

Exam Date:05/23/2017

Allied Energy Inc, dba Allied Grain
260 Elevator Road
Carrington, ND
County:

Page: 1

Examiner: 1, 2

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
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Facility: Barlow

Section: A

A	002 T	Square	floor over bins		0.000	6.300	4.700	15.20	0.00	0.00	15.200	0.000	15.2	23.8	2.00	369
A	002 B	Square	floor over bins- top 15.2'		0.000	5.900	4.300	32.80	0.00	0.00	32.800	0.000	32.8	20.4	2.00	682
A	004 T	Square	bin floor		0.000	6.400	5.000	15.20	0.00	0.00	15.200	0.000	15.2	25.7	2.50	401
A	004 B	Square	bin floor - top 15.2'		0.000	5.900	4.600	32.80	0.00	0.00	32.800	0.000	32.8	21.8	2.00	729
A	005 T	Square	bin floor		0.000	7.000	4.600	18.40	0.00	0.00	18.400	0.000	18.4	25.9	2.50	489
A	005 B	Square	bin floor -top 18.4'		0.000	9.000	6.800	29.60	0.00	0.00	29.600	0.000	29.6	49.2	4.20	1,517
A	006 T	Square	bin floor		0.000	6.300	5.500	15.20	0.00	0.00	15.200	0.000	15.2	27.9	2.50	435
A	006 B	Square	bin floor - top 15.2'		0.000	5.900	5.100	16.80	0.00	0.00	16.800	0.000	16.8	24.2	2.50	417
A	007 T	Square	bin floor		0.000	12.20	6.400	15.20	0.00	0.00	15.200	0.000	15.2	62.8	5.00	1,003
A	007 B	Square	bin floor - top 15.2'		0.000	12.00	6.000	32.80	0.00	0.00	32.800	0.000	32.8	57.9	4.80	1,990
A	008 T	Square	bin floor		0.000	12.20	6.400	15.20	0.00	0.00	15.200	0.000	15.2	62.8	5.00	1,003
A	008 B	Square	bin floor - top 15.2'		0.000	12.00	6.000	32.80	0.00	0.00	32.800	0.000	32.8	57.9	4.80	1,990
A	009 T	Square	bin floor		0.000	12.90	9.500	15.20	0.00	0.00	15.200	0.000	15.2	98.5	6.00	1,587
A	009 M	Square	bin floor -top 15.2'		0.000	12.60	9.000	36.30	0.00	0.00	36.300	0.000	36.3	91.2	5.80	3,503
A	009B	Square	bin floor -top & mddle 51.5'		0.000	12.30	8.800	14.00	0.00	0.00	14.000	0.000	14.0	87.0	5.80	1,289
A	010 T	Square	bin floor		0.000	6.400	4.700	15.20	0.00	0.00	15.200	0.000	15.2	24.2	2.50	377
A	010 B	Square	bin floor-top 15.2'		0.000	6.000	4.300	32.80	0.00	0.00	32.800	0.000	32.8	20.7	2.00	693
A	011 T	Square	bin floor		0.000	12.90	9.500	15.20	0.00	0.00	15.200	0.000	15.2	98.5	6.00	1,587
A	011 M	Square	bin floor - top 15.2'		0.000	12.60	9.000	36.30	0.00	0.00	36.300	0.000	36.3	91.2	5.80	3,503
A	011B	Square	bin floor-top&mddl 51.5'		0.000	12.30	8.800	14.00	0.00	0.00	14.000	0.000	14.0	87.0	5.80	1,289
A	012 T	Square	bin floor		0.000	6.300	5.000	15.20	0.00	0.00	15.200	0.000	15.2	25.3	2.50	395

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Allied Energy Inc, dba Allied Grain
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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
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Facility: Barlow

Section: A

A	012 B	Square	bin floor - top 15.2'		0.000	5.900	4.600	33.80	0.00	0.00	33.800	0.000	33.8	21.8	2.00	752
A	013 T	Square	bin floor		0.000	12.20	6.400	15.20	0.00	0.00	15.200	0.000	15.2	62.8	5.00	1,003
A	013 B	Square	bin floor - top 15.2'		0.000	12.00	6.000	32.80	0.00	0.00	32.800	0.000	32.8	57.9	4.80	1,990
A	014L1	Square	bin floor		0.000	6.400	5.500	15.20	0.00	0.00	15.200	0.000	15.2	28.3	2.50	441
A	014L2	Square	bin floor-top 15.2'		0.000	6.100	5.100	16.80	0.00	0.00	16.800	0.000	16.8	25.0	2.50	431
A	014L3	Square	bin floor-32' above		0.000	12.60	5.100	16.00	0.00	0.00	16.000	0.000	16.0	51.7	4.50	864
A	014L4	Square	bin floor - 48' above		0.000	12.60	10.10	3.500	0.00	0.00	3.500	0.000	3.5	102.3	6.00	379
A	014L5	Square	bin floor L1-2-3-4 = 51.5'		0.000	12.30	9.800	14.00	0.00	0.00	14.000	0.000	14.0	96.9	6.00	1,438
A	015 T	Square	bin floor		0.000	12.20	6.400	15.20	0.00	0.00	15.200	0.000	15.2	62.8	5.00	1,003
A	015 B	Square	bin floor - top 15.2'		0.000	12.00	6.000	32.80	0.00	0.00	32.800	0.000	32.8	57.9	4.80	1,990
A	016 T	Square	bin floor		0.000	12.90	5.000	15.20	0.00	0.00	15.200	0.000	15.2	51.8	4.50	822
A	016 M	Square	bin floor - top 15.2'		0.000	12.60	4.600	36.30	0.00	0.00	36.300	0.000	36.3	46.6	4.00	1,760
A	016B	Square	bin floor 51.5' above		0.000	12.30	9.800	14.00	0.00	0.00	14.000	0.000	14.0	96.9	6.00	1,438
A	017 T	Square	bin floor		0.000	12.20	7.000	15.20	0.00	0.00	15.200	0.000	15.2	68.6	5.20	1,097
A	017 B	Square	bin floor - top 15.2'		0.000	12.00	6.800	32.80	0.00	0.00	32.800	0.000	32.8	65.6	5.00	2,260
A	018 T	Square	bin floor		0.000	10.50	3.700	15.20	0.00	0.00	15.200	0.000	15.2	31.2	2.50	486
A	018 B	Square	bin floor -top 15.2'		0.000	10.20	3.400	32.80	0.00	0.00	32.800	0.000	32.8	27.9	2.50	938
A	019 T	Square	bin floor		0.000	9.500	7.000	18.40	0.00	0.00	18.400	0.000	18.4	53.5	4.50	1,028
A	019 B	Square	bin floor -top 18.4'		0.000	9.000	6.800	29.60	0.00	0.00	29.600	0.000	29.6	49.2	4.20	1,517
A	020 T	Square	bin floor		0.000	12.20	7.000	15.20	0.00	0.00	15.200	0.000	15.2	68.6	5.20	1,097
A	020 B	Square	bin floor -top 15.2'		0.000	12.00	6.800	32.80	0.00	0.00	32.800	0.000	32.8	65.6	5.00	2,260

