



Engineering and Construction Division
Justin Paterson, Manager
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Phone: (204) 956-2090 ext. 386

7 September 2016

Attention: Ms. Shelly Bauske
North Dakota Public Service Commission
600 E Boulevard Ave. Department 408
Bismarck, ND 58505

Re: Request for Variance – Platform Scales, Paterson Grain Bottineau ND Location

Ms. Bauske,

Pursuant to the requirements of NDAC 69-10-01-04.1 *Variance Permit Requests* please accept this correspondence as a formal request for variance with respect to the above noted facility.

Paterson Grain, LLC regrets to inform the North Dakota Public Service Commission (NDPSC) that two platform scales were constructed at the above noted facility enclosed within covering structures, and the requirement of minimum 60" from end of scale deck to inside face of the door as required by NDAC Title 69-10-02 was not adhered to. The length from the end of the scale deck to the door is approximately 12".

Paterson Grain, LLC confirms to the NDPSC that this situation is a result of an administrative oversight in its Canadian-based design department and not a deliberate attempt to contravene NDPSC regulations. We additionally confirm that modification of the structures to be in compliance with the length regulation would cause economic hardship to the applicant, as the covering sheds would need to be largely reconstructed.

The particulars of the weighing device (quantity 2) are as follows:

- Manufacturer: B-Tek Scales, Canton OH
- Model: BS-11010-200FECD-P-A Full Electronic Concrete Deck Pit Scale
- Constructor/Installer: Prairie Scale, Horace ND
- Capacity: 200,000 lbs design, 90,000 lbs certified
- Deck length: 110'
- Installation Location: Paterson Grain LLC, 1 Paterson Drive, Bottineau ND

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WM-16-631 Filed: 9/7/2016
Request for variance permit

Pages: 5

Paterson Grain, LLC

- Scale Serials: TS-06166889 and TS-06166890
- Indicators Rice Lake 920i Serials: 1772600152 and 1772600153

We additionally enclose a shop/approval drawing of the scale and a drawing of the enclosing structure for reference.

Paterson Grain, LLC, without purporting to understand the basis of this regulation, respectfully proposes that given the length of the scale deck (110') there will at all times be adequate clearance between the truck and door sill. The scale system was designed to accommodate up to the Transport Canada WB-23 design vehicle (Super-B Train) at approximately 82' overall vehicle length. The comparable standard is the AASHTO WB-62 at 68.5' overall vehicle length. Considering the worst case of the WB-23, there is still over 14' of clearance at either end of the vehicle to the end of the scale deck. Furthermore, as both scales will operate as "remote" weighing devices, a photo eye and camera system will be in use to ensure appropriate positioning of the vehicle on the scale.

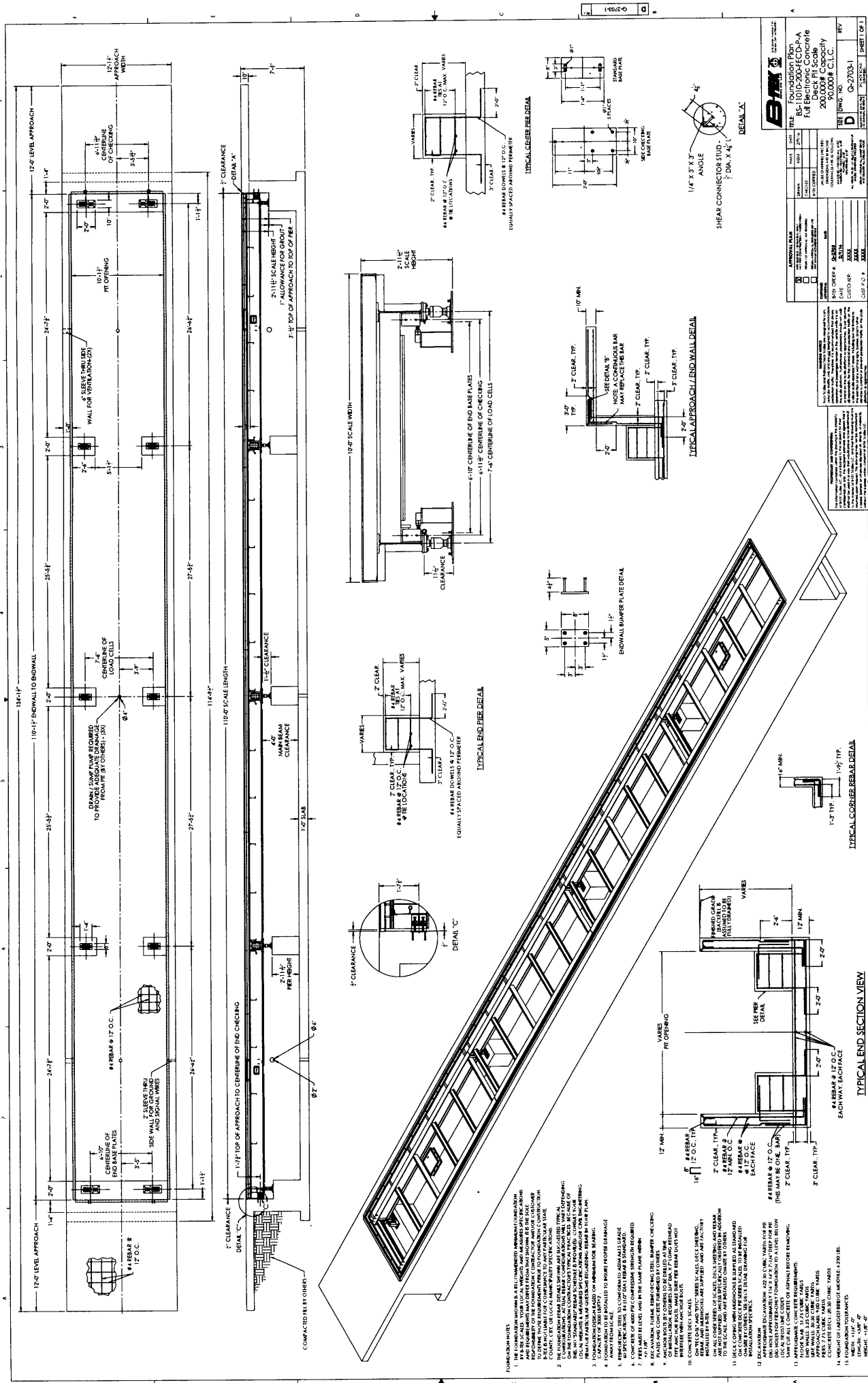
We thank you and the NDPSC for your consideration in this regard and look forward to your response. You may contact me at any time to discuss this matter further.

