

From: [Ellen Angel](#)
To: [Penny Thompson](#)
Subject: FW: Caribou - Structure
Date: Wednesday, March 19, 2025 6:04:26 PM
Attachments: [image001.png](#)
[image002.png](#)
[29-013 - Caribou Police Station Progress Estimate 3-19-25.pdf](#)

Hot off the presses – pretty close to Rob’s number! So I think that’s a very excellent sign!
Ellen

From: Kyla Magnusson <kyla@pcmcompany.com>
Sent: Wednesday, March 19, 2025 5:47 PM
To: Ellen Angel <eangel@artifexae.com>
Subject: Re: Caribou - Structure

Hi Ellen,
Please see attached estimate for Caribou. Reach out with any questions you or the client has.

Thanks,
Kyla



From: Ellen Angel <eangel@artifexae.com>
Sent: Wednesday, March 19, 2025 4:14 PM
To: Kyla Magnusson <kyla@pcmcompany.com>
Subject: FW: Caribou - Structure

From: Scott Homer <shomer@artifexae.com>
Sent: Wednesday, March 19, 2025 4:11 PM
To: Ellen Angel <eangel@artifexae.com>
Subject: RE: Caribou - Structure

Ellen,

The roof structure for the High Roof is:

- 1 1/2" x 18 gage Type "B" roof deck over "SP-2" special profile open-web steel joists

The roof structure for the Main Roof is:

- 7/8" thickness, 60/32 APA Rated Plywood sheathing
OR
- 7/8" thickness, 32"oc APA-Rated "Sturd-I-Floor" roof deck

over Pre-engineered, Pre-fabricated wood trusses at 24" oc maximum spacing

The roof structure for the Canopy and Main Entrance Roof is:

- 1 1/2" x 18 gage Type "B" roof deck over "SP-1" special profile open-web steel joists

The roof structure for the Duty Office Roof is:

- 5/8" thickness, APA Rated Plywood sheathing
over 8" x 18 gage cold-formed metal joists at 16" o.c.

Standing-seam metal roofing goes over all of the exterior roofs/insulation. The exterior metal roofing should be double-lock standing seam. It appears that the Duty Office roof also gets a metal roof. I don't know if it is to be the same as the exterior roofs.

Contact me with any questions.

-Scott

Scott C. Homer, PE

Senior Structural Engineer



T. 207.974.3028

F. 207.941.1921

W. www.artifexae.com

175 Exchange Street

Bangor, ME 04401

From: Ellen Angel <eangel@artifexae.com>

Sent: Wednesday, March 19, 2025 2:31 PM

To: Scott Homer <shomer@artifexae.com>

Subject: FW: Caribou - Structure

From: Kyla Magnusson <kyla@pcmcompany.com>

Sent: Wednesday, March 19, 2025 12:24 PM

To: Ellen Angel <eangel@artifexae.com>

Subject: Re: Caribou - Structure

Also, do you have a key for the ceiling types? I can't find that on any drawing we have.



From: Kyla Magnusson

Sent: Wednesday, March 19, 2025 11:44 AM

To: Ellen Angel <eangel@artifexae.com>

Subject: Caribou - Structure

Hi Ellen,

The structural drawings indicate wood trusses at the roof. The architectural drawings indicate metal roof deck. Is the intent to put metal roof deck on the wood trusses?

Thanks,

Kyla



KYLA MAGNUSSON
PRINCIPAL | LEAD ESTIMATOR

📞 207.618.7500

📠 973.945.0525

🌐 kyla@pcmcompany.com

📍 94 Auburn Street, Suite 207, Portland, ME 04103



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