

NOTES:

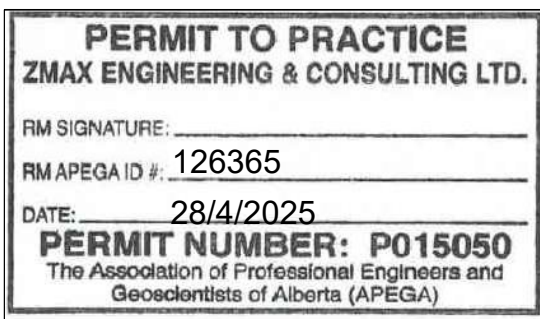
CONSULTANT:

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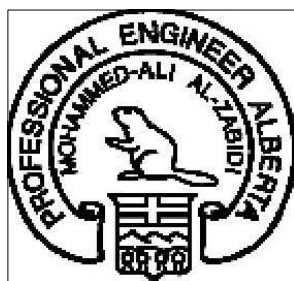
Phone:780-804-5959\780-880-7756

CONTACT:

Mohammed-Ali Al-Zabidi, P.Eng. MBA,PMP



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:

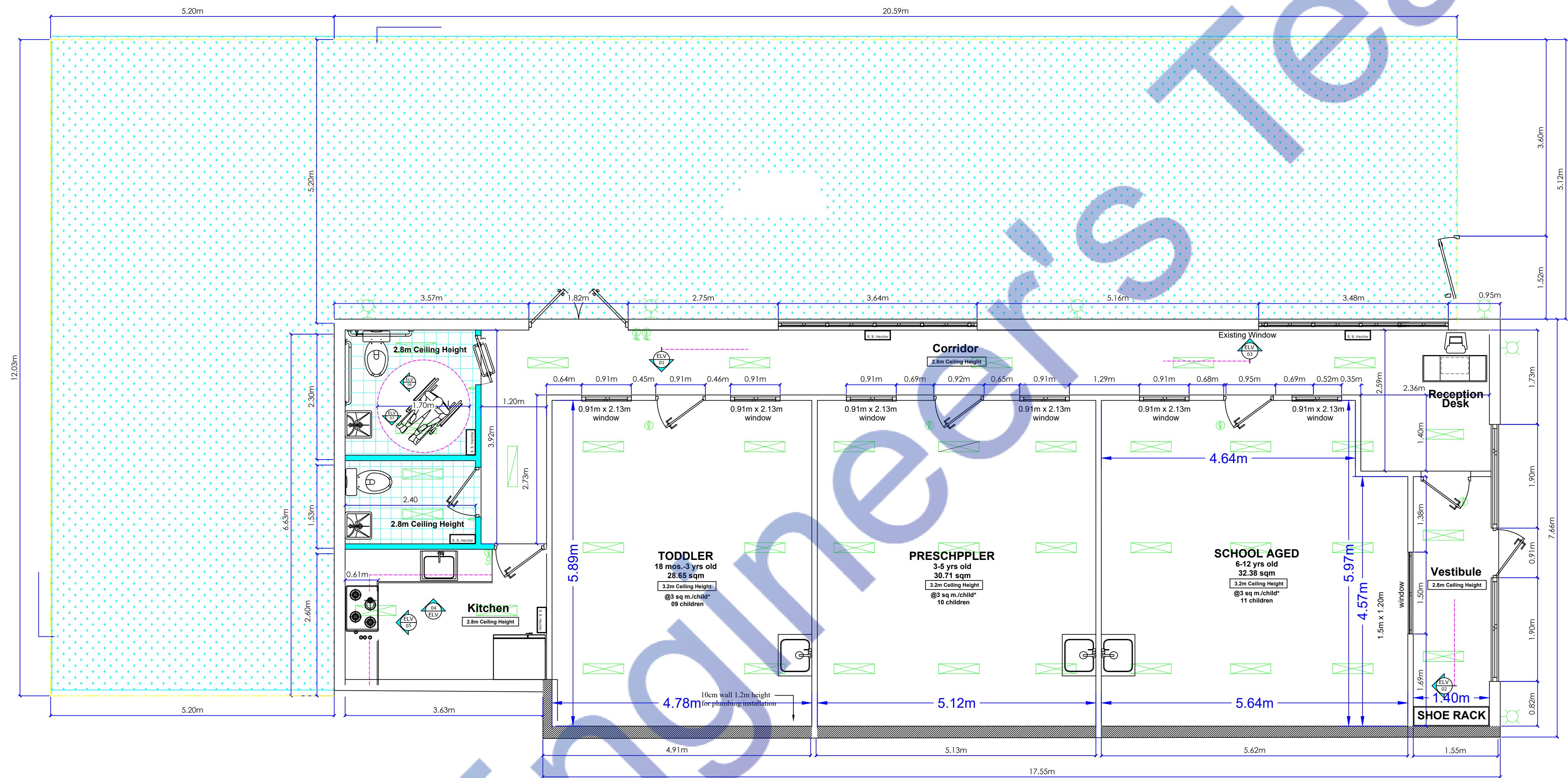
E100

PREPARED BY: IU

APPROVED BY: MA

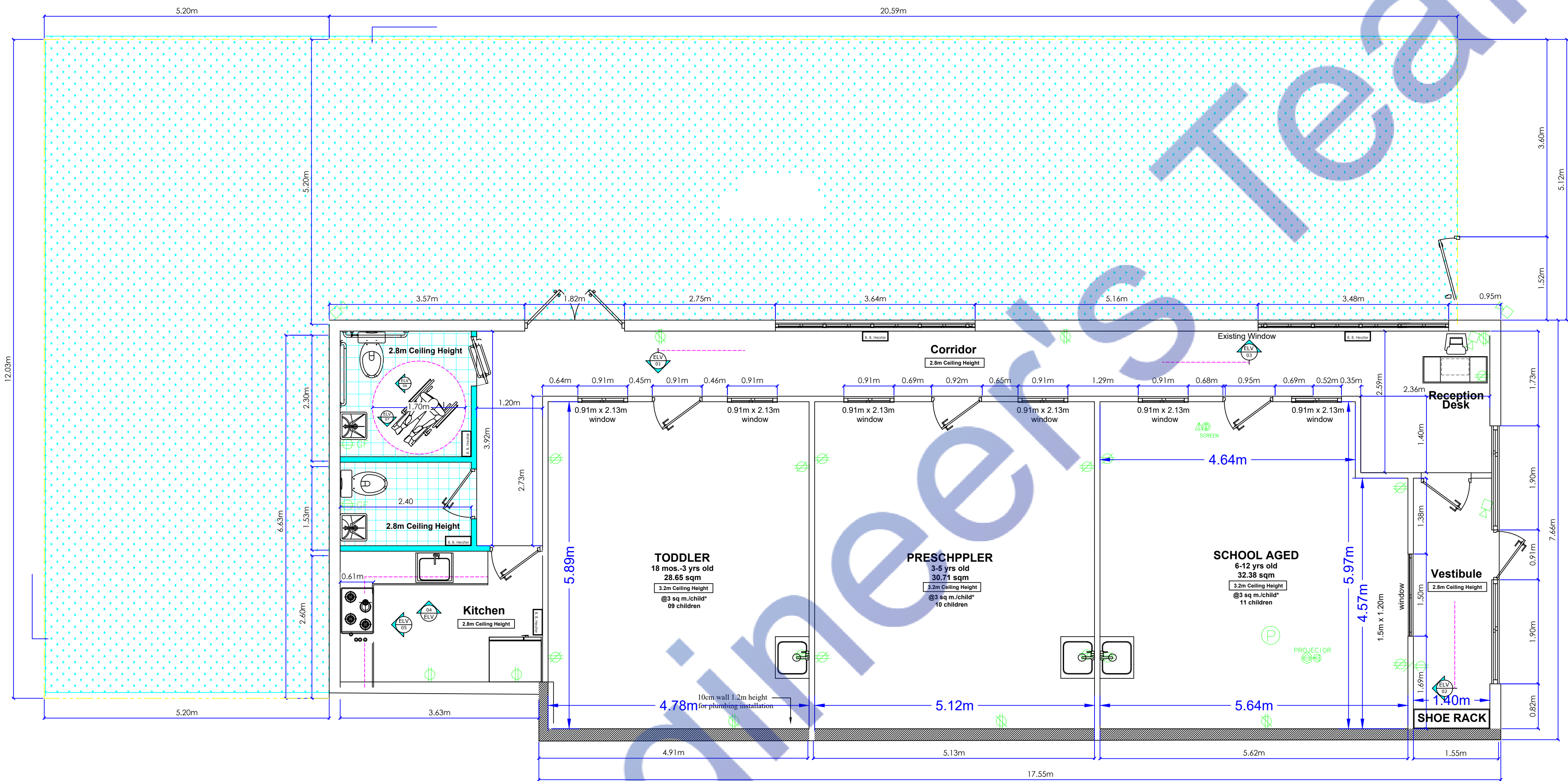
LIGHTING PLAN SYMBOLS

	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



