1	2024-09-16
2	ISSUED FOR TENDER	2024-09-09
1	ISSUED FOR BUILDING PERMIT	2024-07-31
NO.	ISSUED	DATE

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

Drawing
No. **E-200**

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. MATCH HEIGHT OF PA LUMINAIRES IN HANGAR.
L4	DIGITAL SWITCH. APRON LIGHTING OVERRIDE CONTROL.

REFER TO POWER AND SIGNALS DRAWINGS FOR SWITCHED RECEPTACLES.

SCALE: 1 : 50



250 ROWNTREE DAIRY RD, WOODBRIDGE, ON
TEL: 905-507-0800
WEB: WWW.QUASARGROUP.COM

YORK REGIONAL POLICE
HELICOPTER HANGAR

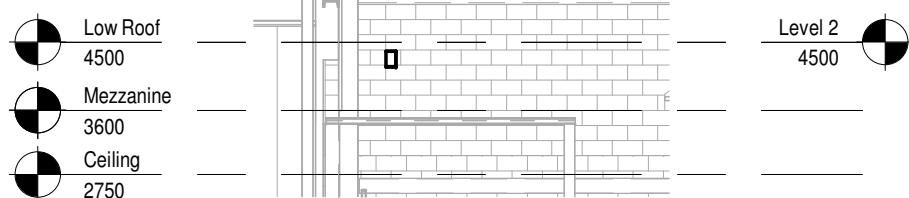
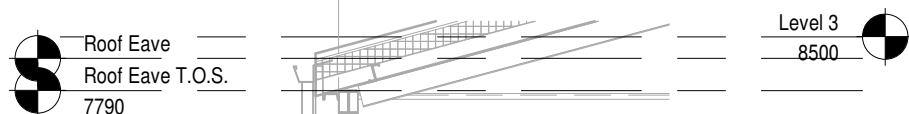
350 GARFIELD WRIGHT
BOULEVARD
TOWN OF EAST GWILLIMBURY

Key
Plan

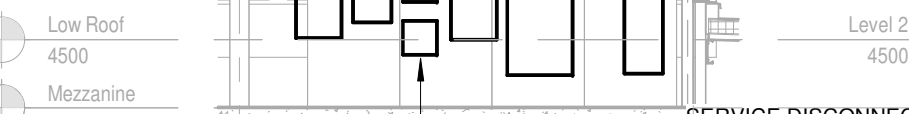
KEYNOTE LEGEND	
Key Value	Keynote Text
P1	CONDUIT TERMINATION FOR ANTENNA SYSTEM TO ROOF LEVEL. CONFIRM EXACT LOCATION ARCHITECT.
P2	P2 ANY EQUIPMENT INSTALLED UP TO 450mm AFF SHALL BE HAZARDOUS RATED ZONE 2 PER OESC 20-402 (2)
P3	P3 MOUNT BOTTOM OF RECEPTACLES MINIMUM 500mm AFF
P4	RADIO MOUNT 1100AFF. CONFIRM LOCATION WITH ARCHITECT PRIOR TO INSTALLATION
P5	INSTALL TV POWER AND DATA 18INCH BELOW CEILING. VERIFY EXACT MOUNTING LOCATION WITH OWNER PRIOR TO INSTALLATION.
P6	SCRAMBLEPAD
P7	INTRUSION DETECTION SYSTEM KEYPAD

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.



Section 3
SCALE: 1 : 100



Section 5
SCALE: 1 : 100

NO.	ISSUED	DATE
8	ISSUED FOR ADDENDUM 14	2024-11-27
7	ISSUED FOR ADDENDUM 10	2024-10-15
6	ISSUED FOR ADDENDUM 8	2024-10-07
5	ISSUED FOR ADDENDUM 6	2024-09-30
4	ISSUED FOR ADDENDUM 3	2024-09-23
3	ISSUED FOR ADDENDUM 1	2024-09-16
2	ISSUED FOR TENDER	2024-09-09
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

