

Exam Date:08/14/2018

Rugby Farmers Union Elevator Company

Page: 1

Examiner: 1

PO Box 286

Rugby , ND

County:

Phone: 701-776-5214

CCC Number:

Location/Container Numbers/Comments	Section	Capacity
<b>PART A - ADDITIONAL SPACE TO BE INCLUDED UNDER LICENSE</b>		
722	A	417,602
723	A	417,602
724	A	417,602
	<b>Total:</b>	<b>1,252,806</b>
<b>PART B - SPACE TO BE DELETED UNDER LICENSE</b>		
<NO BINS DELETED>		
	<b>Total:</b>	<b>0</b>
<b>PART C - ALL SPACE TO BE INCLUDED UNDER LICENSE</b>		
	A	3,751,000
	D	71,000
	E	130,000
	F	40,000
	H	338,000
	<b>Total:</b>	<b>4,330,000</b>
<b>PART D - TOTAL CAPACITY BY FUNCTIONAL UNIT</b>		
Rugby 177	A	3,751,000
Willow City 178	D E F	241,000
York 1099	H	338,000
	<b>Total:</b>	<b>4,330,000</b>

Exam Date:08/14/2018  
 Examiner: 1

Rugby Farmers Union Elevator Company  
 PO Box 286  
 Rugby, ND  
 County:

Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Ireg).	Length	Width	Side wall	Add for Hopper	Dec. for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack
--------	---------	------------	----------	------------	---------------------------	--------	-------	-----------	----------------	----------------	-----------------	--------------	------------------	------------------	------------	---------------------------

## Facility: Rugby

### Section: A

A	001	Square	work floor		0.000	6.900	5.800	68.00	0.00	0.00	68.000	0.000	68.0	32.2	2.50	2,245
A	003	Square	work floor		0.000	11.10	3.900	63.00	0.00	0.00	63.000	0.000	63.0	34.8	3.00	2,258
A	004	Square	work floor		0.000	5.300	4.600	66.00	0.00	0.00	66.000	0.000	66.0	19.6	2.00	1,320
A	005	Square	work floor		0.000	5.400	4.600	66.00	0.00	0.00	66.000	0.000	66.0	20.0	2.00	1,346
A	006 T	Square	work floor		0.000	11.00	6.000	66.00	0.00	0.00	66.000	0.000	66.0	53.1	4.50	3,663
A	006 B	Square	work floor -top 66'		0.000	11.10	11.00	24.00	0.00	0.00	24.000	0.000	24.0	98.2	6.00	2,498
A	007	Square	work floor		0.000	7.100	5.800	68.00	0.00	0.00	68.000	0.000	68.0	33.1	2.50	2,307
A	009	Square	work floor		0.000	12.10	3.500	68.00	0.00	0.00	68.000	0.000	68.0	34.0	2.50	2,370
A	010	Square	work floor		0.000	7.100	5.800	68.00	0.00	0.00	68.000	0.000	68.0	33.1	2.50	2,307
A	011	Square	work floor		0.000	6.900	5.800	68.00	0.00	0.00	68.000	0.000	68.0	32.2	2.50	2,245
A	012	Square	work floor		0.000	11.00	11.00	90.00	0.00	0.00	90.000	0.000	90.0	97.3	6.00	9,282
A	013	Irregular	work floor 11x6.9 less		43.600	0.000	0.000	68.00	0.00	0.00	68.000	0.000	68.0	43.6	3.50	3,069
A	016 T	Square	work floor		0.000	6.900	5.300	20.00	0.00	0.00	20.000	0.000	20.0	29.4	2.50	603
A	016 B	Square	work floor -top 20'		0.000	11.00	6.900	48.00	0.00	0.00	48.000	0.000	48.0	61.0	4.80	3,069
A	020	Square	work floor		0.000	11.00	11.00	90.00	0.00	0.00	90.000	0.000	90.0	97.3	6.00	9,282
A	021	Square	work floor		0.000	6.900	5.800	68.00	0.00	0.00	68.000	0.000	68.0	32.2	2.50	2,245
A	022	Square	work floor		0.000	7.100	5.800	68.00	0.00	0.00	68.000	0.000	68.0	33.1	2.50	2,307
A	024	Square	work floor		0.000	12.10	3.500	68.00	0.00	0.00	68.000	0.000	68.0	34.0	2.50	2,370
A	025	Square	work floor		0.000	7.100	5.800	68.00	0.00	0.00	68.000	0.000	68.0	33.1	2.50	2,307
A	026 T	Square	work floor		0.000	11.00	4.100	66.00	0.00	0.00	66.000	0.000	66.0	36.3	3.00	2,468
A	026 B	Square	work floor -top 66'		0.000	11.10	11.00	24.00	0.00	0.00	24.000	0.000	24.0	98.2	6.00	2,498

Client ID: 182

### NDPSC Bin Capacity Chart

09/20/2018 10:12:33 AM

Exam Date:08/14/2018  
Examiner: 1

Rugby Farmers Union Elevator Company  
PO Box 286  
Rugby, ND  
County:

Page: 2

Status	Section	Bin Number	Bin Type	Base Point	Diameter		Side	Add	Ded.	Effective	Add	Depth	Bushels	Base	Bushel Capacity
					or Bu/Ft (Ireg).	Length									

## Facility: Rugby

### Section: A

A	027	Square	work floor	0.000	6.500	5.400	66.00	0.00	0.00	66.000	0.000	66.0	28.2	2.50	1,908
A	028	Square	work floor	0.000	6.500	5.300	66.00	0.00	0.00	66.000	0.000	66.0	27.7	2.50	1,874
A	029	Square	work floor	0.000	11.10	3.900	64.00	0.00	0.00	64.000	0.000	64.0	34.8	3.00	2,294
A	030	Square	work floor	0.000	6.900	5.800	68.00	0.00	0.00	68.000	0.000	68.0	32.2	2.50	2,245
A	031	Irregular	work floor	65.300	0.000	0.000	76.00	0.00	0.00	76.000	0.000	76.0	65.3	5.00	5,211
A	032	Round	work floor	18.000	0.000	0.000	95.00	0.00	0.00	95.000	0.000	95.0	204.6	6.00	20,603
A	033	Round	work floor	18.000	0.000	0.000	95.00	0.00	0.00	95.000	0.000	95.0	204.6	6.00	20,603
A	034	Irregular	work floor	23.400	0.000	0.000	98.00	0.00	0.00	98.000	0.000	98.0	23.4	2.00	2,339
A	101	Square	work floor	0.000	9.100	7.500	70.00	0.00	0.00	70.000	0.000	70.0	54.9	4.50	4,016
A	102	Round	work floor	18.000	0.000	0.000	100.0	0.00	0.00	100.000	0.000	100.0	204.6	6.00	21,688
A	103	Round	work floor	18.000	0.000	0.000	100.0	0.00	0.00	100.000	0.000	100.0	204.6	6.00	21,688
A	104	Irregular	work floor	47.800	0.000	0.000	95.00	0.00	0.00	95.000	0.000	95.0	47.8	4.00	4,723
A	105	Round	work floor	18.000	0.000	0.000	100.0	0.00	0.00	100.000	0.000	100.0	204.6	6.00	21,688
A	106	Round	work floor	18.000	0.000	0.000	100.0	0.00	0.00	100.000	0.000	100.0	204.6	6.00	21,688
A	107	Irregular	work floor	47.800	0.000	0.000	95.00	0.00	0.00	95.000	0.000	95.0	47.8	4.00	4,723
A	108	Round	work floor	18.000	0.000	0.000	100.0	0.00	0.00	100.000	0.000	100.0	204.6	6.00	21,688
A	109	Round	work floor	18.000	0.000	0.000	100.0	0.00	0.00	100.000	0.000	100.0	204.6	6.00	21,688
A	110	Irregular	work floor	47.800	0.000	0.000	95.00	0.00	0.00	95.000	0.000	95.0	47.8	4.00	4,723
A	111	Round	work floor	18.000	0.000	0.000	100.0	0.00	0.00	100.000	0.000	100.0	204.6	6.00	21,688
A	112	Round	work floor	18.000	0.000	0.000	100.0	0.00	0.00	100.000	0.000	100.0	204.6	6.00	21,688
A	113	Irregular	work floor	47.800	0.000	0.000	95.00	0.00	0.00	95.000	0.000	95.0	47.8	4.00	4,723