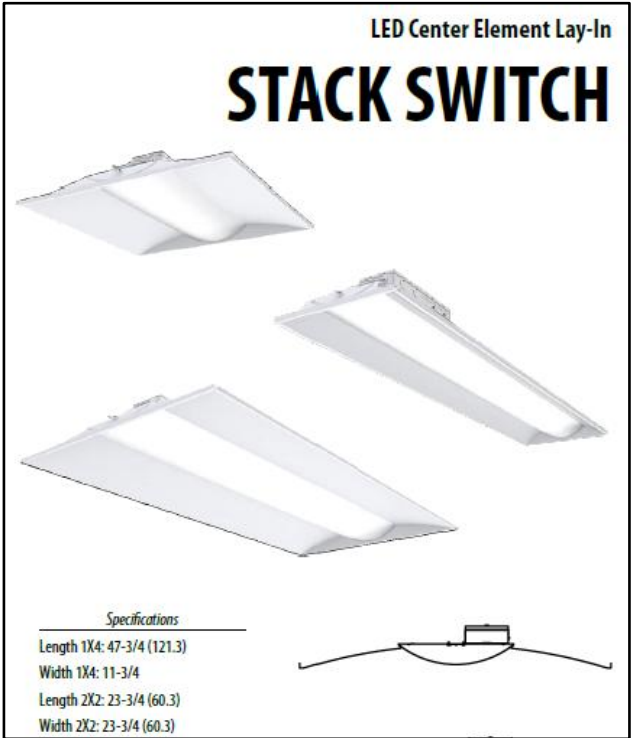
B.B. HEATER SCHEDULE

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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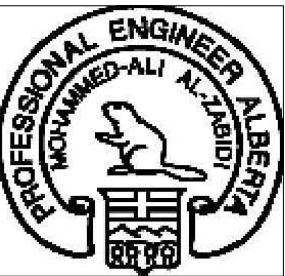
Phone:780-804-5959\780-880-7756

CONTACT:

Mohammed-Ali Al-Zabidi, P.Eng. MBA,PMP



SEAL:



TITLE:

ELECTRICAL OUTLET
LAYOUT

CLIENT/PROJECT:

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

DATE: 28 April 2025

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E200

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APPROVED BY: MA



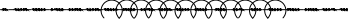
MAIN PANEL																
Panel Location-																
Voltage (Phase-Ground/Phase-Phase)		120	208	Source of Supply-From Service Disconnect/Meter												
Phase-		1		Wire-		3										
Rated Amps-		145.92		AIC-		10k										
MCCB		200 Amps MCCB		Mounting-		Wall Surface										
Circuit	Description	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												