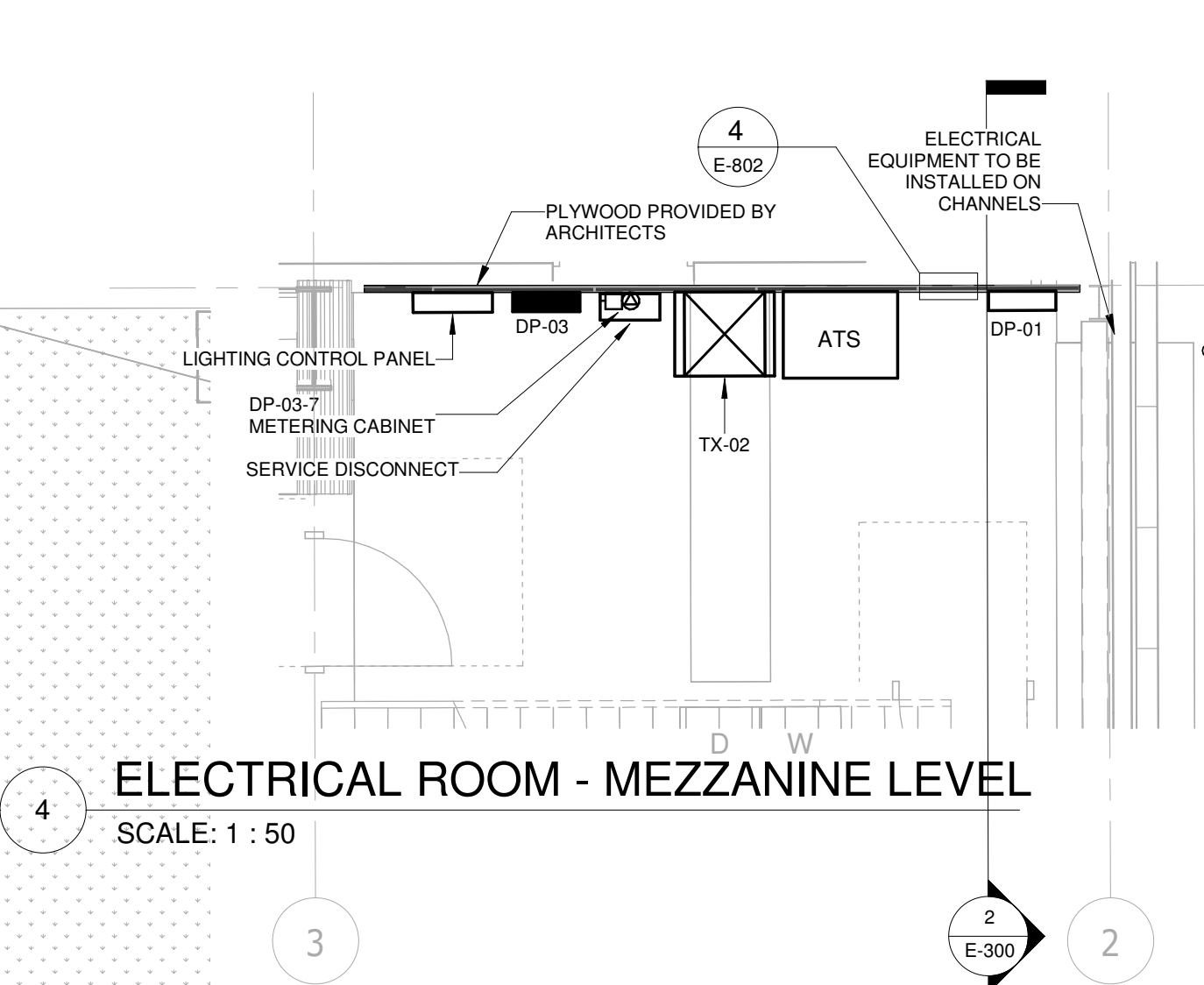
Do not scale drawings

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

Sheet
Title:

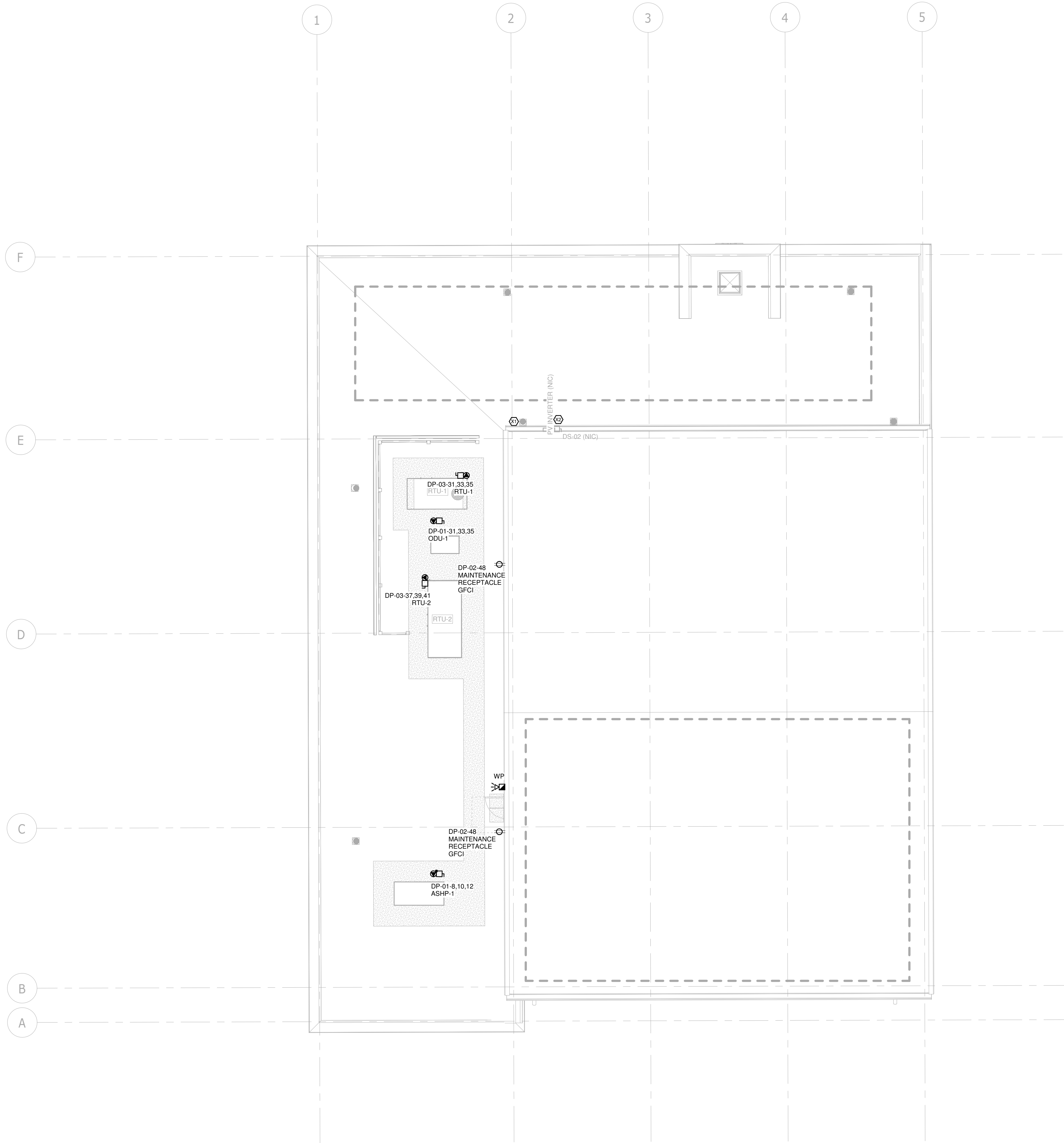
POWER AND SYSTEMS
NEW WORK - GROUND
FLOOR

Drawing
No.
E-300



ELECTRICAL ROOM - MEZZANINE LEVEL
SCALE: 1 : 50

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KEYNOTE LEGEND	
Key Value	Keynote Text
X1	INSTALL 1 INCH CONDUIT FOR ANTENNA SYSTEM (CONFIRM CONDUIT SIZE AND LOCATION WITH OWNER PRIOR TO INSTALLATION)
X2	INSTALL CONDUIT FOR FUTURE PV SYSTEM.

GENERAL NOTE:
ALL ROOF MOUNTED EQUIPMENT TO BE FED DIRECTLY FROM BELOW.
NO CONDUIT TO BE RUN ALONG ROOF WHERE CAN BE AVOIDED.
CONFIRM WITH ARCHITECT ALL CONDUIT INSTALLATIONS WHICH WILL BE EXPOSED PRIOR TO INSTALLATION.