Client ID: 182

### NDPSC Bin Capacity Chart

09/20/2018 10:12:33 AM

Exam Date: 08/14/2018

Rugby Farmers Union Elevator Company

Page: 3

Examiner: 1

PO Box 286  
Rugby, ND  
County:

Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Ireg).	Length	Width	Side wall	Add for Hopper	Det. for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack
--------	---------	------------	----------	------------	------------------------------	--------	-------	--------------	----------------------	----------------------	--------------------	--------------------	------------------------	------------------------	---------------	------------------------------

## Facility: Rugby

### Section: A

A	114	Round	work floor		18.000	0.000	0.000	100.0	0.00	0.00	100.00	0.000	100.0	204.6	6.00	21,688
A	115	Round	work floor		18.000	0.000	0.000	100.0	0.00	0.00	100.00	0.000	100.0	204.6	6.00	21,688
A	211	Round	top of slab		36.000	0.000	0.000	136.5	0.00	0.00	136.50	0.000	136.5	818.2	10.0	122,852
A	212	Round	top of slab		36.000	0.000	0.000	136.5	0.00	0.00	136.50	0.000	136.5	818.2	10.0	122,852
A	213	Peaked	top of sidewall		36.000	0.000	0.000	70.00	0.00	0.00	70.000	2.200	72.2	818.2	10.0	64,981
A	214	Peaked	top of sidewall		36.000	0.000	0.000	70.00	0.00	0.00	70.000	2.200	72.2	818.2	10.0	64,981
A	215	Peaked	top of sidewall		36.000	0.000	0.000	70.00	0.00	0.00	70.000	2.200	72.2	818.2	10.0	64,981
A	301 T	Square	work floor		0.000	14.30	13.20	60.00	0.00	0.00	60.000	0.000	60.0	151.7	6.80	9,721
A	301 B	Square	work floor-top 60'		0.000	13.10	11.50	8.500	0.00	0.00	8.500	0.000	8.5	121.1	6.50	1,096
A	302 T	Square	work floor		0.000	14.30	13.20	60.00	0.00	0.00	60.000	0.000	60.0	151.7	6.80	9,721
A	302 B	Square	work floor-top 60'		0.000	13.10	11.50	8.500	0.00	0.00	8.500	0.000	8.5	121.1	6.50	1,096
A	303 T	Square	work floor		0.000	14.30	13.40	60.00	0.00	0.00	60.000	0.000	60.0	154.0	6.80	9,868
A	303 B	Square	work floor-top 60'		0.000	13.30	11.50	8.500	0.00	0.00	8.500	0.000	8.5	123.0	6.50	1,114
A	304 T	Square	work floor		0.000	14.30	13.40	60.00	0.00	0.00	60.000	0.000	60.0	154.0	6.80	9,868
A	304 B	Square	work floor-top 60'		0.000	13.30	11.50	8.500	0.00	0.00	8.500	0.000	8.5	123.0	6.50	1,114
A	305 T	Square	work floor		0.000	14.30	13.40	60.00	0.00	0.00	60.000	0.000	60.0	154.0	6.80	9,868
A	305 B	Square	work floor-top 60'		0.000	13.30	11.50	8.500	0.00	0.00	8.500	0.000	8.5	123.0	6.50	1,114
A	306 T	Square	work floor		0.000	14.30	13.40	60.00	0.00	0.00	60.000	0.000	60.0	154.0	6.80	9,868
A	306 B	Square	work floor-top 60'		0.000	13.30	11.50	8.500	0.00	0.00	8.500	0.000	8.5	123.0	6.50	1,114
A	307 T	Square	work floor		0.000	14.30	13.40	60.00	0.00	0.00	60.000	0.000	60.0	154.0	6.80	9,868
A	307 B	Square	work floor-top 60'		0.000	13.30	11.50	8.500	0.00	0.00	8.500	0.000	8.5	123.0	6.50	1,114

Client ID: 182

### NDPSC Bin Capacity Chart

09/20/2018 10:12:33 AM

Exam Date:08/14/2018

Rugby Farmers Union Elevator Company

Page: 4

Examiner: 1

PO Box 286  
Rugby, ND  
County:

Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Ireg).	Length	Width	Side wall	Add for Hopper	Det. for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack
--------	---------	------------	----------	------------	---------------------------	--------	-------	-----------	----------------	----------------	-----------------	--------------	------------------	------------------	------------	---------------------------