Yours Truly,

Justin Paterson, EIT
Engineering Manager
Paterson Grain, LLC

Enclosures:

1. 14-GND-T10 A009 R1 Architectural Planview of Scale Shed
2. BS-11010-200-FECD-P-A Scale Submittal Drawing



FOUNDATION PLAN
 BS-11010-200-FCC-P-A
 Full Electric Concrete
 200,000# Capacity
 90,000# C.I.C.

DATE: 03/20/11
 DRAWN BY: J. J. [unreadable]
 CHECKED BY: [unreadable]
 PROJECT NO.: G-2703-1
 SHEET NO.: 1 OF 1

- FOUNDATION NOTES:**
- THE FOUNDATION SHOWN IS A REPRESENTATIVE FOUNDATION AND DIMENSIONS MAY VARY FROM THAT SHOWN IN THE SCALE DRAWING TO MEET THE REQUIREMENTS OF THE FOUNDATION CONTRACTOR. CONTACT THE LOCAL MANUFACTURER FOR SPECIFICATIONS.
 - THE FOUNDATION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOUNDATION CONTRACTOR'S SPECIFICATIONS AND SHALL BE SUBJECT TO THE LOCAL MANUFACTURER'S SPECIFICATIONS AND TO THE LOCAL BUILDING DEPARTMENT'S REQUIREMENTS.
 - FOUNDATION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOUNDATION CONTRACTOR'S SPECIFICATIONS AND TO THE LOCAL BUILDING DEPARTMENT'S REQUIREMENTS.
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 - CONCRETE SHALL BE PLACED IN 12" TO 18" LAYER SHIMBARD.
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NO.	DATE	DESCRIPTION	BY	CHKD.
1	03/20/11	ISSUED FOR PERMIT	J. J. [unreadable]	[unreadable]
2	03/20/11	ISSUED FOR PERMIT	J. J. [unreadable]	[unreadable]
3	03/20/11	ISSUED FOR PERMIT	J. J. [unreadable]	[unreadable]
4	03/20/11	ISSUED FOR PERMIT	J. J. [unreadable]	[unreadable]
5	03/20/11	ISSUED FOR PERMIT	J. J. [unreadable]	[unreadable]
6	03/20/11	ISSUED FOR PERMIT	J. J. [unreadable]	[unreadable]
7	03/20/11	ISSUED FOR PERMIT	J. J. [unreadable]	[unreadable]
8	03/20/11	ISSUED FOR PERMIT	J. J. [unreadable]	[unreadable]
9	03/20/11	ISSUED FOR PERMIT	J. J. [unreadable]	[unreadable]
10	03/20/11	ISSUED FOR PERMIT	J. J. [unreadable]	[unreadable]
11	03/20/11	ISSUED FOR PERMIT	J. J. [unreadable]	[unreadable]
12	03/20/11	ISSUED FOR PERMIT	J. J. [unreadable]	[unreadable]
13	03/20/11	ISSUED FOR PERMIT	J. J. [unreadable]	[unreadable]
14	03/20/11	ISSUED FOR PERMIT	J. J. [unreadable]	[unreadable]
15	03/20/11	ISSUED FOR PERMIT	J. J. [unreadable]	[unreadable]

Bauske, Shelly A.

From: Justin Paterson <jp@pgfi.ca>
Sent: Tuesday, September 06, 2016 9:17 AM
To: Bauske, Shelly A.
Subject: Paterson Grain LLC - Bottineau ND

Good Morning Shelly,

I was passed your contact by Cooper Anderson of Prairie Scales with respect to the Paterson Grain Site at Bottineau, ND now finishing construction.

We have run into a bit of an oversight, namely that the shed constructed overtop of the truck platform scales (qty 2) is too short to be accepted under the NDAC Title 69-10-02 requirements. I will have to admit as a Canadian designer working in the US for the first time (though I went to university at UND) I was completely unaware of this regulation.

In any case, the problem is that we have constructed two platform type scales with 110' long scale decks, covered by a shed that would place the inside face of the overhead door approximately 12" past the end of the scale deck. It is now my understanding that the regulation requires at least 60".

I am wondering Shelly if we could discuss what if any leniency the NDPSC might consider in this situation, or if we must modify the structure. The facility would like to be open for business to catch the bean harvest in approximately three weeks which would require at least an interim permitted use of the non-compliant scales (perhaps without doors installed).

Please let me know what is your availability and preferred time for a chat this week.
Thank you kindly.
Justin

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