PARKIN

Parkin Architects Limited
1 VALLEYBROOK DRIVE, TORONTO, CANADA, M3B 2S7 416-467-8000



YORK REGIONAL POLICE
HELICOPTER HANGAR

350 GARFIELD WRIGHT
BOULEVARD
TOWN OF EAST GWILLIMBURY

Key
Plan

NO.	ISSUED	DATE
8	ISSUED FOR ADDENDUM 14	2024-11-27
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3	ISSUED FOR ADDENDUM 1	2024-09-16
2	ISSUED FOR TENDER	2024-09-09
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: 1 : 100

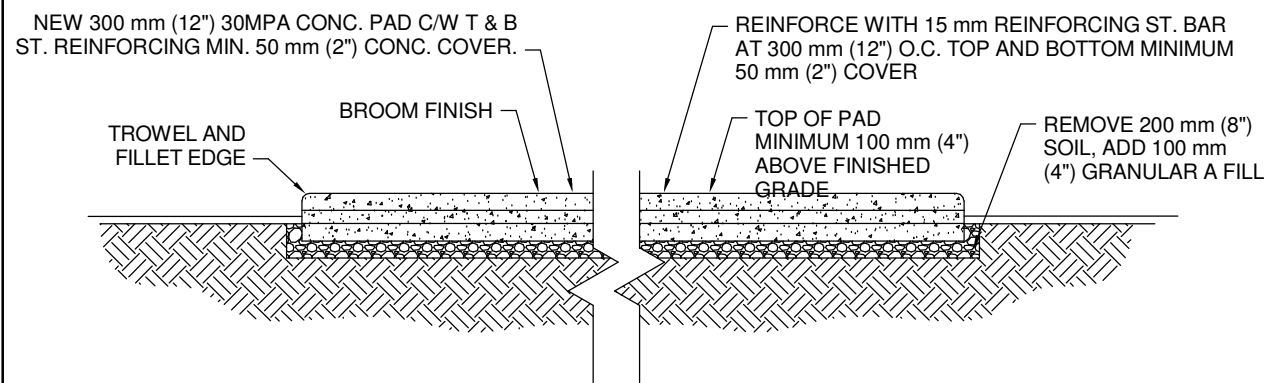
Sheet
Title:
POWER AND SYSTEMS
NEW WORK - ROOF
PLAN

Drawing
No:
E-301

YORK REGIONAL POLICE HELICOPTER HANGAR

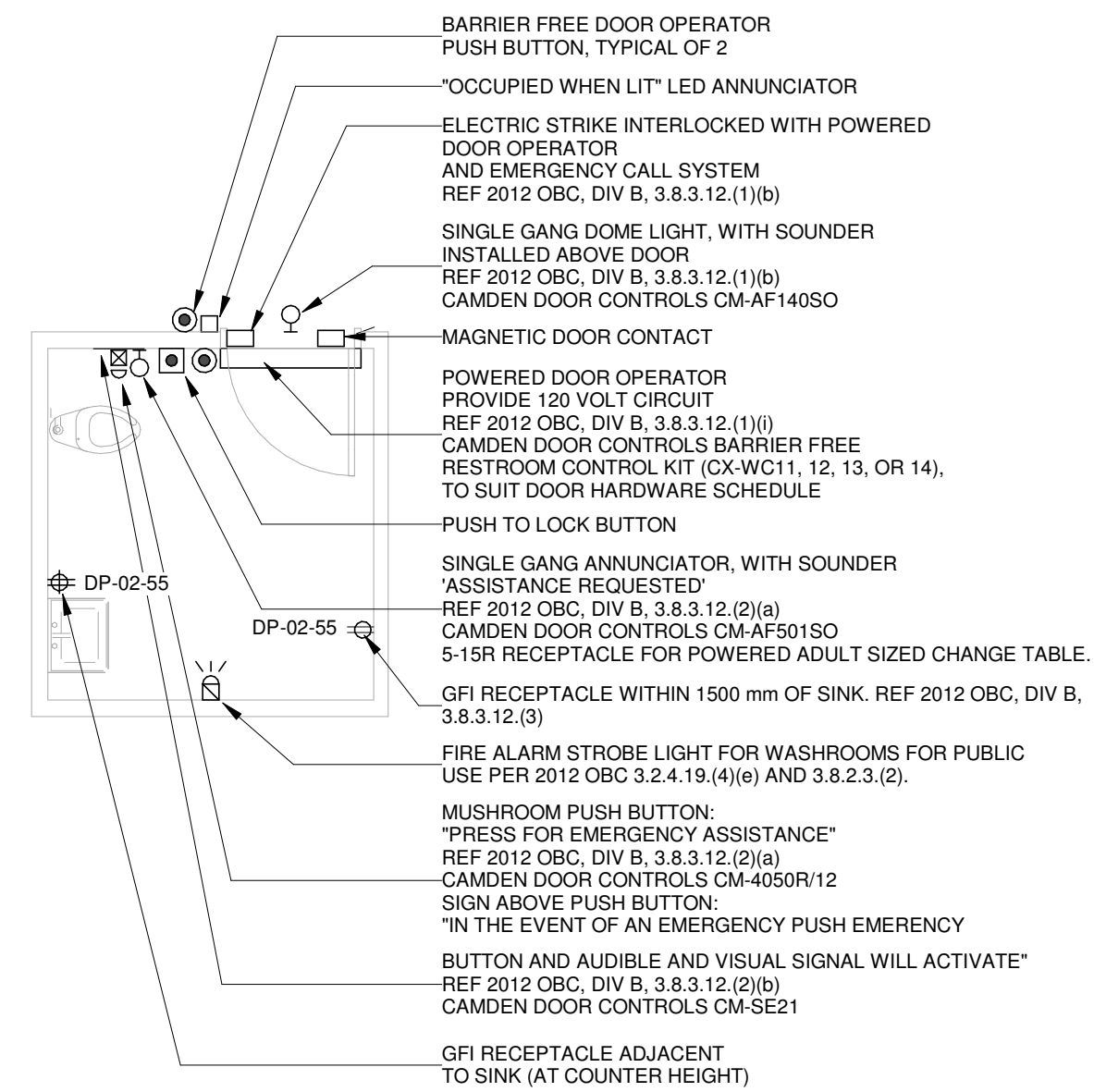
350 GARFIELD WRIGHT
BOULEVARD
TOWN OF EAST GWILLIMBURY

Key Plan



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:

1. CM-4050R12 SINGLE GAN MUSHROOM PUSH BUTTON, 1/4" THICK BRUSHED ALUMINUM FACELATE AND RED BUTTON, MAINTAINED PUSH/PULL OPERATION WITH "PRESS FOR EMERGENCY ASSISTANCE" PERMANENTLY LASER ETCHED ON THE FACELATE.
2. CM-AF5050 SINGLE GAN LED ANNUNCIATOR WITH SOUNDER, RATED 85 db AT 100 mm. WEATHER AND VANDAL RESISTANT CONSTRUCTION, BRUSHED STAINLESS STEEL FACELATE, WITH "PUSH TO CALL" MESSAGE TEXT, THAT IS NOT LEGIBLE UNLESS THE ANNUNCIATOR IS ENERGIZED.
3. CM-AF140S0 SINGLE GAN DOME LIGHT WITH PIEZO SOUNDER, RATED 93 db AT 1 METRE, BRUSHED STAINLESS STEEL FACELATE AND 24 V INCANDESCENT BULB. STAINLESS STEEL, TO 1/4" DIA. MOUNTING BRACKET, 1.6 mm (1/16") 316 SS BY 381 mm (15" 15 1/2"), FIRE RATED EXPANDED PVC WHITE, WITH 25 mm BLACK LETTERING TEXT SHALL BE: "IN THE EVENT OF AN EMERGENCY PUSH EMERGENCY" TO AUDIBLE SOUNDER. THE SOUNDER SHALL BE 85 DB AT 100 MM, INTERCONNECTED WITH DOOR HARDWARE, INCLUDING DOOR OPERATOR, PUSH TO LOCK BUTTON, ELECTRIC STRIKE, DOOR CONTACT.