## Facility: Rugby

### Section: A

A		308 T	Square	work floor	0.000	14.30	13.40	60.00	0.00	0.00	60.000	0.000	60.0	154.0	6.80	9,868
A		308 B	Square	work floor-top 60'	0.000	13.30	11.50	8.500	0.00	0.00	8.500	0.000	8.5	123.0	6.50	1,114
A		309 T	Square	work floor	0.000	14.30	13.20	60.00	0.00	0.00	60.000	0.000	60.0	151.7	6.80	9,721
A		309 B	Square	work floor-top 60'	0.000	13.10	11.50	8.500	0.00	0.00	8.500	0.000	8.5	121.1	6.50	1,096
A		310 T	Square	work floor	0.000	14.30	13.20	60.00	0.00	0.00	60.000	0.000	60.0	151.7	6.80	9,721
A		310 B	Square	work floor-top 60'	0.000	13.10	11.50	8.500	0.00	0.00	8.500	0.000	8.5	121.1	6.50	1,096
A		401	Square	top of cribbing 4.5' below	0.000	9.700	7.800	21.00	0.00	0.00	21.000	0.000	21.0	60.8	4.80	1,338
A		402	Square	top of cribbing 4.5' below	0.000	9.700	11.30	33.00	0.00	0.00	33.000	0.000	33.0	88.1	5.80	3,076
A		403	Square	top of cribbing 4.5' below	0.000	9.500	7.800	22.00	0.00	0.00	22.000	0.000	22.0	59.6	4.80	1,374
A		404	Square	top of cribbing 4.5' below	0.000	9.500	11.30	33.00	0.00	0.00	33.000	0.000	33.0	86.3	5.80	3,013
A		405	Square	top of cribbing 4.5' below	0.000	9.600	7.800	12.00	0.00	0.00	12.000	0.000	12.0	60.2	4.80	757
A		406	Square	top of cribbing 4.5' below	0.000	9.600	11.30	33.00	0.00	0.00	33.000	0.000	33.0	87.2	5.80	3,045
A		502	Square	work floor	0.000	9.500	9.200	27.00	0.00	0.00	27.000	0.000	27.0	70.3	5.20	1,997
A		503	Square	work floor	0.000	9.500	9.300	49.00	0.00	0.00	49.000	0.000	49.0	71.0	5.20	3,660
A		505	Square	work floor	0.000	9.700	9.300	33.00	0.00	0.00	33.000	0.000	33.0	72.5	5.20	2,517
A		506	Square	work floor	0.000	9.700	6.500	35.00	0.00	0.00	35.000	0.000	35.0	50.7	4.50	1,855
A		507	Square	work floor	0.000	9.400	9.300	49.00	0.00	0.00	49.000	0.000	49.0	70.3	5.20	3,624
A		508	Square	work floor	0.000	9.400	6.500	29.00	0.00	0.00	29.000	0.000	29.0	49.1	4.20	1,484
A		510	Square	work floor	0.000	9.700	6.500	35.00	0.00	0.00	35.000	0.000	35.0	50.7	4.50	1,855
A		511	Square	work floor	0.000	9.400	6.500	29.00	0.00	0.00	29.000	0.000	29.0	49.1	4.20	1,484
A		512	Square	work floor	0.000	9.400	9.200	49.00	0.00	0.00	49.000	0.000	49.0	69.5	5.20	3,583

Exam Date:08/14/2018  
 Examiner: 1

Rugby Farmers Union Elevator Company  
 PO Box 286  
 Rugby, ND  
 County:

Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Ireg).	Length	Width	Side wall	Add for Hopper	Depth for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack
--------	---------	------------	----------	------------	---------------------------	--------	-------	-----------	----------------	-----------------	-----------------	--------------	------------------	------------------	------------	---------------------------

**Facility: Rugby**

**Section: A**

A		515	Square	work floor	0.000	9.700	9.200	49.00	0.00	0.00	49.000	0.000	49.0	71.7	5.20	3,696
A		516	Square	blind below 502 msre thru	0.000	9.500	9.200	22.00	0.00	0.00	22.000	0.000	22.0	70.3	5.20	1,627
A		517	Square	work floor	0.000	9.500	6.500	35.00	0.00	0.00	35.000	0.000	35.0	49.6	4.20	1,809
A		601	Round	top of slab	25.000	0.000	0.000	129.3	6.30	0.00	135.60	0.000	135.6	394.6	8.00	57,789
A		602	Round	top of slab	26.000	0.000	0.000	126.0	6.50	0.00	132.50	0.000	132.5	426.8	8.20	61,188
A		603	Round	top of slab	26.000	0.000	0.000	126.0	6.50	0.00	132.50	0.000	132.5	426.8	8.20	61,188
A		604	Round	top of slab	25.000	0.000	0.000	129.3	6.30	0.00	135.60	0.000	135.6	394.6	8.00	57,789
A		605	Round	top of slab	17.100	0.000	0.000	56.00	0.00	0.00	56.000	0.000	56.0	184.6	5.80	10,938
A		606	Irregular	top of slab	39.100	0.000	0.000	115.0	0.00	0.00	115.00	0.000	115.0	39.1	3.00	4,632
A		607	Irregular	top of slab	39.100	0.000	0.000	115.0	0.00	0.00	115.00	0.000	115.0	39.1	3.00	4,632
A		608	Irregular	top of slab	94.600	0.000	0.000	115.5	0.00	0.00	115.50	0.000	115.5	94.6	6.00	11,582
A		609	Irregular	top of slab	94.600	0.000	0.000	115.5	0.00	0.00	115.50	0.000	115.5	94.6	6.00	11,582
A		610	Irregular	top of slab	78.900	0.000	0.000	115.5	0.00	0.00	115.50	0.000	115.5	78.9	5.50	9,614
A		611	Irregular	top of slab	64.300	0.000	0.000	115.5	0.00	0.00	115.50	0.000	115.5	64.3	5.00	7,798
A		612	Irregular	top of slab	36.300	0.000	0.000	115.5	0.00	0.00	115.50	0.000	115.5	36.3	3.00	4,319
A		613	Irregular	top of slab	36.300	0.000	0.000	115.5	0.00	0.00	115.50	0.000	115.5	36.3	3.00	4,319
A		614	Irregular	top of slab	30.700	0.000	0.000	120.0	0.00	0.00	120.00	0.000	120.0	30.7	2.50	3,776
A		615	Irregular	top of slab	37.500	0.000	0.000	123.0	0.00	0.00	123.00	0.000	123.0	37.5	3.00	4,751
A		616	Round	top of slab	50.000	0.000	0.000	133.5	0.00	0.00	133.50	0.000	133.5	1578.4	10.0	231,788
A		617	Round	top of slab	50.000	0.000	0.000	133.5	0.00	0.00	133.50	0.000	133.5	1578.4	10.0	231,788
A		701	Irregular	top of slab	218.81	16.50	16.50	45.00	3.00	0.00	48.000	0.000	48.0	218.8	7.00	11,238

Exam Date:08/14/2018  
 Examiner: 1

Rugby Farmers Union Elevator Company  
 PO Box 286  
 Rugby, ND  
 County:

Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Irreg).	Length	Width	Side wall	Add for Hopper	Ded. for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack
--------	---------	------------	----------	------------	----------------------------	--------	-------	-----------	----------------	----------------	-----------------	--------------	------------------	------------------	------------	---------------------------

