



June 7, 2017

Konrad Crockford, Director
North Dakota Public Service Commission
600 E. Boulevard, Dept. 408
Bismarck, ND 58505
701-328-2400



RE: CAT Scale unit @
Stamart Travel Center, 3936 E. Divide Ave., Bismarck, ND 58504

Dear Konrad,

CAT Scale Company would like to request a variance from North Dakota Weights & Measures Requirement 69-10-02-06, for the truck scale at 3936 E. Divide Ave., Bismarck, ND 58504 located at the Stamart Travel Center.

We are proposing to replace the existing scale decks that are nearing the end of the service life of 23 years with a new I Beam supported scale platform while keeping the existing scale foundation in place. The I Beam supported scale platform will add structural rigidity for the long term condition of the concrete and add protection for the load cells and checking from ice in the Northern states. CAT Scale Company has over 1750 truck scales in truck stops across the United States and Canada. All of our new scales since 2000 have been I Beam supported. Our maintenance costs have decreased with the upgrade to the checking systems and the removal of the gap covers and we have found the scales to be more reliable. The new scale will be a Fairbanks, PLT2600

This proposed scale would have a clearance of 2'-7 3/4" under the I Beams, leaving 3'-6 1/8" head room from the floor to the cross members, and 4'-1-1/16" from the floor to the bottom of the scale decks. All inspections, maintenance and repairs for the scale can be accomplished between the I Beams and cross members. All scale modules would have manholes and the new scale would serve us well for the next thirty years. Construction of the new piers will be done by CAT Scale Company this summer and placed into service by a registered scale company before the winter season.

The only remaining alternative would be to replace the entire scale foundation with a new foundation. We consider the replacement of the scale foundation to be economically unfeasible. The cost for a new foundation installed, placed in service, and the downtime would be over \$100,000, this would not include the new scale decks.

CAT Scale Company is dedicated to providing our customers with accurate, guaranteed weights. We will continue to install and maintain the highest quality equipment available.

We greatly appreciate your consideration for a variance. If you have any questions please call me at (563)-468-5226.

Sincerely,

Ryan Duncan

Ryan Duncan, Construction Coordinator

CAT Scale Company · P.O. Box 630 · Walcott, IA 52773 · 563-284-6263

CAT Scale Company of Texas. L.P. · P.O. Box 865 ·

www.catscale.com

1 **WM-17-255** Filed: 6/8/2017 Pages: 9
Request for variance permit

CAT Scale Company



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RE: CAT Scale unit @
Stamart Travel Center, 3936 E. Divide Ave., Bismarck, ND 58504

Dear Konrad,

Below is the information for the scale decks:

Manufacture's Name: Fairbanks
Type: I-Beam with concrete deck
Location: Deck 1, Exit End
Serial Number: 11260-R, Model number PLT-2600-C1, Part number 164323
Deck Length: 15ft
Capacity of the Device: 70,000lb

Manufacture's Name: Fairbanks
Type: I-Beam with concrete deck
Location: Deck 2, 2nd from Exit End
Serial Number: 11261-R, Model number PLT-2600-C2, Part number 164323
Deck Length: 20ft
Capacity of the Device: 70,000lb

Manufacture's Name: Fairbanks
Type: I-Beam with concrete deck
Location: Deck 3&4, 2 Entrance End Decks
Serial Number: 11262-R, Model number PLT-2600-C3, Part number 164323
Deck Length: 40ft
Capacity of the Device: 150,000lb

If you have any questions please call me at (563)-468-5226.

