

NOTES:

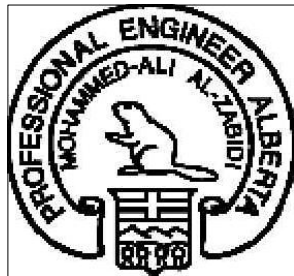
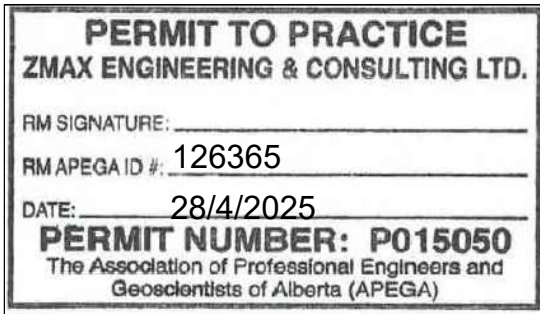
CONSULTANT:

Zmax Engineering & Consulting Ltd.
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CONTACT:

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SEAL:

TITLE:

LIGHTING LAYOUT

CLIENT/PROJECT:

Kidzonla Childcare Centre
Unit14-100 Real Martin Dr.
Fort McMurray,AB

DATE: 28 April 2025

DESCRIPTION:
Issue For BP:

REVISION#
02

SCALE

1:100

PAGE NO:

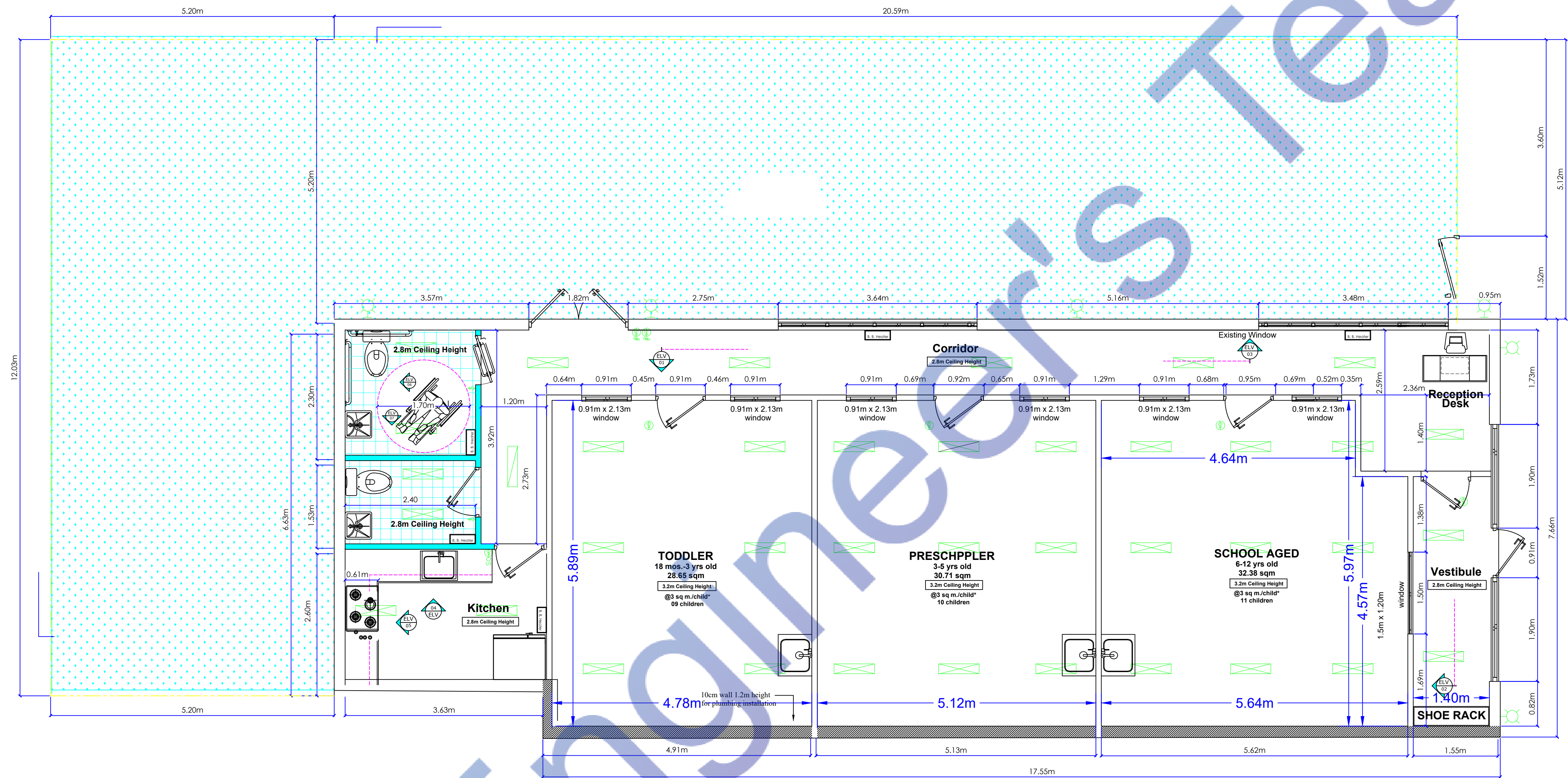
E100

PREPARED BY: IU

APPROVED BY: MA

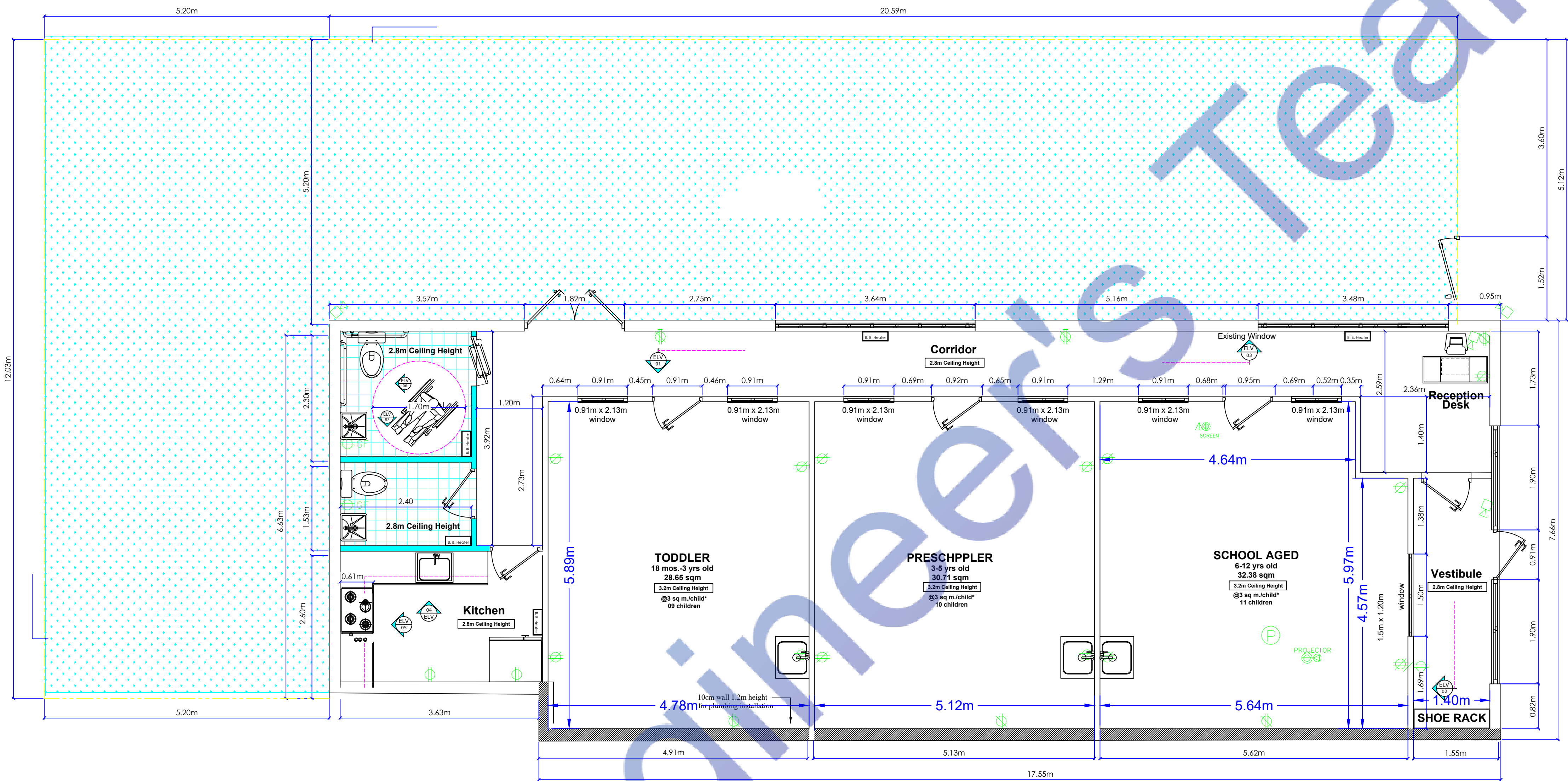
LIGHTING PLAN SYMBOLS

	T BAR LIGHTING
	LINE VOLTAGE SWITCH (120V TO 347V)
	DUPLEX 5-15R RECEPTACLE
	DUPLEX 5-15R RECEPTACLE C/W INTEGRAL GFCI PROTECTION
	DUPLEX 5-20R RECEPTACLE, T-SLOT
	Range outlet
	CAMERA
	PROJECTOR



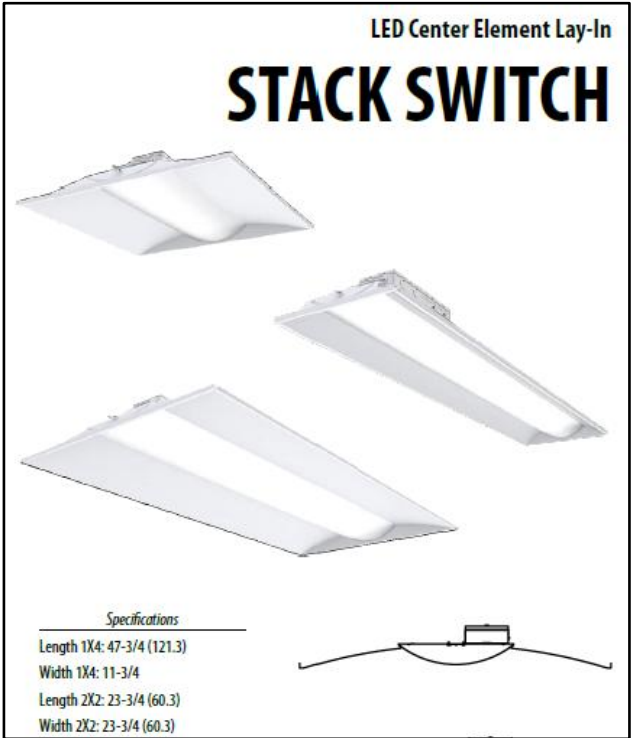
B.B. HEATER SCHEDULE

MARK	SERVING	NUMBER	WATTS	VOLTAGE	MAKE MODEL	NOTES	HEATER TYPE
BBH-1	BATHROOM ADA	1	900	120/60/1	ARTGOS 1005003687378224		BASEBOARD
BBH-2	BATHROOM	1	800	120/60/1	ARTGOS 1005003687378224		BASEBOARD
BBH-3	KITCHEN	1	1200	120/60/1	OFM1500BL OUE-OFM1500BL		BASEBOARD
BBH-4	CORRDOR	2	3000	120/60/1	OwKay izEuWSgwloStSluY		BASEBOARD