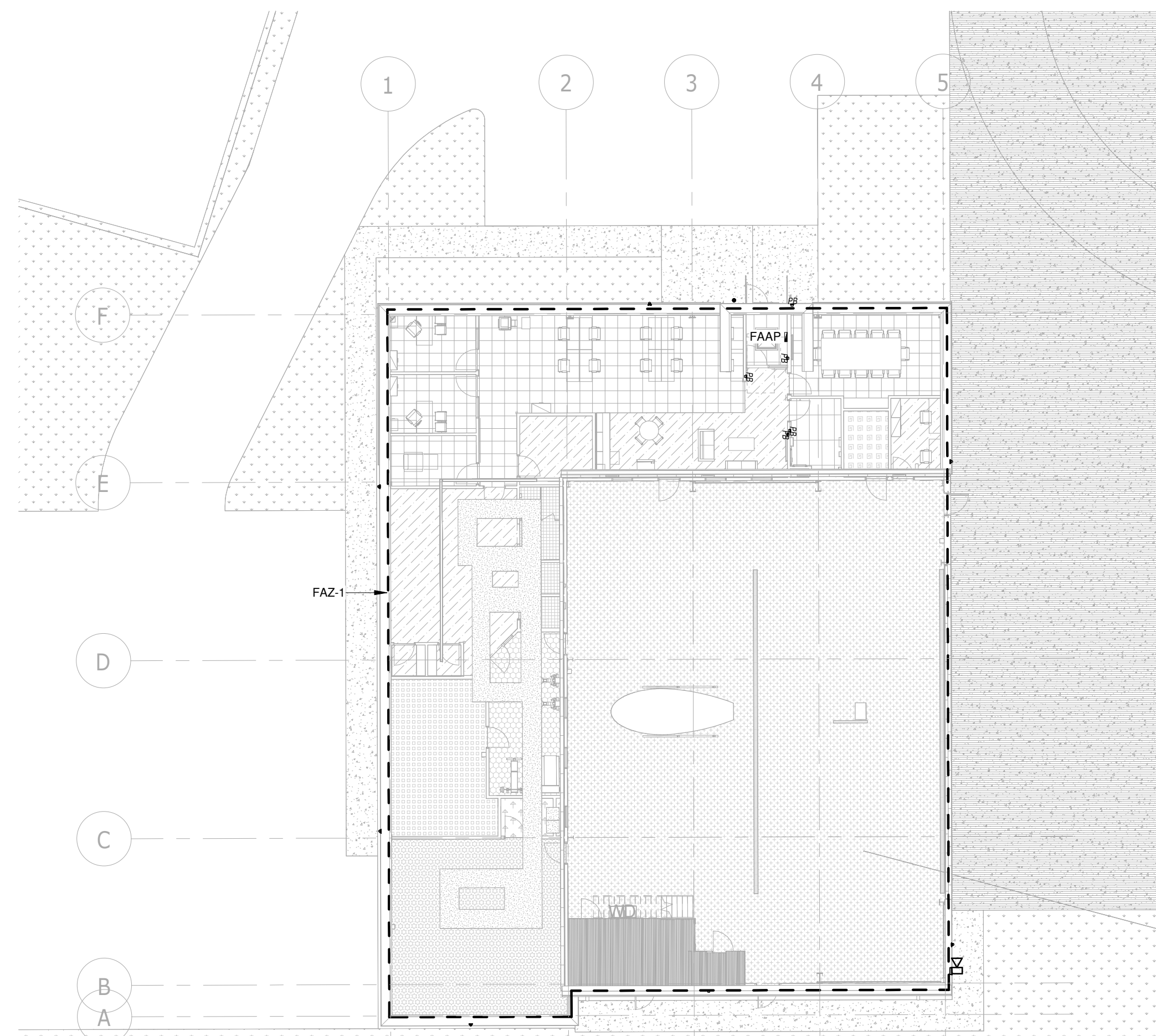
NOTES:

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

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

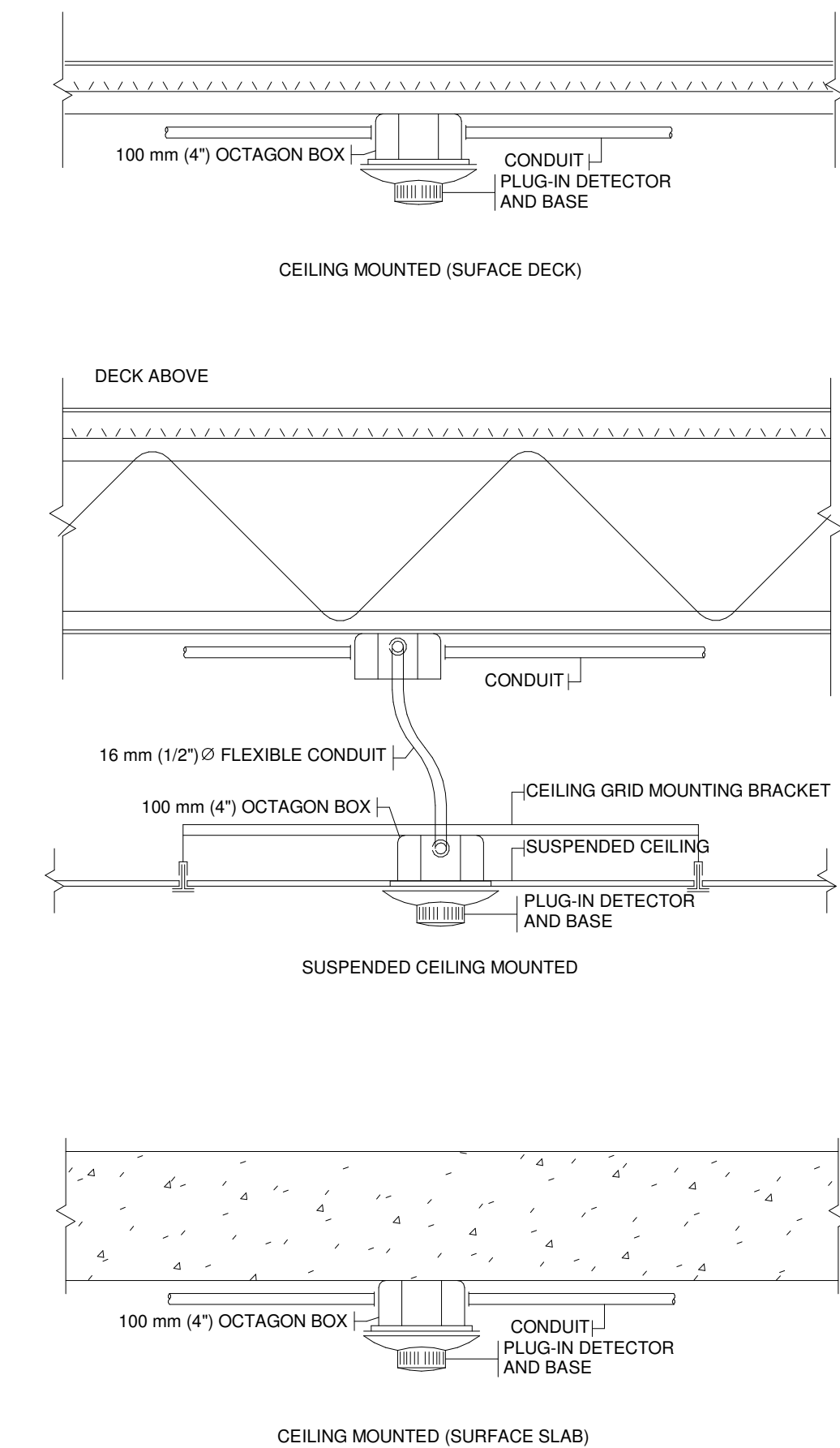
Universal Washroom Door Operator and Emergency Call System