Sincerely,

Ryan Duncan

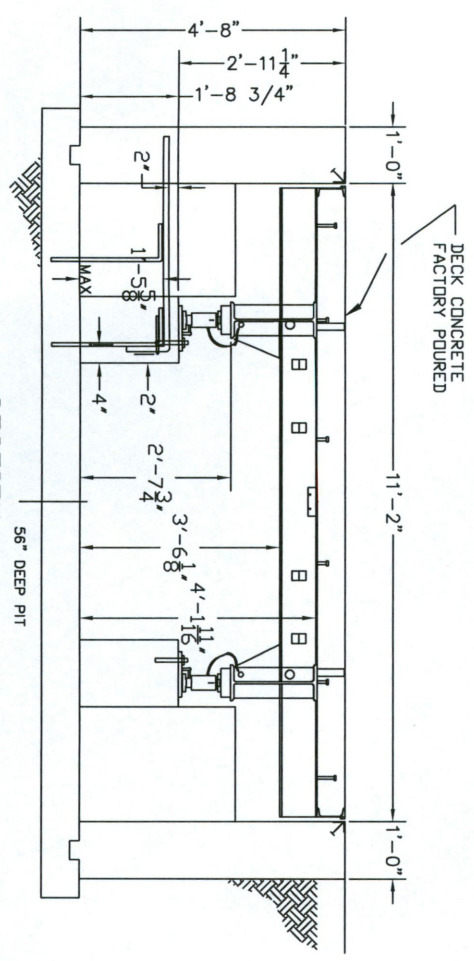
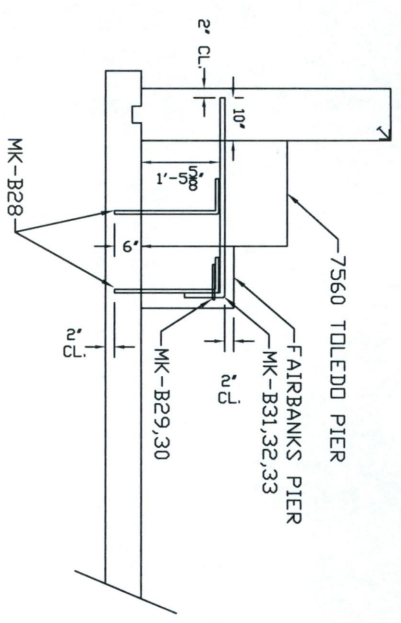
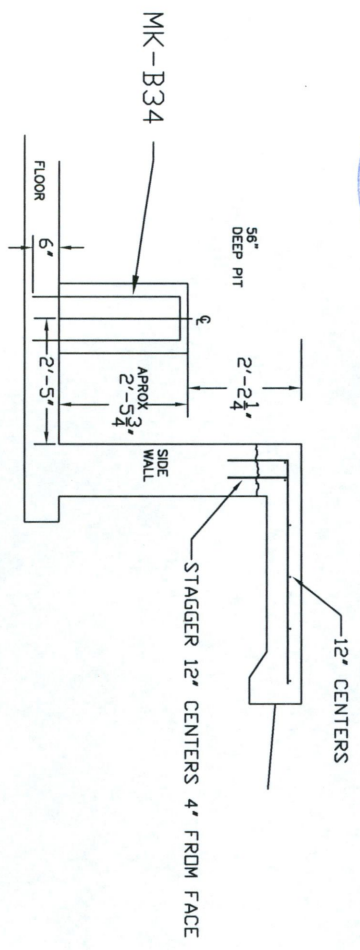
Ryan Duncan, Construction Coordinator

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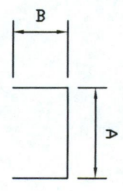
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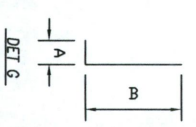
SECTION A-A
 56" DEEP PIT

REINFORCING STEEL SCHEDULE - 4'-8" PIT

MARK	QTY	DESCRIPTION	LENGTH	A	B
B28	40	# 6 BENT - DET G	1'-11 5/8"	0'-8"	2'-3 5/8"
B29	4	# 4 BENT - DET F	6'-0"	4'-8"	0'-8"
B30	2	# 4 BENT - DET F	3'-0"	1'-8"	0'-8"
B31	20	# 9 BENT - DET G	4'-8 1/2"	0'-9"	3'-11 1/2"
B32	4	# 9 BENT - DET G	2'-8"	0'-8"	2'-0"
B33	4	# 9 BENT - DET G	3'-9"	0'-8"	3'-1"
B34	32	# 4 BENT - DET F	5'-2"	0'-10"	3'-2"