## Facility: Rugby

### Section: A

A		702	Irregular	top of slab	106.75	11.52	11.52	94.50	2.30	0.00	96.800	0.000	96.8	106.7		10,974
A		703	Irregular	top of slab	106.75	11.52	11.52	94.50	2.30	0.00	96.800	0.000	96.8	106.7		10,974
A		704	Irregular	top of slab	109.89	11.69	11.69	91.00	2.30	0.00	93.300	0.000	93.3	109.8		10,889
A		705	Irregular	top of slab	109.89	11.69	11.69	91.00	2.30	0.00	93.300	0.000	93.3	109.8		10,889
A		706	Irregular	top of slab	109.89	11.69	11.69	91.00	2.30	0.00	93.300	0.000	93.3	109.8		10,889
A		707	Irregular	top of slab	109.89	11.69	11.69	91.00	2.30	0.00	93.300	0.000	93.3	109.8		10,889
A		708	Irregular	top of slab	109.89	11.69	11.69	91.00	2.30	0.00	93.300	0.000	93.3	109.8		10,889
A		709	Irregular	top of slab	109.89	11.69	11.69	91.00	2.30	0.00	93.300	0.000	93.3	109.8		10,889
A		710	Irregular	top of slab	56.430	8.378	8.378	141.5	0.80	0.00	142.30	0.000	142.3	56.4		8,415
A		711	Round	top of slab	28.000	0.000	0.000	141.0	0.00	0.00	141.00	0.000	141.0	495.0		75,728
A		712	Round	top of slab	28.000	0.000	0.000	141.0	0.00	0.00	141.00	0.000	141.0	495.0		75,728
A		713	Irregular	top of slab	122.03	12.32	12.32	137.8	2.10	0.00	139.85	0.000	139.9	122.0		18,182
A		714	Round	top of slab	28.000	0.000	0.000	141.0	0.00	0.00	141.00	0.000	141.0	495.0		75,728
A		715	Round	top of slab	28.000	0.000	0.000	141.0	0.00	0.00	141.00	0.000	141.0	495.0		75,728
A		716	Irregular	top of slab	122.03	12.32	12.32	137.8	2.10	0.00	139.85	0.000	139.9	122.0		18,182
A		717	Round	top of slab	28.000	0.000	0.000	141.0	0.00	0.00	141.00	0.000	141.0	495.0		75,728
A		718	Round	top of slab	28.000	0.000	0.000	141.0	0.00	0.00	141.00	0.000	141.0	495.0		75,728
A		719	Irregular	top of slab	122.03	12.32	12.32	137.8	2.10	0.00	139.85	0.000	139.9	122.0		18,182
A		720	Round	top of slab	28.000	0.000	0.000	141.0	0.00	0.00	141.00	0.000	141.0	495.0		75,728
A		721	Round	top of slab	28.000	0.000	0.000	141.0	0.00	0.00	141.00	0.000	141.0	495.0		75,728
A		722	Round	1.2' from top of hatch	64.800	0.000	0.000	143.2	0.00	0.00	143.20	0.000	143.2	2651.1		417,602

Exam Date:08/14/2018

Examiner: 1

Rugby Farmers Union Elevator Company

PO Box 286

Rugby, ND

County:

Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Ireg).	Length	Width	Side wall	Add for Hopper	Dec. for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack
--------	---------	------------	----------	------------	---------------------------	--------	-------	-----------	----------------	----------------	-----------------	--------------	------------------	------------------	------------	---------------------------

**Facility: Rugby**

**Section: A**

Added	A	723	Round	1.2' from top of hatch	64.800	0.000	0.000	143.2	0.00	0.00	143.20	0.000	143.2	2651.1	10.0	417,602
Added	A	724	Round	1.2' from top of hatch	64.800	0.000	0.000	143.2	0.00	0.00	143.20	0.000	143.2	2651.1	10.0	417,602

Bin count: 128

Facility: Rugby Section: A Total: 3,750,109

To Even: 3,751,000

Client ID: 182

### NDPSC Bin Capacity Chart

09/20/2018 10:12:33 AM

Exam Date:08/14/2018  
Examiner: 1

Rugby Farmers Union Elevator Company  
PO Box 286  
Rugby, ND  
County:

Page: 8

Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Irreg).	Length	Width	Side for wall	Add for Hopper	Dec. for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack
--------	---------	------------	----------	------------	----------------------------	--------	-------	---------------	----------------	----------------	-----------------	--------------	------------------	------------------	------------	---------------------------

## Facility: Willow City

### Section: D

D	001 T	Irregular	work floor -3.9x8.4 less	9.400	0.000	0.000	13.00	0.00	0.00	0.00	13.000	0.000	13.0	9.4	2.00	124
D	001 B	Square	work floor	0.000	8.400	3.900	27.00	0.00	0.00	0.00	27.000	0.000	27.0	26.3	2.50	728
D	003 U	Square	work floor	0.000	4.500	4.400	17.00	0.00	0.00	0.00	17.000	0.000	17.0	15.9	2.00	275
D	003 L	Square	work floor msre thru	0.000	4.500	4.400	20.00	0.00	0.00	0.00	20.000	0.000	20.0	15.9	2.00	324
D	004	Square	work floor	0.000	4.500	4.400	37.00	0.00	0.00	0.00	37.000	0.000	37.0	15.9	2.00	600
D	005	Square	work floor	0.000	8.800	3.500	32.00	0.00	0.00	0.00	32.000	0.000	32.0	24.8	2.50	814
D	006 T	Square	work floor	0.000	9.300	3.800	40.00	0.00	0.00	0.00	40.000	0.000	40.0	28.4	2.50	1,164
D	006 B	Square	work floor-top 40'	0.000	9.300	8.400	14.00	0.00	0.00	0.00	14.000	0.000	14.0	62.8	5.00	923
D	008	Square	work floor	0.000	8.800	5.500	38.00	0.00	0.00	0.00	38.000	0.000	38.0	38.9	3.00	1,522
D	009	Square	work floor	0.000	6.500	3.700	13.00	0.00	0.00	0.00	13.000	0.000	13.0	19.3	2.00	256
D	010 T	Square	work floor	0.000	8.500	3.500	40.00	0.00	0.00	0.00	40.000	0.000	40.0	23.9	2.00	975
D	010 B	Square	work floor-top 40'	0.000	8.500	9.300	14.00	0.00	0.00	0.00	14.000	0.000	14.0	63.5	5.00	933
D	011	Square	work floor	0.000	8.500	5.500	37.00	0.00	0.00	0.00	37.000	0.000	37.0	37.6	3.00	1,433
D	012 T	Irregular	work floor 8.5x6.5 less	34.400	0.000	0.000	11.00	0.00	0.00	0.00	11.000	0.000	11.0	34.4	3.00	389
D	012 B	Square	work floor-top 11'	0.000	8.500	6.500	28.00	0.00	0.00	0.00	28.000	0.000	28.0	44.4	3.50	1,287
D	014 T	Irregular	work floor 8.5x6.5 less	34.400	0.000	0.000	11.00	0.00	0.00	0.00	11.000	0.000	11.0	34.4	3.00	389
D	014 B	Square	work floor-top 11'	0.000	8.500	6.500	28.00	0.00	0.00	0.00	28.000	0.000	28.0	44.4	3.50	1,287
D	015	Square	work floor	0.000	8.500	6.000	37.00	0.00	0.00	0.00	37.000	0.000	37.0	41.0	3.00	1,563
D	016 T	Square	work floor	0.000	8.500	3.000	38.00	0.00	0.00	0.00	38.000	0.000	38.0	20.5	2.00	795
D	016 B	Square	work floor-top 38'	0.000	8.500	9.300	14.00	0.00	0.00	0.00	14.000	0.000	14.0	63.5	5.00	933
D	017	Square	work floor	0.000	8.800	6.000	38.00	0.00	0.00	0.00	38.000	0.000	38.0	42.4	3.50	1,667