SCALE:N.T.S.



FIRE ALARM ZONES

SCALE:N.T.S.



Typical Smoke Detector Installations

SCALE:N.T.S.

[illegible]

Issues

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

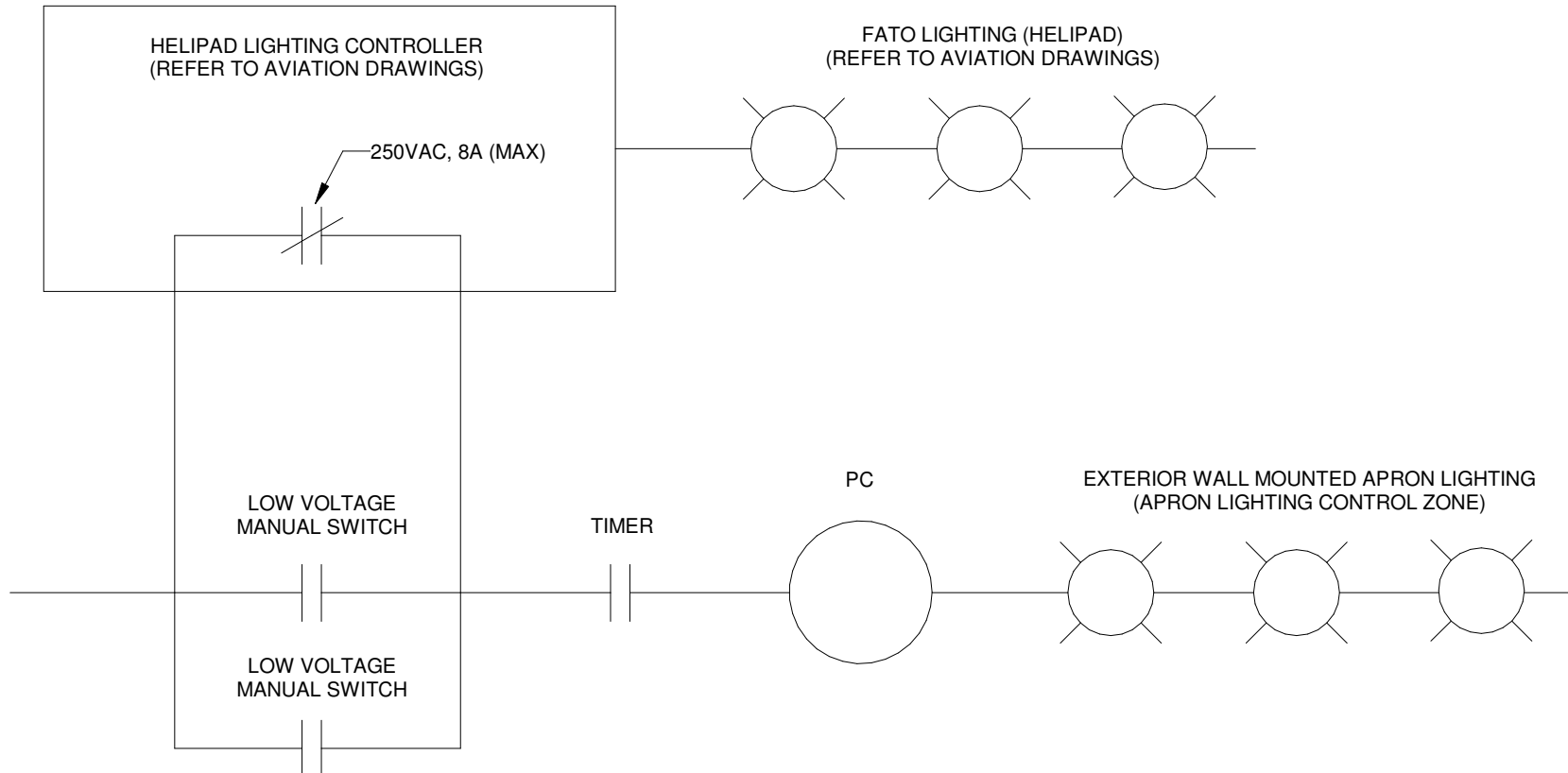
Do not scale drawings

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

Sheet
Title:

ELECTRICAL DETAILS

Drawing
No.
E-801



- NOTE:
- THE HLC AND FATO LIGHTS OPERATE INDEPENDENTLY OF THE APRON LIGHTING CONTROL.
 - THE LV MANUAL SWITCHES CAN WILL PROVIDE A MOMENTARY (20 MINUTE INITIAL SETTING, AND OWNER ADJUSTABLE BETWEEN 1MIN AND 60MIN) TO BYPASS OF THE HLC CONTACT.

HELIPAD LIGHTING CONTROLLER - INTERFACE TO APRON LIGHTING CONTROL ZONE

SCALE:N.T.S.