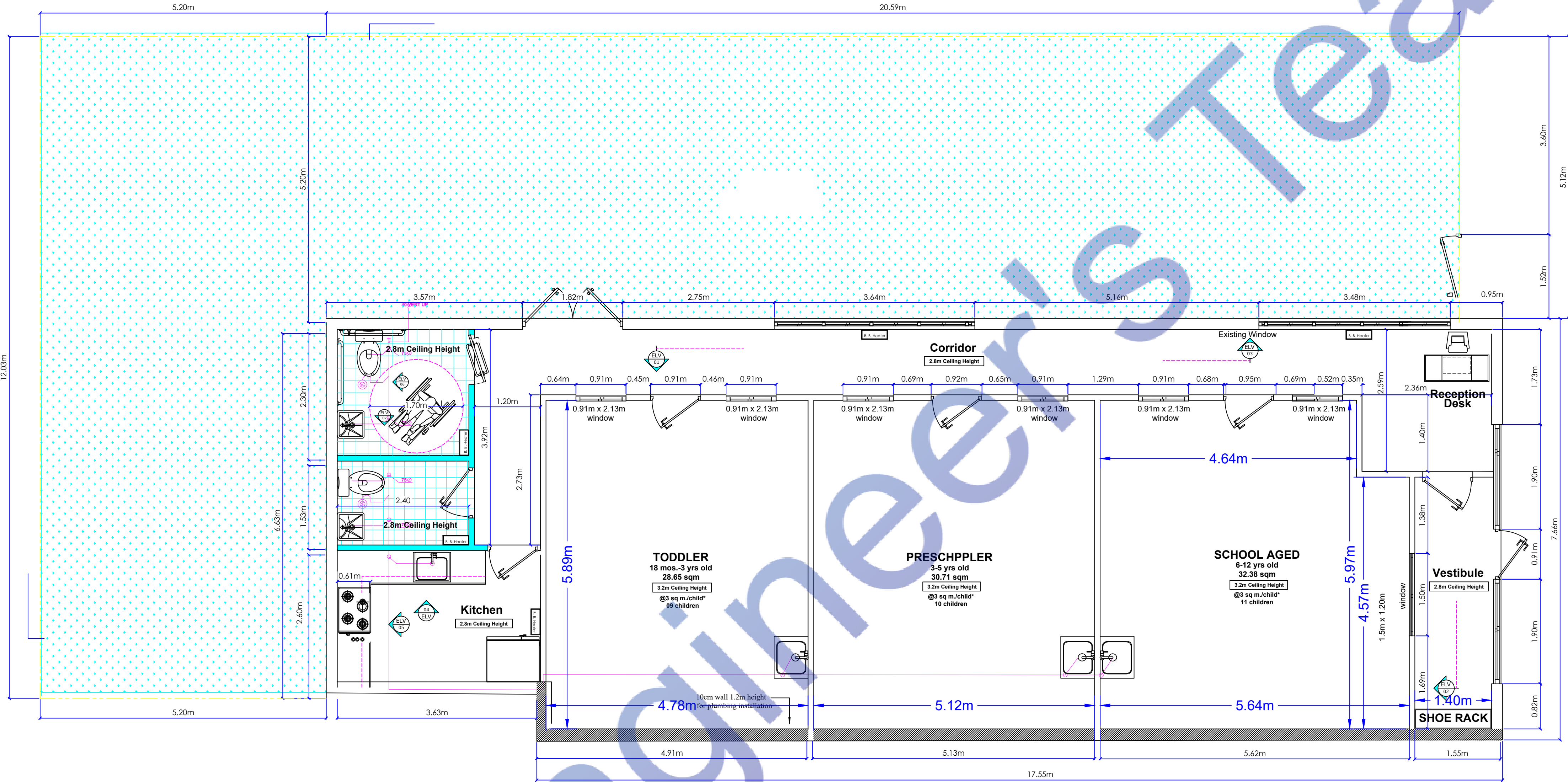
120V/208 Tree Phase 3W
SERVICE BY UTILITY CO
COORDINATE LOCATION
WITH UTILITY