Exam Date:08/14/2018  
 Examiner: 1

Rugby Farmers Union Elevator Company  
 PO Box 286  
 Rugby, ND  
 County:

Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Ireg).	Length	Width	Side wall	Add for Hopper	Dec. for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack
--------	---------	------------	----------	------------	---------------------------	--------	-------	-----------	----------------	----------------	-----------------	--------------	------------------	------------------	------------	---------------------------

## Facility: Willow City

### Section: D

D	018 T	Square	work floor		0.000	8.800	3.000	40.00	0.00	0.00	40.000	0.000	40.0	21.2	2.00	865
D	018 B	Square	work floor - top 40'		0.000	8.800	9.300	14.00	0.00	0.00	14.000	0.000	14.0	65.8	5.00	967
D	019	Square	work floor		0.000	8.800	6.500	41.00	0.00	0.00	41.000	0.000	41.0	46.0	4.00	1,961
D	020 T	Square	work floor		0.000	9.300	3.800	40.00	0.00	0.00	40.000	0.000	40.0	28.4	2.50	1,164
D	020 B	Square	work floor- top 40'		0.000	9.300	8.400	14.00	0.00	0.00	14.000	0.000	14.0	62.8	5.00	923
D	021	Square	work floor		0.000	4.400	4.500	37.00	0.00	0.00	37.000	0.000	37.0	15.9	2.00	600
D	022 U	Square	work floor		0.000	4.400	4.500	17.00	0.00	0.00	17.000	0.000	17.0	15.9	2.00	275
D	022 L	Square	work floor -blind silts below		0.000	4.400	4.500	20.00	0.00	0.00	20.000	0.000	20.0	15.9	2.00	324
D	023 T	Square	work floor		0.000	6.500	4.800	13.00	0.00	0.00	13.000	0.000	13.0	25.1	2.50	334
D	023 B	Square	work floor-top 13'		0.000	6.500	8.800	28.00	0.00	0.00	28.000	0.000	28.0	46.0	4.00	1,340
D	101	Square	work floor		0.000	13.00	9.000	56.00	0.00	0.00	56.000	0.000	56.0	94.1	6.00	5,586
D	102	Square	work floor		0.000	13.00	9.200	56.00	0.00	0.00	56.000	0.000	56.0	96.1	6.00	5,705
D	103	Square	work floor		0.000	13.00	9.200	56.00	0.00	0.00	56.000	0.000	56.0	96.1	6.00	5,705
D	104	Square	work floor		0.000	13.00	8.900	56.00	0.00	0.00	56.000	0.000	56.0	93.0	5.80	5,510
D	105 T	Square	work floor		0.000	13.00	8.900	47.00	0.00	0.00	47.000	0.000	47.0	93.0	5.80	4,625
D	105 B	Square	work floor-top 47'		0.000	7.500	8.900	9.000	0.00	0.00	9.000	0.000	9.0	53.7	4.50	505
D	106 T	Square	work floor		0.000	13.00	9.200	47.00	0.00	0.00	47.000	0.000	47.0	96.1	6.00	4,788
D	106 B	Square	work floor- top 47'		0.000	7.500	9.200	9.000	0.00	0.00	9.000	0.000	9.0	55.5	4.80	524
D	107 T	Square	work floor		0.000	13.00	9.200	47.00	0.00	0.00	47.000	0.000	47.0	96.1	6.00	4,788
D	107 B	Square	work floor-top 47'		0.000	7.500	9.200	9.000	0.00	0.00	9.000	0.000	9.0	55.5	4.80	524
D	108 T	Square	work floor		0.000	13.00	9.000	47.00	0.00	0.00	47.000	0.000	47.0	94.1	6.00	4,688

Client ID: 182

### NDPSC Bin Capacity Chart

09/20/2018 10:12:33 AM

Exam Date: 08/14/2018  
Examiner: 1

Rugby Farmers Union Elevator Company  
PO Box 286  
Rugby, ND  
County:

Page: 10

Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Ireg).	Length	Width	Side wall	Add for Hopper	Dec. for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack
--------	---------	------------	----------	------------	---------------------------	--------	-------	-----------	----------------	----------------	-----------------	--------------	------------------	------------------	------------	---------------------------

## Facility: Willow City

**Section: D**

D 108 B Square work floor - top 47' 0.000 7.500 9.000 9.000 0.00 0.00 9.000 0.000 9.0 54.3 4.50 511

Bin count: 43 Facility: Willow City Section: D Total: 70,593

To Even: 71,000

## Section: E

E 001	Square	work floor	0.000	11.70	3.800	52.00	0.00	0.00	52.000	0.000	52.0	35.7	3.00	1,912
E 003	Square	work floor	0.000	3.200	4.800	51.00	0.00	0.00	51.000	0.000	51.0	12.3	2.00	640
E 004	Square	work floor	0.000	11.70	13.30	67.00	0.00	0.00	67.000	0.000	67.0	125.1	6.50	8,927
E 006	Square	work floor	0.000	11.60	13.30	67.50	0.00	0.00	67.500	0.000	67.5	124.0	6.50	8,914
E 007	Square	work floor	0.000	11.60	6.400	50.00	0.00	0.00	50.000	0.000	50.0	59.7	4.80	3,128
E 008	Square	work floor	0.000	11.60	13.30	67.00	0.00	0.00	67.000	0.000	67.0	124.0	6.50	8,848
E 009	Square	work floor	0.000	11.60	6.400	50.00	0.00	0.00	50.000	0.000	50.0	59.7	4.80	3,128
E 010 T	Square	work floor	0.000	7.100	6.400	13.00	0.00	0.00	13.000	0.000	13.0	36.5	3.00	489
E 010 B	Square	work floor-top 13'	0.000	11.60	6.400	37.00	0.00	0.00	37.000	0.000	37.0	59.7	4.80	2,315
E 012	Square	work floor	0.000	11.60	13.30	67.00	0.00	0.00	67.000	0.000	67.0	124.0	6.50	8,848
E 013	Square	work floor	0.000	11.60	6.700	52.00	0.00	0.00	52.000	0.000	52.0	62.5	5.00	3,413
E 014	Square	work floor	0.000	11.60	6.300	50.00	0.00	0.00	50.000	0.000	50.0	58.7	4.80	3,076
E 015	Square	work floor	0.000	11.60	6.400	50.00	0.00	0.00	50.000	0.000	50.0	59.7	4.80	3,128
E 016	Square	work floor	0.000	11.70	13.30	67.00	0.00	0.00	67.000	0.000	67.0	125.1	6.50	8,927
E 017	Square	work floor	0.000	5.700	3.800	29.00	0.00	0.00	29.000	0.000	29.0	17.4	2.00	515