- APRON LIGHTING CONTROL ZONE FUNCTIONAL REQUIREMENTS:
- TURN ON/OFF BASED ON PHOTOCELL
 - HELIPORT OVERRIDE OFF:
 - OFF WHEN HELIPORT LIGHTING CONTROLLER (HLC) AUXILIARY DRY-CONTACT(MAX RATING 240VAC, 8A) CLOSSES (CORRESPONDS TO FATO LIGHTING TURNING ON, BY HLC)
 - AFTER HLC DEFINED TIME LIMIT, DRY-CONTACT WILL OPEN. APRON LIGHTING TO RESUME NORMAL FUNCTION CONTROLLED BY PHOTOCELL
 - MANUAL OVERRIDE ON:
 - APRON LIGHTING CAN BE MANUALLY TURNED ON TO OVERRIDE THE HLC CONTACT AND RESUME OPERATION BASED ON PHOTOCELL

KEYNOTE LEGEND	
Keynote Value	Keynote Text
1.	FLOOR PLANS TAKE PRECEDENCE. COUNT IS PROVIDED FOR INFORMATION ONLY AND DOES NOT DICTATE THE DESIGN REQUIREMENTS.
2.	TO BE DEFINED BY OWNER DURING CONSTRUCTION.

Drawing No. **E-900**

Sheet Title:

ELECTRICAL SCHEDULES

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

Issues

NO.	ISSUED	DATE
7	ISSUED FOR ADDENDUM 14	2024-11-27
6	ISSUED FOR ADDENDUM 8	2024-10-07
5	ISSUED FOR ADDENDUM 6	2024-09-30
4	ISSUED FOR ADDENDUM 3	2024-09-23
3	ISSUED FOR TENDER	2024-09-09
2	ISSUED FOR SITE PLAN APPROVAL	2024-08-16
1	ISSUED FOR BUILDING PERMIT	2024-07-31

LIGHT FIXTURE SCHEDULE											
	TYPE	MANUFACTURER	DESCRIPTION	MOUNTING	VOLTAGE	WATTS	LUMENS	DIMMABLE	CCT	MOUNTING HEIGHT	Count
D1	LFR-4RD-M-15L35K8WD-DM1_LFR-4RD-T-CL-S	PRESCOLITE	LITEFRAME 4" ROUND DOWNLIGHT	RECESSED	120 V	12 W	1404	0-10V	3500K	3m	19
D2	LFR-4RD-M-20L35K8-DM1_LFR-4RD-T-SH-WT	PRESCOLITE	LITEFRAME 4" ROUND DOWNLIGHT	RECESSED	120 V	15 W	1238	0-10V	3500K	3m	4
F2	SDL-3-1ACF-24G-40-35K-MV	PEERLESS-ELECTRIC	2' x 4' LED luminaire for recessed installation in an exposed flat	RECESSED	120 V	32 W	3968	0-10V	3500K	3m	29
F3	SDL-3-1ACF-22G-40-35K-MV	PEERLESS-ELECTRIC	2' x 2' LED luminaire for recessed installation in an exposed flat	RECESSED	120 V	37 W	4070	0-10V	3500K	3m	2
FL1	NOT USED				120 V	22 W	Modify name as required				1
L2	LXDI-40-6U4-4-80-35K-FA-W	PEERLESS-ELECTRIC	LED luminaire for suspended (with aircraft cables)	SUSPEND	120 V	64 W	3225		3500K	2.4m	1
PA	AP4-HB-4-200-35K-A6	PEERLESS-ELECTRIC	LED luminaire for surface mounting with brackets	SURFACE	120 V	165 W	20000	0-10V	3500K	7.7m	12
PB	AP4-HB-4-150-35K-A6	PEERLESS-ELECTRIC	LED luminaire for surface mounting with brackets	SURFACE	120 V	119 W	15000	0-10V	3500K	4.5m	15
PC	AP2W-4-42-35K-A2	PEERLESS-ELECTRIC	LED luminaire for surface mounting with brackets	SUSPENDED	120 V	35 W	4200	0-10V	3500K	3m	1
PD	HEM4-35ML-DFA-EU	PEERLESS-ELECTRIC	LED luminaire for surface mounting with brackets	SUSPENDED	120 V	46 W	5425	0-10V	3500K	3m	4
Z1	VPW3-160L-95-3K7-4	BEACON VIPER WALL	Exterior Wall-mounted Low profile LED luminaireN	WALL	120 V	95 W	12595	0-10V	3000K	8m	1
Z2	VPW3-160L-95-3K7-4	BEACON VIPER WALL	Exterior Wall-mounted Low profile LED luminaire	WALL	120 V	95 W	12595	0-10V	3000K	4.1m	7
Z3	LFR-4RD-M-10L30K8XW-DM1_LFR-4RD-T-CL-S	PRESCOLITE	LITEFRAME 4" ROUND DOWNLIGHT	RECESSED	120 V	8 W	903	0-10V	3000K	2.75m	1
ZL1	VP-1-160L-35-3K7-4-BC	BEACON	EXTERIOR POLE MOUNTED LIGHT	POLE-MOUNTED	120 V	35 W	2816		3000K	7m	11
Grand total: 108											

LOAD (WATTS) WIRE SIZE		LENGTH OF WIRE RUN (FEET)															
		13	18	25	30	35	50	60	75	100	150	200	250	300	400		
6	12	41	30	21	18	15	11	9	8	6	4	-	-	-	-		
	10	65	47	32	28	24	17	14	11	9	6	-	-	-	-		
	8	110	75	54	45	39	27	22	18	14	9	7	-	-	-		
12	12	165	110	85	71	61	42	35	29	21	14	10	8	-	-		
	10	260	190	136	112	97	68	52	45	34	23	17	14	11	-		
	8	415	300	215	180	154	108	90	72	54	36	27	21	18	-		
24	12	660	440	340	284	244	168	140	116	84	56	40	32	26	21		
	10	1040	760	544	448	388	272	208	180	136	92	68	52	44	34		
	8	1668	1200	860	720	616	432	360	288	216	144	108	84	72	54		

EMERGENCY LIGHTING DEVICE SCHEDULE			
Type	Description	Manufacturer	VOLTAGE
E26	WATER-PROOF COMPACT REMOTE UNIT WITH DOUBLE HEAD LAMPS: MR16 LED LAMP, 12V, 6W, 540 LUMEN, 25 DEGREE BEAM ANGLE, FACTORY WHITE FINISH	STANPRO "M SERIES": CAT# M1-1V6 LA WH OR APPROVED EQUAL (BEGHELLI, EMERGI-LITE, LUXNET, AIMLITE).	120 V
EMB-1	12V EMERGENCY LIGHTING BATTERY UNIT C/W AUTO TEST, FACTORY WHITE FINISH, UNIVERSAL 120/347VAC INPUT, AND SIX-ZONE DELTA VOLTAGE SENSING RELAY OPTION. TWO LAMPS: MR16 LED LAMP, 12V, 6W, 540 LUMEN, 25 DEGREE BEAM ANGLE	12V EMERGENCY LIGHTING BATTERY UNIT C/W AUTO TEST. TWO REMOTE HEADS	120 V
EMB-2	LIGHTING BATTERY UNIT C/W AUTO TEST. TWO REMOTE HEADS	SAME AS EMB-1	120 V
Wall Mounted - Down			120 V
X1	SELF-POWERED SLIM EDGE LIT LED ILLUMINATED PICTOGRAM EXIT SIGN - SINGLE FACE C/W WHITE FINISH RECESSED HOUSING AND AUTOMATIC TEST SELF-DIAGNOSTIC	STANPRO "RMTE SERIES": CAT# RMTE-1-UM-WH-IB/AT OR APPROVED EQUAL (BEGHELLI, EMERGI-LITE, LUXNET, AIMLITE).	120 V
Grand total: 26			