ELECTRICAL METER
Single Phase

SAFETY SWITCH
200 A
MCCB
Single Phase

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

PLUMBING LEGEND	
	HEAT TRACE AND INSULATE PIPE
	COLD WATER
	HOT WATER
	SANITARY LINE BELOW GRADE
	SANITARY WASTE



NOTES:

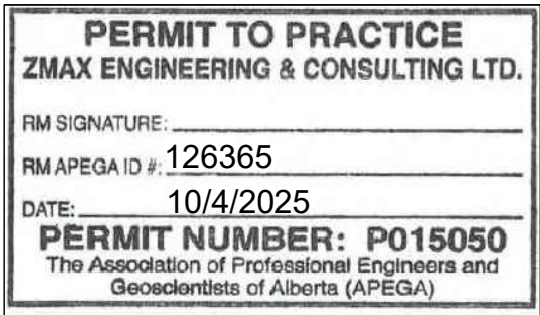
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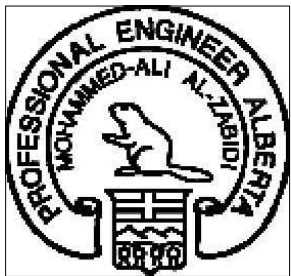
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CONTACT:

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SEAL:



TITLE:

DRAINAGE LAYOUT

CLIENT/PROJECT:

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

DATE: 10 April 2025

DESCRIPTION:
Issue For BP:

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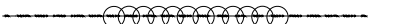
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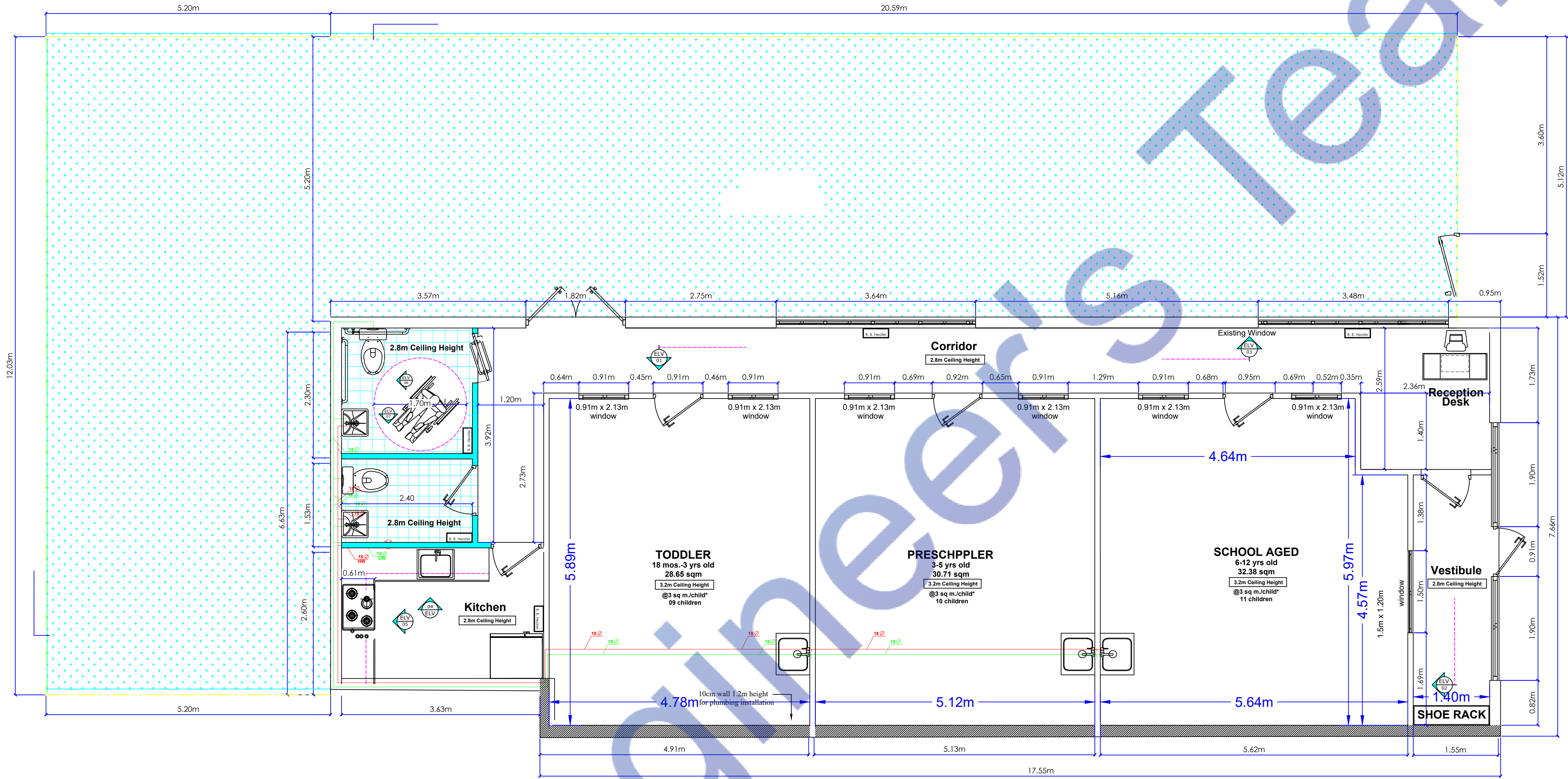
M100

