

TOWN OF GIBBONS MUNICIPAL PLANNING COMMISSION AGENDA TO BE HELD MAY 28, 2025, AT 6:30 PM AT THE MUNICIPAL OFFICE

- 1.0 CALL TO ORDER
- 2.0 ADOPTION OF THE AGENDA
- 3.0 ADOPTION OF THE MINUTES
- 4.0 OLD BUSINESS
- 5.0 NEW BUSINESS
 - 5.1 Permit Number: Legal Description:

Land Use District: Proposed Development:

5.2 Permit Number: 25-D00 Legal Description: Plan 02

> Land Use District: Proposed Development:

25-D0018 Plan 752 1277, Block 1, Lot 56 5432 – 51 Street, Gibbons, AB R-1 Single Family Residential District Install Roof Top Solar System

25-D0019 Plan 022 6718, Block 3, Lot 2A 5115 41 Street, Gibbons, AB M-1 Industrial District Install a 25' X 40' Modular Building

- 6.0 NEXT MPC MEETING June 28, 2025 (tentatively)
- 7.0 ADJOURNMENT

MUNICIPAL PLANNING COMMISSION (MPC)

REQUEST FOR DECISION

Proposed Development: Install Roof Top Solar System

Subject Site:	Lot 56, Block 1, Plan 752 1277 - 5432 – 51 Street, Gibbons, AB
Zoning:	R-1 Single Family Residential
Permit Number:	25-D0018

Application Information

An application for the installation of a residential flush mount roof mounted solar panel system was received by the planning department and deemed complete on May 14, 2025. The proposed development is a discretionary use in the R-1 Single Family District and as such has come to the MPC for a decision.

Section 2.21 of the Land Use Bylaw 8-06 requires that the roof mounted solar panels be located in a manner such that light reflection does not negatively impact adjacent properties.

Recommendation

That the Municipal Planning Commission approve the application for the installation of a residential flush mount roof mounted solar panel system to be located at 5432 – 51 Street - Lot 56, Block 1, Plan 752 1277, Gibbons, AB with the following conditions:

- 1. The roof mounted solar panels be located in a manner such that light reflection does not negatively impact adjacent properties.
- 2. Any future development or change in use will require a new permit application.
- 3. The approved development is for residential use only, any commercial use will require a new permit application.
- 4. All development must comply with all regulations and requirements of the Town of Gibbons Land Use Bylaw, the Alberta Safety Codes Act, and all other relevant legislation.
- 5. A person applying for, or in possession of a valid Development Permit is not relieved from full responsibility for ascertaining and complying with or carrying out development in accordance with the conditions of any covenant, caveat, easements, or other instrument effecting the building or the land.

Submitted By:

Susan Gingell, Development Officer





Hi-MO LR7-54HGBB 440~460M Suitable for the Distribution Market Advanced HPDC cell technology delivers superior module efficiency and power High bifaciality and excellent power temperature coefficient achieves high energy yield LONGi lifecycle quality ensures long-term performance 25-year Warranty for Materials and Processing 25 30-year Warranty for Extra Linear Power Output

Complete System and **Product Certifications** IEC 61215, IEC 61730, UL 61730 ISO9001:2015: ISO Quality Management System ISO14001: 2015: ISO Environment Management System 15045001: 2018: Occupational Health and Safety IEC62941: Guideline for module design qualification and type approval

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Hi-MO LR7-54HGBB 440~460M 0~3% POWER TOLERANCE 22.5% <1% FIRST VEAR POWER DEGRADATION 0.4% HALF-CELL YEAR 2-30 POWER DEGRADATION EFFICIENC Lower operating temperature Additional Value 30-Year Power Warranty Mechanical Parameters Cell Orientation 108 (6×18) Junction Box IP68 4mm²,+400,-200mm/±1400mm Output Cable length can be customized Glass Dual glass, 2.0+1.6mm semi-tempered glass Frame Anodized aluminum alloy frame Weight 23.6kg Dimension 1800×1134×30mm Packaging 36pcs per pallet / 216pcs per 20' GP / 864pcs per 40' HC Length: ±2mm Electrical Characteristics STC: AM1.5 1000W/m² 25°C NOCT: AM1.5 800W/m2 20°C 1m/s stainty for Protect Modul Type LR7-54HG8B-440M LR7-54HGBB-445M LR7-54HGBB-450M LR7-S4HGBB-455M LR7-S4HGBB-460M Testing Condition STC NOCT STC NOCT STC NOCT STC NOCT STC NOCT Max Power(Pmax/V/) 440 334.9 445 338.0 450 342.6 455 346 460 350 Open Circuit Voltage(Voc/V) 39.30 37.35 39.50 37.54 39,70 37,73 39.90 37.97 40.10 38.11 Short Circuit Current (Isc/A) 14.23 11.43 14.30 11.49 14.37 11.54 14.45 11.61 14.52 11.66 Voltage at Maximum Power (Vmp/V) 32.82 31.19 33.02 31.38 33.22 31.58 33.42 31.76 33.63 31.96 Current at Maximum Power (Imp/A) 13.41 31.19 13,49 10.80 13.55 10.85 13.62 10.91 13.68 10_95 Module Efficiency (%) 21.6 21.8 22.0 22.3 Electrical characteristics with different rear side power gain (reference to 450W front) Pmax /W Voc/V Isc /A Vmp/V Imp /A Pmaxgaln 473 39.70 15.09 33.22 14.22 495 39.70 15 81 33.22 14.90 518 39,80 16.53 33.32 15.58 540 39.60 17.25 33.32 16.26 563 30.80 17.96 33.32 16.93 **Operating Parameters** Mechanical Loading Operational Temperature -40°C -+85°C Front Side Maximum Static Loading (e.g. snow, wind 5400Pa Rear Side Maximum Static Loading (e.g. wind) Maximum System Voltage DC1500V (IEC/UL) 2400Pa Hailstone Test Maximum Series Fuse Rating 25mm Hallstone at the speed of 23m/s 30A Nominal Operating Cell Temperature 45±2°C Protection Class Class II Temperature Ratings (STC) Temperature Coefficient of Isc Bifaciality +0.045%/°C 80±10% Temperature Coefficient of Voc -0.230%/°C UL Type 38 Fire Rating Temperature Coefficient of Pmax IEC Class C -0.280%6/*C Specifications included in this datasheet No.8369 Shangyuan Road, XI'an Economic And Technological Development Zone, XI'an, Shaanxi, China. are subject to change without notice. LONGI reserves the right of final Interpretation. (20240124BetaVD1) DG LONG