LIGHTING CONTROL MATRIX 1																		
ROOM NAME	ROOM NUMBER	CONTROLS PHILOSOPHY		LOCAL CONTROL (ASHRAE 90.1-2013 9.4.1.1a)				OCCUPANCY SENSOR				TIME SCHEDULE		DAYLIGHT SENSOR		OTHER		REMARKS
		CONTROLS INTEGRATED INTO LUMINAIRES	STANDALONE CONTROL DEVICES	NETWORKED LIGHTING CONTROLS	MANUAL (ON/OFF) ONE ZONE ONLY FOR SPACE	MANUAL (ON/OFF) a b ZONED SWITCHING	MANUAL DIMMING CONTROL	KEY SWITCH (KS)	SCENE CONTROL (SC) OR GRAPHIC TOUCHSCREEN	VACANCY MODE (MANUAL ON) (ASHRAE 90.1-2013 9.4.1.1b)	OCCUPANCY MODE (AUTO ON) (FULL)	OCCUPANCY MODE (AUTO ON) (PARTIAL)	AUTOMATIC PARTIAL OFF SENSOR TIME OUT (MINUTES) (ASHRAE 90.1-2013 9.4.1.1g)	AUTOMATIC PARTIAL OFF LUMINAIRE DIMMING LEVEL	FULL OFF SENSOR TIME OUT PERIOD (MINUTES) (ASHRAE 90.1-2013 9.4.1.1h)	SCHEDULE ON TIME	SCHEDULE OFF TIME	SCHEDULE OVERRIDE SWITCH
VESTIBULE	101	X			X					X			20					
CONFERENCE ROOM	103		X		X					X			20					
OFFICE 4	104		X		X					X			20					
IT ROOM	105		X		X					X			20					
UNIVERSAL WASHROOM	106		X		X					X			20					
LOUNGE	107		X		X					X			20					
KITCHEN	108		X		X					X			20					
GENERAL OFFICE	109		X		X					X			20					
OFFICE 1	111		X		X					X			20					
OFFICE 2	112		X		X					X			20					
OFFICE 3	113		X		X					X			20					
STORAGE	114		X		X					X			20					
LOCKERS	115		X		X					X			20					
EXTERIOR - PARKING LIGHTING ZONE	116	X			X										X		X	
EXTERIOR - APRON LIGHTING ZONE	117	X			X										X		X	
WASHROOMS	118		X		X					X			20					
SHR1	119		X		X					X			20					
SHR2	120		X		X					X			20					
MECHANICAL/ELECTRICAL	122		X		X					X			20					
STORAGE 2	123		X		X					X			20					
VEHICLE BAY	124		X		X					X			20					
STORAGE 3	125		X		X					X			20					
STORAGE 4	126		X		X					X			20					
JANITOR ROOM	127		X		X					X			20					
HANGAR	128		X		X						50%		20			X	30	

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Branch Panel: DP-01															
Location: Room 129					Volts: 347/600V					A.I.C. Rating: 42 kA					
Supply From:					Phases: 3					Mains Type:					
Mounting: SURFACE					Wires: 4					Mains Rating: 400 A					
Enclosure: NEMA 3R					MCB Rating: 100 A										
Notes:															
CKT	Circuit Description	QTY	Trip	Poles	A		B		C		Poles	Trip	QTY	Circuit Description	CKT
1					0 VA	400 VA									2
3	SURGE PROTECTION DEVICE	--	60 A	3			0 VA	400 VA			3	15 A	1	P1-R	4
5									0 VA	400 VA					6
7					0 VA	24333...									8
9	RESERVED SPACE FOR FUTURE PV INVERTER SYSTEM	--	0 A	3			0 VA	24333...			3	125 A	1	AIR SOURCE HEAT PUMP	10
11									0 VA	24333...					12
13					0 VA	400 VA									14
15	RESERVED SPACE FOR FUTURE EV CHARGING	--	0 A	3			0 VA	400 VA			3	15 A	1	P-5R	16
17									0 VA	400 VA					18
19					400 VA	400 VA									20
21	P-2R	1	25 A	3			400 VA	400 VA			3	25 A	1	P-2	22
23									400 VA	400 VA					24
25					400 VA	167 VA									26
27	P-4	1	15 A	3			400 VA	167 VA			3	20 A	1	CRANE HOIST POWER	28
29									400 VA	167 VA					30
31					7433 VA	400 VA									32
33	ODU-1	1	30 A	3			7433 VA	400 VA			3	30 A	1	HANGAR BIFOLD DOOR CONTROLLER	34
35									7433 VA	400 VA					36
37					400 VA	400 VA									38
39	P-5	1	15 A	3			400 VA	400 VA			3	15 A	1	P-1	40
41									400 VA	400 VA					42
43					400 VA										44
45	p-3	1	15 A	3			400 VA								46
47									400 VA						48
49															50
51															52
53															54
55															56
57															58
59															60
Total Load:					35533 VA		35533 VA		35533 VA						
Total Amps:					102 A		102 A		102 A						
Legend:															
Load Classification			Connected Load			Demand Factor			Estimated Demand			Panel Totals			
Other			106600 VA			100.00%			106600 VA						
												Total Conn. Load: 106600 VA			
												Total Est. Demand: 106600 VA			
												Total Conn.: 103 A			
												Total Est. Demand: 103 A			
Notes:															