Exam Date:08/14/2018  
 Examiner: 1

Rugby Farmers Union Elevator Company  
 PO Box 286  
 Rugby, ND  
 County:

Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Irreg.)	Length	Width	Side wall	Add for Hopper	Ded. for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack
--------	---------	------------	----------	------------	----------------------------	--------	-------	-----------	----------------	----------------	-----------------	--------------	------------------	------------------	------------	---------------------------

**Facility: Willow City**

**Section: E**

E	018 T		Square	work floor	0.000	5.700	3.800	29.00	0.00	0.00	29.000	0.000	29.0	17.4	2.00	515
E	018 B		Square	work floor-top 29'	0.000	11.70	3.800	18.00	0.00	0.00	18.000	0.000	18.0	35.7	3.00	662
E	105		Peaked	top of sidewall	36.000	0.000	0.000	66.40	0.00	0.00	66.400	2.200	68.6	818.2	10.0	61,742

Bin count: 18  
 Facility: Willow City Section: E Total: 129,127  
 To Even: 130,000

**Section: F**

F	001		Peaked	top of sidewall	24.000	0.000	0.000	23.70	0.00	0.00	23.700	1.400	25.1	363.7	7.80	9,841
F	002		Peaked	top of sidewall	24.000	0.000	0.000	23.70	0.00	0.00	23.700	1.400	25.1	363.7	7.80	9,841
F	003		Peaked	top of sidewall	24.000	0.000	0.000	23.70	0.00	0.00	23.700	1.400	25.1	363.7	7.80	9,841
F	004		Peaked	top of sidewall	24.000	0.000	0.000	23.70	0.00	0.00	23.700	1.400	25.1	363.7	7.80	9,841

Bin count: 4  
 Facility: Willow City Section: F Total: 39,364  
 To Even: 40,000

Exam Date: 08/14/2018  
 Examiner: 1

Rugby Farmers Union Elevator Company  
 PO Box 286  
 Rugby, ND  
 County:

Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Irreg).	Length	Width	Side wall	Add for Hopper	Dec. for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack
--------	---------	------------	----------	------------	----------------------------	--------	-------	-----------	----------------	----------------	-----------------	--------------	------------------	------------------	------------	---------------------------

**Facility: York**

**Section: H**

H		001	Peaked	top of sidewall	26.800	0.000	0.000	58.70	0.00	0.00	58.700	1.600	60.3	453.5	8.20	29,588
H		002	Peaked	top of sidewall	26.800	0.000	0.000	58.70	0.00	0.00	58.700	1.600	60.3	453.5	8.20	29,588
H		007	Peaked	top of sidewall	26.800	0.000	0.000	58.70	0.00	0.00	58.700	1.600	60.3	453.5	8.20	29,588
H		008	Peaked	top of sidewall	26.800	0.000	0.000	58.70	0.00	0.00	58.700	1.600	60.3	453.5	8.20	29,588
H		009	Peaked	top of sidewall	17.900	0.000	0.000	42.70	3.00	0.00	45.700	1.100	46.8	202.3	6.00	10,036
H		010	Peaked	top of sidewall	17.900	0.000	0.000	39.20	3.30	0.00	42.500	1.100	43.6	202.3	6.00	9,349
H		011	Round	top of sidewall	40.000	0.000	0.000	90.00	0.00	0.00	90.000	0.000	90.0	1010.2	10.0	100,010
H		012	Round	top of sidewall	40.000	0.000	0.000	90.00	0.00	0.00	90.000	0.000	90.0	1010.2	10.0	100,010
Bin count: 8														Facility: York Section: H Total:		337,757
														To Even:		338,000

**Overall Licensed Bin Capacity for:**  
 Rugby Farmers Union Elevator Company

Bin count: 201

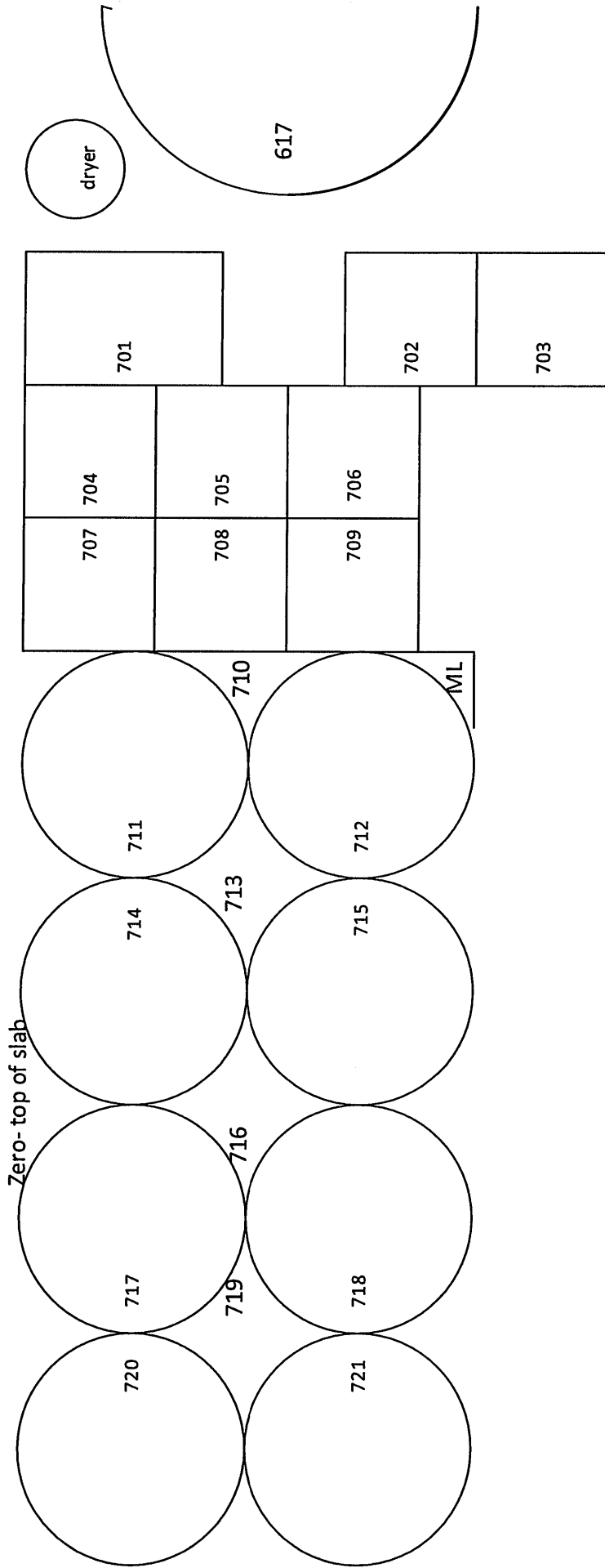
**Licensed Capacity:** \_\_\_\_\_  
 (Includes pack) **4,326,950 Bu.**