Web: www.longl.com

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BOREAL CONTRACTOR: Boreal Co Ltd, (18132) ADDRESS: 5808 143 AVE NW, EDN AB TSA 1KD, CANADA PHONE: +17805042277 CONTRACTOR LICENSE #: 387014484-002 ELECTRICAL LICENSE #: EMAIL ID #: Jordan@myboreal.com REVISIONS DESCRIPTION DATE REV SIGNATURE & SEAL HOMEOWNER INFO **CYPHER-GALLAN** 51 ST, GIBBONS, AB T0A 1N0, CANADA PN: N/A PHONE: +17806907802 EMAIL: gallant44@outlook.com APN: N/A GEMMA 5432 SHEET NAME EQUIPMENT SPECIFICATION SHEET SIZE ANSI B 11" X 17' SHEET NUMBER PV-7

22.5

596

10%

15%

20%6

25%





Verification Letter

08-May-2025

Re: **GEMMA CYPHER-GALLANT** 5432 51 ST, GIBBONS, AB TOA 1N0, CANADA

To: BOREAL CONNECTED HOMES

This Letter intends to address the adequacy of existing trusses to support the additional panel and rail system at the above address for <u>both</u> House and Garage as shown on the drawings.

SEGEN personnel did not perform an in-person site inspection. Alternatively, photos of the existing roof trusses were provided to SEGEN Engineering by BOREAL crew for review.

Engineering Summary

Based on information provided, roof trusses are spaced at the max of 24" on-center and top chord members are minimum 2x4 in size, The existing roof trusses are considered adequate to support loads and wind uplift caused by new panels on rail systems.

There were no requests made by SEGEN Engineering for modifications to the existing roof trusses during panel installation.

Should you have any questions, do not hesitate to contact us.

Sincerely,



George Amin, P.Eng

Structural Engineer SEGEN Engineering APEGA Permit# 12023

MUNICIPAL PLANNING COMMISSION (MPC) REQUEST FOR DECISION

Proposed Development: Install 25' X 40' Modular Building on Blocks

Subject Site:	Lot 2A, Block 3, Plan 022 6718 – 5115 - 41 Street, Gibbons, AB
Zoning:	M-1 – Industrial District
Permit Number:	25-D0019

Application Information

An application for the installation of a 25' X 40' Modular Building on blocks was received by the planning department and deemed complete on May 22, 2025. The general contractor services is a discretionary use in the M-1 – Industrial District, as such the proposed development has come to the MPC for consideration.

The Land Use Bylaw 8-06 defines **"general contractor service"** as a development used for the provision of building construction, landscaping, concrete, electrical, excavation, drilling, heating, plumbing, paving, road construction, sewer or similar services of a construction nature which require on-site storage space for materials, construction equipment or vehicles normally associated with the contractor service. Any sales, display, office or technical support service areas shall be accessory to the principal use only.

Recommendation

That the Municipal Planning Commission approve the application for a 25' X 40' Modular Building on blocks to be located at 5115 - 41 Street - Lot 2A, Block 3, Plan 022 6718 Gibbons, AB with the following conditions:

- 1. All development must be in accordance with the approved site plan.
- 2. All loading and off-loading shall be done within the property.
- 3. Any future development will require a new permit application.
- 4. A person applying for, or in possession of a valid Development Permit is not relieved from full responsibility for ascertaining and complying with or carrying out development in accordance with the conditions of any covenant, caveat, easements, or other instrument effecting the building or the land.
- 5. All development must comply with all regulations and requirements of the Town of Gibbons Land Use Bylaw, the Alberta Safety Codes Act, and all other relevant legislation.

Submitted By:

Śus'an Gingell,

Development Officer







All Dimensions in Feet