Branch Panel: DP-03															
Location: Room 129					Volts: 120/208 Wye					A.I.C. Rating: 22 kA					
Supply From:					Phases: 3					Mains Type:					
Mounting: Surface					Wires: 4					Mains Rating: 400 A					
Enclosure: NEMA 3R										MCB Rating: 250 A					
Notes:															
CKT	Circuit Description	QTY	Trip	Poles	A	B	C	A	B	C	Poles	Trip	QTY	Circuit Description	CKT
1	R: WASHER	1	15 A	1	180 VA			400 VA			1	30 A	1	TLWH-1	2
3	EF-2	1	15 A	1		700 VA			200 VA		1	15 A	1	EF-2	4
5	TLWH-4	1	30 A	1			400 VA			2496 VA	2	30 A	1	R: DRYER	6
7	METERING CABINET	1	15 A	1	500 VA			2496 VA							8
9	ODU-2	1	20 A	2		200 VA			200 VA		2	50 A	1	TLWH-2	10
11						200 VA				200 VA					12
13	FUEL TANK	1	15 A	2	250 VA			200 VA			2	50 A	1	TLWH-5	14
15						250 VA			200 VA						16
17							10457 VA			200 VA					18
19	DP-02	1	225 A	3	11179 VA			200 VA			2	60 A	1	TLWH-3	20
21						11564 VA			6200 VA		1	20 A	6	UH-1 TO UH-6	22
23	EF-1	1	20 A	1			700 VA			233 VA					24
25								233 VA			3	25 A	1	AIR COMPRESSOR	26
27									233 VA						28
29										167 VA					30
31					167 VA			167 VA			3	20 A	1	GENERATOR ENCLOSURE PANEL	32
33	RTU-1	1	50 A	3		167 VA			167 VA						34
35							167 VA			0 VA	1	15 A	--	HELIPAD LIGHTING CONTROLLER	36
37					167 VA										38
39	RTU-2	1	40 A	3		167 VA									40
41							167 VA								42
Total Load:					16133 VA		20247 VA		15387 VA						
Total Amps:					135 A		170 A		128 A						
Legend:															
Load Classification					Connected Load		Demand Factor		Estimated Demand		Panel Totals				
Other					29060 VA		100.00%		29060 VA						
Spare					500 VA		100.00%		500 VA						
EMERGENCY BATTERY PACK					100 VA		100.00%		100 VA		Total Conn. Load: 51759 VA				
Lighting - Dwelling Unit					2044 VA		100.00%		2044 VA		Total Est. Demand: 51855 VA				
Receptacle					15792 VA		100.00%		15792 VA		Total Conn.: 144 A				
											Total Est. Demand: 144 A				
Notes:															

Branch Panel: DP-02															
Location: MECHANICAL / ELECTRICAL...						Volts: 120/208 Wye						A.I.C. Rating: 22 kA			
Supply From: DP-03						Phases: 3						Mains Type:			
Mounting: SURFACE						Wires: 4						Mains Rating: 225 A			
Enclosure: NEMA 3R												MCB Rating: 225 A			
Notes:															
CKT	Circuit Description	QTY	Trip	Pole s	A		B		C		Pole s	Trip	QTY	Circuit Description	CKT
1	EMERGENCY BATTERY PACK	2	15 A	1	100 VA	360 VA					1	15 A	2	R: CONFERENCE ROOM	2
3	PARKING & SIGNAGE LIGHTING	9	15 A	1			160 VA	360 VA			1	15 A	2	R: FITNESS	4
5	EXIT SIGNS	10	20 A	1					275 VA	430 VA	1	20 A	2	R: CONFERENCE ROOM FLOOR...	6
7	AVIATION LIGHTING	1	15 A	1	500 VA	500 VA					1	15 A	1	FACP	8
9	R: CONFERENCE ROOM	3	15 A	1			540 VA	720 VA			1	15 A	4	R: GENERAL OFFICE	10
11	R: OFFICE 1	3	15 A	1					540 VA	720 VA	1	15 A	4	R: OFFICE 2	12
13	LIGHTING	35	15 A	1	846 VA	500 VA					1	20 A	1	FACP	14
15	EF-3	1	15 A	1			900 VA	1200...			1	25 A	1	EF-4	16
17	WINDSOCK AND...	2	15 A	1					1000...	1300...	1	15 A	1	B1	18
19	R: HANGAR	8	20 A	1	1440...	1500...					1	15 A	3	AUTOMATIC DOOR OPERATORS...	20
21	LIGHTING	28	15 A	1			2338...	180 VA			1	20 A	1	RECEPTACLE	22
23	B2	1	15 A	1					1300...	2132...	1	15 A	24	LIGHTING	24
25	R: RPAS	1	20 A	1	180 VA	1500...									26
27							500 VA	1500...			2	15 A	11	FCU-1 TO FCU-11	28
29	GROUND POWER UNIT	2	20 A	2					500 VA	180 VA	1	20 A	1	RECEPTACLE	30
31	R: KITCHEN COUNTER	1	20 A	1	180 VA	180 VA					1	15 A	1	R: FRIDGE	32
33	R: PRINTER	1	15 A	1			180 VA	180 VA			1	15 A	1	R: GARAGE DOOR	34
35	R: QUARTERMASTER	1	15 A	1					180 VA	180 VA	1	15 A	1	R: GARAGE DOOR	36
37	R: DISHWASHER	1	15 A	1	180 VA	360 VA					1	15 A	2	R: TV SECURITY DISPLAY	38
39	R: IT ROOM	1	15 A	1			180 VA	360 VA			1	15 A	2	R: VEHICLE BAY	40
41	R: FITNESS TV	1	20 A	1					180 VA	1200...	1	15 A	1	TSP-1	42
43	R: MECHANICAL ROOM	2	15 A	1	360 VA	360 VA					1	15 A	1	R: IT ROOM	44
45	R: MECHANICS OFFICE	2	15 A	1			360 VA	360 VA			1	15 A	2	R: LOUNGE AND TV	46
47	R: RADIO	2	15 A	1					360 VA	360 VA	1	20 A	2	R: MAINTENANCE	48
49	R: FITNESS	2	15 A	1	360 VA	385 VA					1	20 A	11	LIGHTING - EXTERIOR	50
51	R: GENERAL OFFICE	2	15 A	1			360 VA	500 VA			1	15 A	1	FAAP	52
53	R: WASHROOM	2	15 A	1					360 VA						54
55	R: UNIVERSAL WASHROOM	--	15 A	1	500 VA	167 VA									56
57	TLWH-6	1	40 A	2			200 VA	167 VA			3	30 A	1	IT RACK	58
59									200 VA	167 VA					60
61															62
63															64
65															66
67															68
69															70
71															72
73															74
75															76
77															78
79															80
81															82
83															84
					Total...	10457 VA	11179 VA		11564 VA						
					Total...	87 A	94 A		97 A						
Legend:															
Load Classification					Connected Load		Demand Factor		Estimated Demand		Panel Totals				
Other					15660 VA		100.00%		15660 VA						
Spare					500 VA		100.00%		500 VA		Total Conn. Load: 33189 VA				
EMERGENCY BATTERY PACK					100 VA		100.00%		100 VA		Total Est. Demand: 33285 VA				
Lighting - Dwelling Unit					2044 VA		100.00%		2044 VA		Total Conn.: 92 A				
Receptacle					10620 VA		100.00%		10620 VA		Total Est. Demand: 92 A				
Notes:															