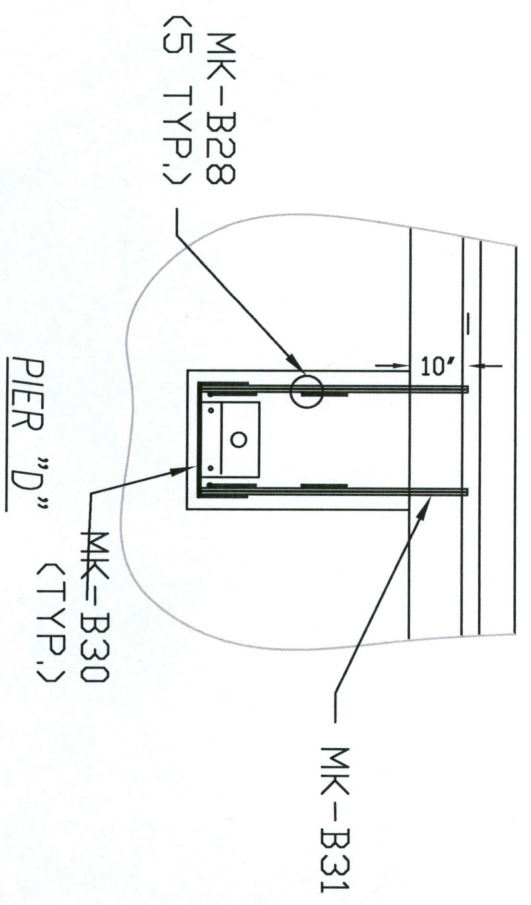
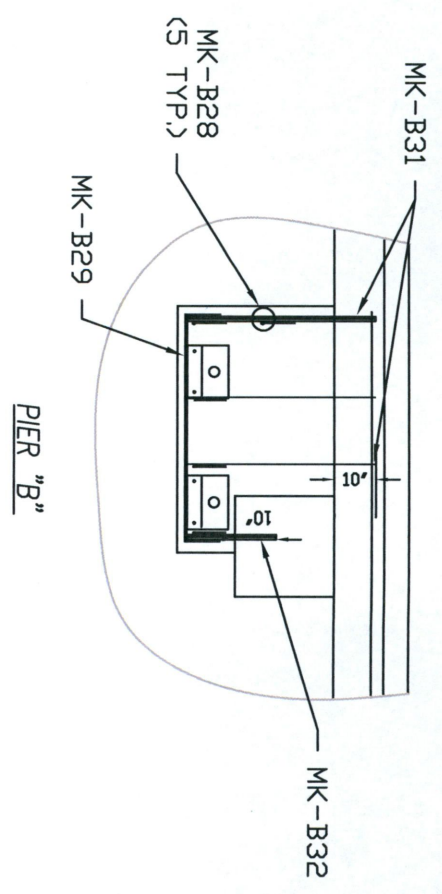
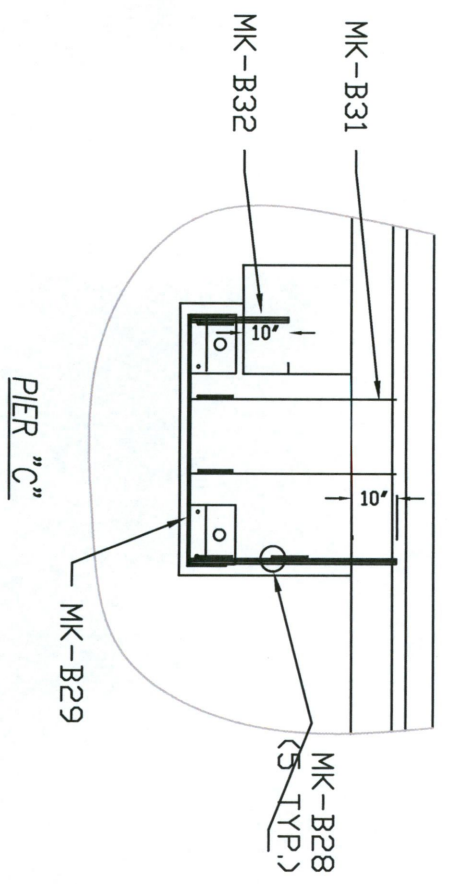
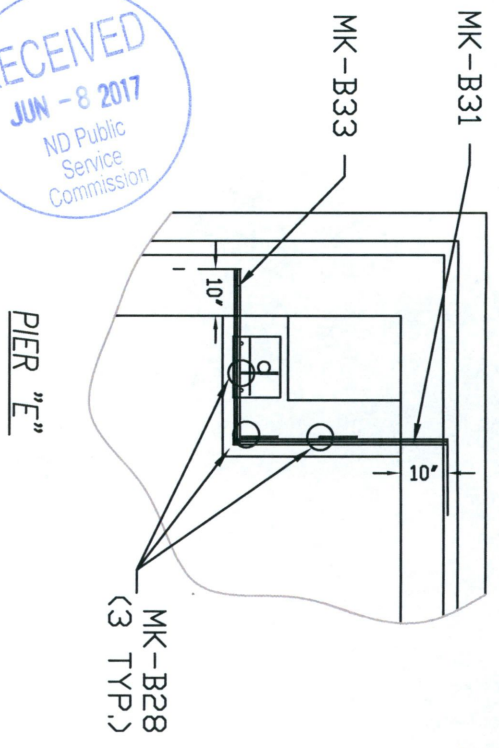
DET F