**Licensed Capacity (to even):** \_\_\_\_\_  
 (Includes pack and section totals are rounded up to next highest 1000) **4,330,000 Bu.**

RUGBY F.U. ELEV. CO.  
RUGBY ND CORP # 182  
SECTION A - far East  
concrete complex of 4

S  
E+W  
N

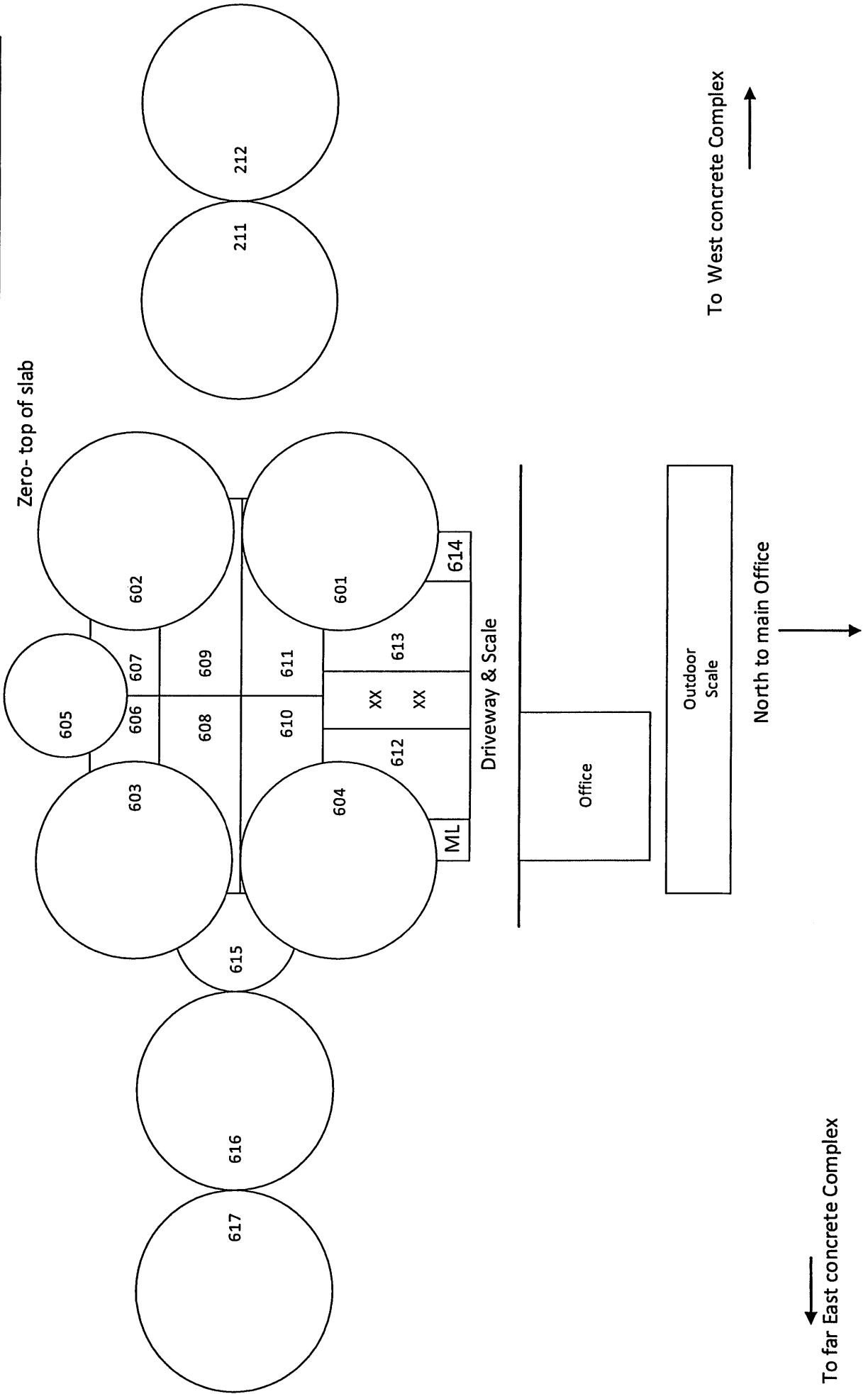
BNSF RAIL



Middle East concrete  
complex →

RUGBY F.U. ELEV. CO.  
RUGBY ND CORP # 182  
SECTION A - middle East  
concrete complex of 4