Notes:
1- Provide 120V AC for the power-operated exit doors & handicap power-operated washroom
2- Provide 120/240 V for electric range

Series	Size & Lumens	Switchable	Options
STAKS STAK Switchable	1X4 ALO6 Switchable Lumens - 4000LM, 5000LM, and 6000LM	SWW7 Switchable CCT - 35K, 40K, 50K	(BLANK) No Option *
	2X2 ALO3 Switchable Lumens - 3000LM, 4000LM, and 5000LM		CP Chicago Plenum Rated *
	2X4 ALO6 Switchable Lumens - 4000LM, 5000LM, and 6000LM		IE10WCP IE10WCP 10W Emergency backup, 10W *
			UVOLT 120-347 *



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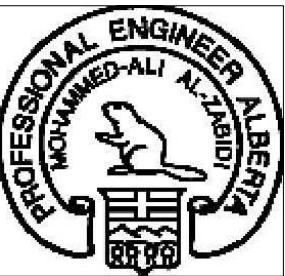
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SEAL:

TITLE:

ELECTRICAL OUTLET
LAYOUT

CLIENT/PROJECT:

Kidzonia Childcare Centre
Unit14-100 Real Martin Dr.
Fort McMurray,AB

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PREPARED BY: IU

APPROVED BY: MA



MAIN PANEL																
Panel Location-																
Voltage (Phase-Ground/Phase-Phase)		120	208	Source of Supply-From Service Disconnect/Meter												
Phase-		1		Wire-		3										
Rated Amps-		145.92		AIC-		10k										
MCCB		200 Amps MCCB		Mounting-		Wall Surface										
Circuit	Description	New/ Existing	Load Type	Breaker Size	Poles	Wire Size	A		Wire Size	Poles	Breaker Size	Load Type	New/ Existing	Description	Circuit	
1	LIGHTING LOAD	N		15	1	#14	900	8000	#3	1	75		N	HAVC	2	
3	WATER HEATER	N		20	1	#12	2000	600	#12	1	20		N	Coffee Maker/Toaster	4	
5	Refrigerator	N		20	1	#12	600	800	#12	1	20		N	Microwave Oven	6	
7	Dishwasher	N		20	1	#12	800	200	#12	1	20		N	CT-TODDLER	8	
9	CT-PRESCHOOLER	N		20	1	#12	200	200	#12	1	20		N	CT-SCHOOL AGED	10	
11	CT-ADA & BATHROOM	N		20	1	#12	50	200	#12	1	20		N	CT-KICHEN	12	
13	CT-CORRIDOR	N		20	1	#12	50	400	#12	1	20		N	CT-VEGTIBULE	14	
15	BBH-1	N		20	1	#12	900	1200	#12	1	20		N	BBH-3	16	
17	BBH-2	N		20	1	#12	800	6000	#6	1	50		N	BBH-4	18	
19	SPARE	--		--		--	--	--	--	--	--		--	SPARE	20	
21	SPARE	--		--		--	--	--	--	--	--		--	SPARE	22	
23	SPARE	--		--		--	--	--	--	--	--		--	SPARE	24	
25	SPARE	--		--		--	--	--	--	--	--		--	SPARE	26	
				Connected Load (W)		23900										
				Connected Amps		199										
				Main Type and Amps Rating		200 Amps MCCB										
Demand Load Calculation																
Load Classification		Connected Load	Demand Factor	Estimated Demand												
Lighting - Dwelling Unit		900	125%	1125												
Water Heater - Dwelling Unit		2000	100%	2000												
Receptacle		13000	65%	8450												
Cooling		8000	100%	8000												
Pump		0	125%	0												
Other		0	100%	0												
Demand Load		23900		19575												
Demand Amps				163												

120V/208 Tree Phase 3W
SERVICE BY UTILITY CO
COORDINATE LOCATION
WITH UTILITY

ELECTRICAL METER
Single Phase

SAFETY SWITCH
200 A
MCCB
Single Phase

M - PANEL
120V/208V
SINGLE PHASE
3W