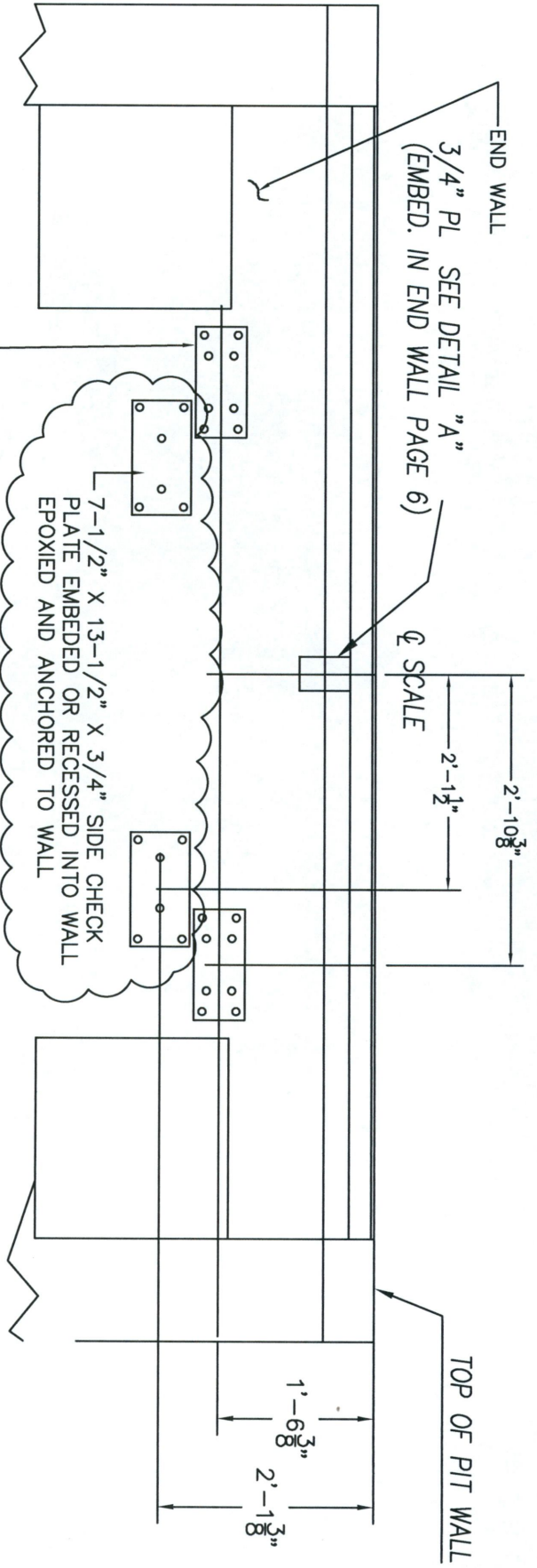
DET G

NOTE:
 ALL REINFORCING STEEL TO BE ASTM A615 GRADE 60 DEFORMED.
 ALL BENDING MUST BE COLD FORMED.

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END WALL CHECKING DETAIL
 TYPICAL FOR EACH END WALL

RECEIVED
JULY 2017



E Bismarck Expy

E Bismarck

U.S. Bank ATM

Marlin's

Stamart Travel Centers
\$2.38/Regular

CAT
SCALE



Mo

Bauske, Shelly A.



From: Ryan.Duncan@iowa80group.com
Sent: Thursday, June 08, 2017 11:33 AM
To: Bauske, Shelly A.
Subject: CAT Scale #380 - Bismarck, ND Variance Request
Attachments: Deckset Drawing w-56in pit.pdf; 4'8 Ex. Pit Plan.pdf; 4'8 Ex. Pit Cross Section Details.pdf; 4'8 Ex. Pit Plan Details.pdf; 4' Existing Scale Pit Endwall LAYOUT.pdf; Aerial View.JPG; Narrow I-Beam Info Letter.pdf; Variance Request Letter.pdf

CAUTION: This email originated from an outside source. Do not click links or open attachments unless you know they are safe.

Please find attached an letters and drawings for an existing CAT Scale location and a request for a variance.

We greatly appreciate your consideration for a variance. If you have any questions please call me at (563)-468-5226.

Thank You,
Ryan Duncan, Construction Coordinator



CAT Scale Company
515 Sterling Drive, PO Box 630
Walcott, Iowa 52773
Direct: (563)-468-5226
eFax: (563)-594-5247