BNSF RAIL



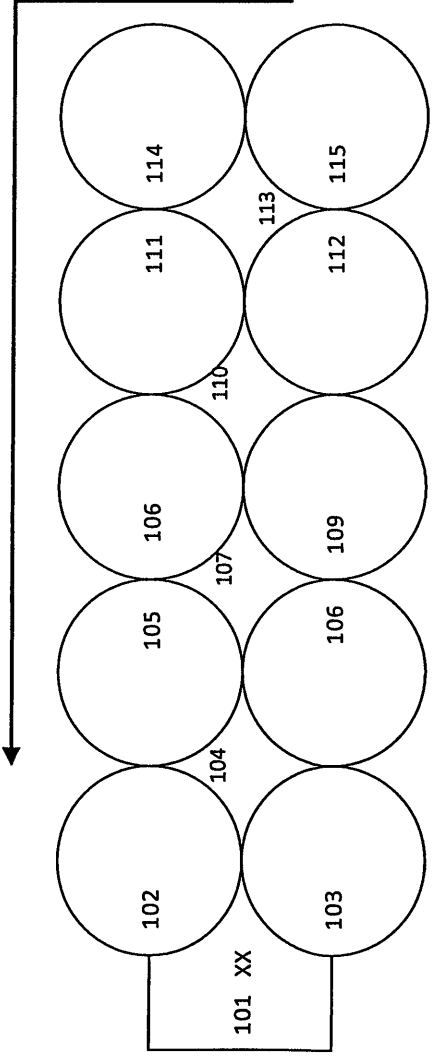
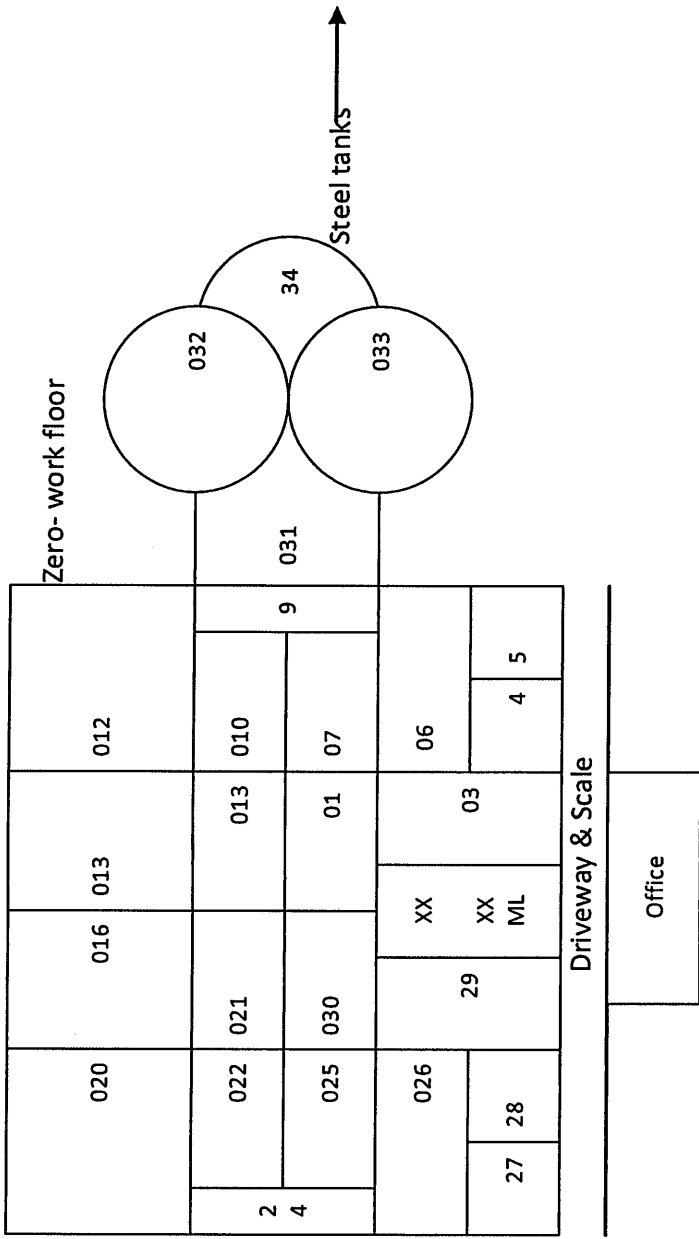
To far East concrete Complex ←

North to main Office →

To West concrete Complex →

RUGBY F.U. ELEV. CO.  
 RUGBY ND CORP # 182  
 SECTION A – middle West  
 concrete complex of 4

BNSF RAIL



Far West wood complex

To 2<sup>nd</sup> concrete complex

RUGBY F.U. ELEV. CO.  
 RUBGY ND CORP # 182  
 SECTION A – Far West wood  
 & steel complex of 4

BNSF RAIL

Zero- floor over bin

309	307	305	303	301
310	308	306	304	302

Zero- cribbing 4.5' below floor

406	405
404	403
402	401

Zero- floor over bin

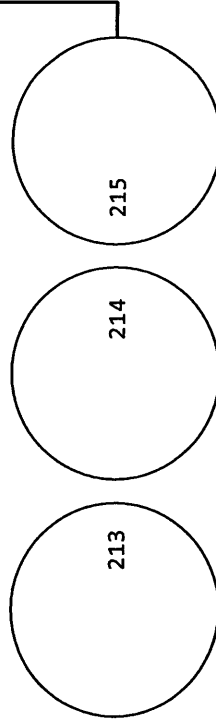
512	511	508	507
515	510	506	505
502	517	XX	XX
516		ML	503

Driveway & Scale

Office



Steel tanks



To 1<sup>st</sup> concrete complex



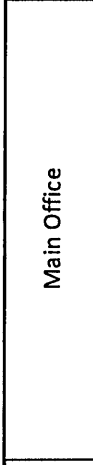
RUGBY F.U. ELEV. CO.  
 RUBGY ND CORP # 182  
 SECTION D – South Willow  
 City complex 1 Of 2

BNSF RAIL

ZERO-WORK FLOOR

016	015	014	012	011	010
018	017	019	9	08	05
			23		
21	22	XX	01	06	
		XX			
		ML		4	3

Driveway & scale



Section D

90' north Section E



26 mile SE to Rugby



RUGBY F.U. ELEV. CO.  
 RUBGY ND CORP # 182  
 SECTION E&F – North Willow  
 City complex 2 of 2

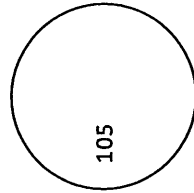
BNSF RAIL

Section E zero- work floor

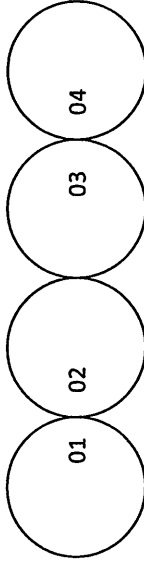
012	010	09	08
14	13	015	07
016	18	XX	01
	17	ML	04
		3	

Driveway & Scale

Office



Section F

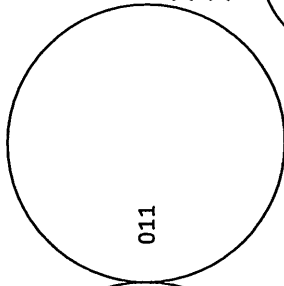
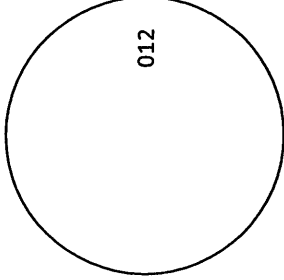


South to Section D

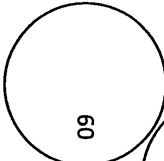
RUGBY F.U. ELEV. CO.  
RUGBY ND CORP # 182  
SECTION H – York Complex  
concrete & steel

BNSF RAIL

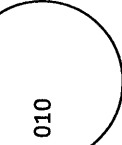
Concrete silos – zero – top of slab



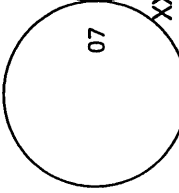
hoppers



XX  
XX

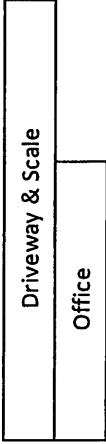
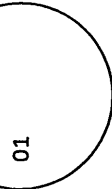
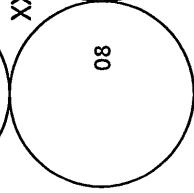
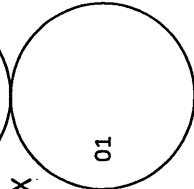


Steel- zero-top of sidewall

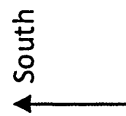


XX

XX



Section H



22 miles West to Rugby



RUGBY F.U. ELEV. CO.  
RUGBY ND CORP # 182  
SECTION A - Far East concrete complex  
Updated 8/14/18 A.S.

S  
E + W  
N

BNSF RAIL