PREPARED BY: OS
APPROVED BY: MA



Watermarkly

PLUMBING LEGEND	
	HEAT TRACE AND INSULATE PIPE
	COLD WATER
	HOT WATER
	SANITARY LINE BELOW GRADE
	SANITARY WASTE



NOTES:

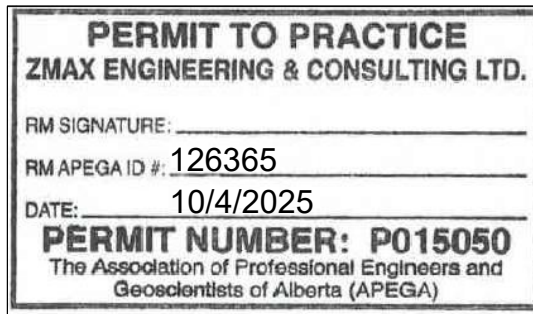
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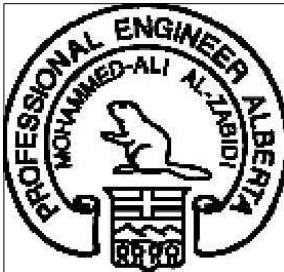
Phone:780-804-5959\780-880-7756

CONTACT:

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SEAL:



TITLE:

HOT & COLD WATER LINES

CLIENT/PROJECT:

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

DATE: 10 April 2025

DESCRIPTION:
Issue For BP:

REVISION#
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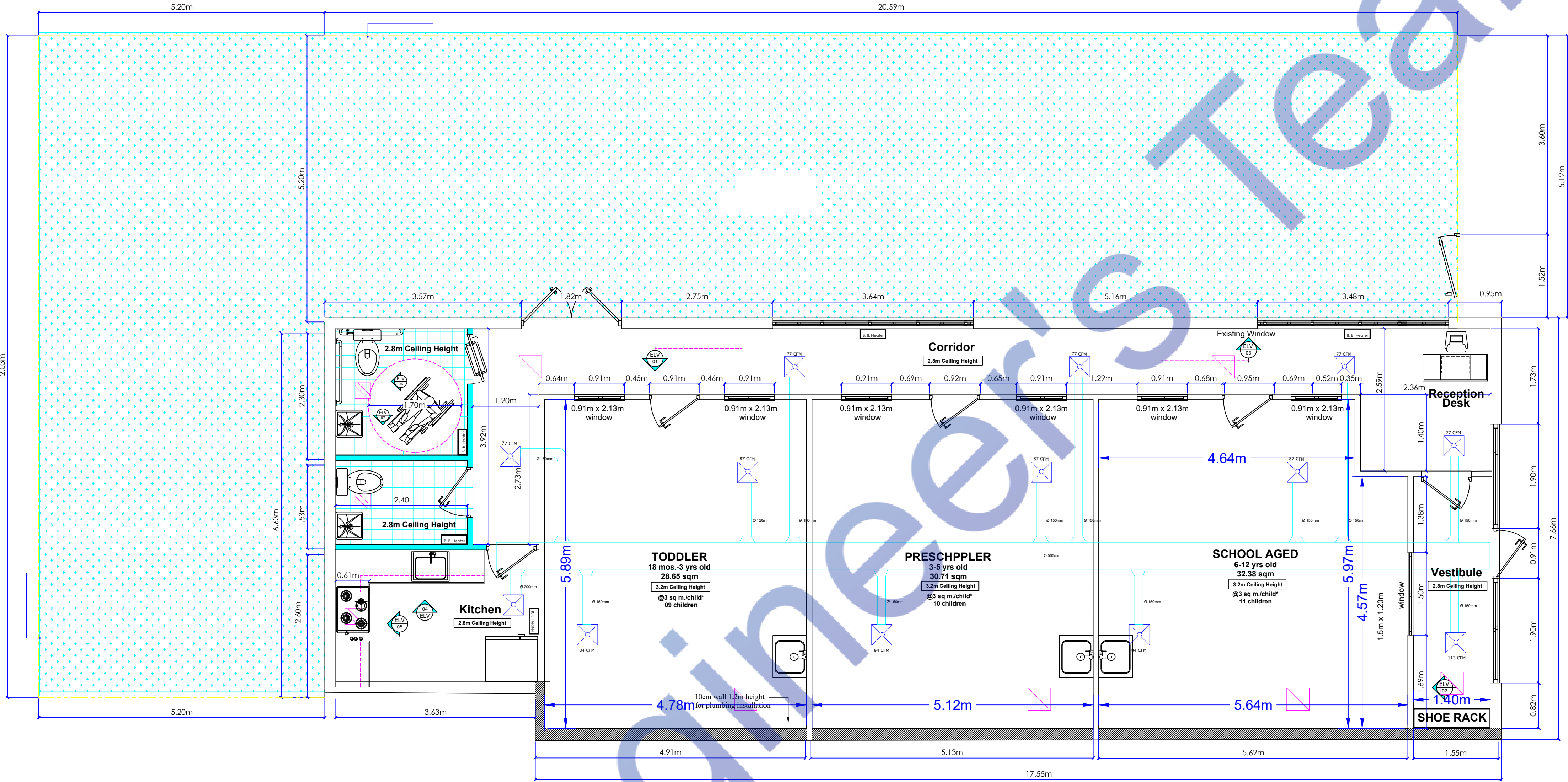
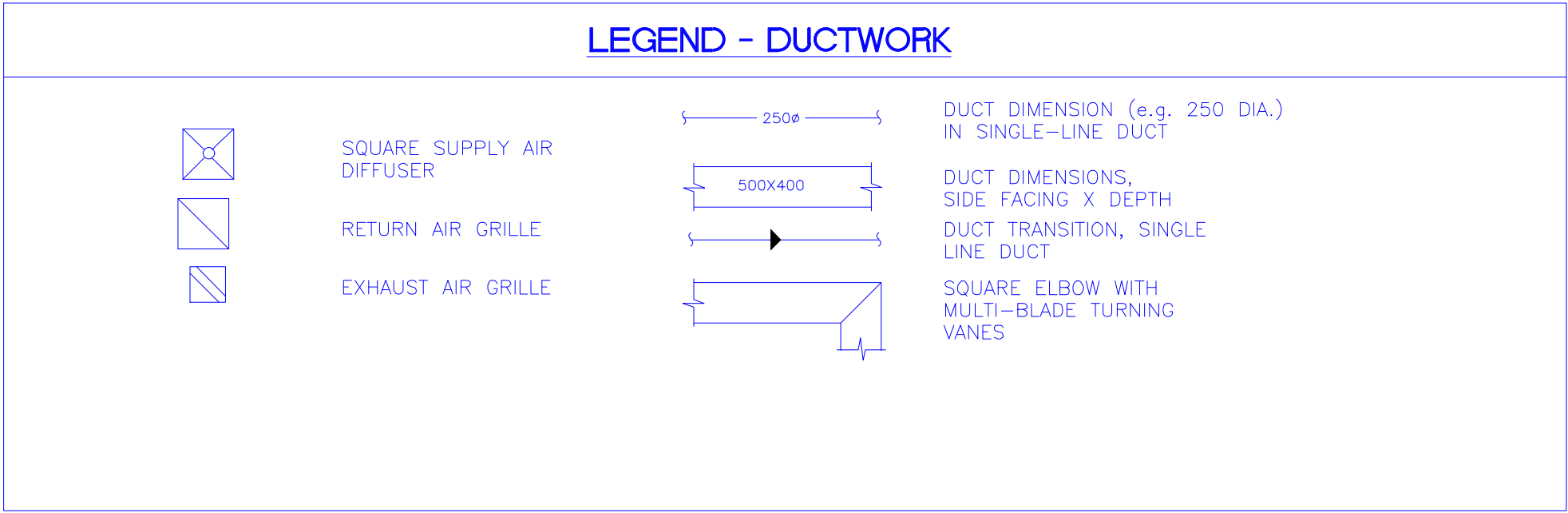
M200

PREPARED BY: OS

APPROVED BY: MA



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Notes:

1. Mechanical drawings shall be read in conjunction with architectural drawings and detailed elevations.
2. Dedicated MUA already installed for unit 14
3. Contractor to extend ducting as shown on HVAC plan
4. All fresh air requirements and exhaust rates as per ASHRAE 62.1

NOTES:

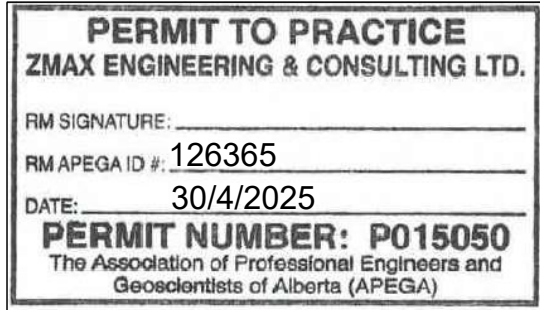
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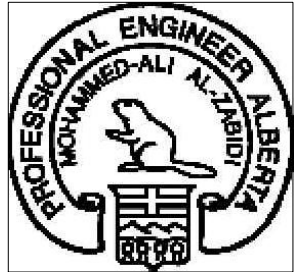
Phone:780-804-5959\780-880-7756

CONTACT:

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SEAL:



TITLE:

HVAC PLAN

CLIENT/PROJECT:

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

DATE: 30 April 2025

DESCRIPTION:
Issue For BP:

REVISION#
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SCALE

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PAGE NO:

M300

PREPARED BY: OK
APPROVED BY: MA



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