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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
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Facility: Barlow

Section: A

A	021	T	Square	bin floor	0.000	16.00	13.20	14.50	0.00	0.00	14.500	0.000	14.5	169.8	7.00	2,634
A	021	M	Square	bin floor -top 14.5'	0.000	15.70	13.00	45.00	0.00	0.00	45.000	0.000	45.0	164.1	7.00	7,902
A	021	B	Square	bin floor 59.5' above	0.000	13.30	12.80	7.400	0.00	0.00	7.400	0.000	7.4	136.8	6.50	1,078
A	022	T	Square	bin floor	0.000	16.00	11.80	14.50	0.00	0.00	14.500	0.000	14.5	151.8	6.80	2,351
A	022	M	Square	bin floor- top 14.5'	0.000	15.70	11.60	45.00	0.00	0.00	45.000	0.000	45.0	146.4	6.80	7,036
A	022	B	Square	bin floor 59.5' above	0.000	13.30	11.40	7.400	0.00	0.00	7.400	0.000	7.4	121.9	6.50	961
A	023	T	Square	bin floor	0.000	16.00	13.20	14.50	0.00	0.00	14.500	0.000	14.5	169.8	7.00	2,634
A	023	M	Square	bin floor - top 14.5'	0.000	15.70	13.00	45.00	0.00	0.00	45.000	0.000	45.0	164.1	7.00	7,902
A	023	B	Square	bin floor 59.5' above	0.000	13.30	12.80	7.400	0.00	0.00	7.400	0.000	7.4	136.8	6.50	1,078
A	024	T	Square	bin floor	0.000	16.00	11.80	14.50	0.00	0.00	14.500	0.000	14.5	151.8	6.80	2,351
A	024	M	Square	bin floor - top 14.5'	0.000	15.70	11.60	45.00	0.00	0.00	45.000	0.000	45.0	146.4	6.80	7,036
A	024	B	Square	bin floor 59.5' above	0.000	13.30	11.40	7.400	0.00	0.00	7.400	0.000	7.4	121.9	6.50	961
A	025	T	Square	bin floor	0.000	16.00	11.80	14.50	0.00	0.00	14.500	0.000	14.5	151.8	6.80	2,351
A	025	M	Square	bin floor - top 14.5'	0.000	15.70	11.60	45.00	0.00	0.00	45.000	0.000	45.0	146.4	6.80	7,036
A	025	B	Square	bin floor 59.5' above	0.000	13.30	11.40	7.400	0.00	0.00	7.400	0.000	7.4	121.9	6.50	961
A	026	T	Square	bin floor	0.000	16.00	11.60	14.50	0.00	0.00	14.500	0.000	14.5	149.2	6.80	2,310
A	026	M	Square	bin floor - top 14.5'	0.000	15.70	11.40	45.00	0.00	0.00	45.000	0.000	45.0	143.9	6.80	6,916
A	026	B	Square	bin floor 59.5' above	0.000	13.30	11.20	7.400	0.00	0.00	7.400	0.000	7.4	119.7	6.20	941
A	027	T	Square	bin floor	0.000	16.00	11.80	14.50	0.00	0.00	14.500	0.000	14.5	151.8	6.80	2,351
A	027	M	Square	bin floor -top 14.5'	0.000	15.70	11.60	45.00	0.00	0.00	45.000	0.000	45.0	146.4	6.80	7,036
A	027	B	Square	bin floor 59.5' above	0.000	13.30	11.40	7.400	0.00	0.00	7.400	0.000	7.4	121.9	6.50	961

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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
<u>Facility: Barlow</u>																
<u>Section: A</u>																
	A	028 T	Square	bin floor	0.000	16.00	11.60	14.50	0.00	0.00	14.500	0.000	14.5	149.2	6.80	2,310
	A	028 M	Square	bin floor - top 14.5'	0.000	15.70	11.40	45.00	0.00	0.00	45.000	0.000	45.0	143.9	6.80	6,916
	A	028B	Square	bin floor 59.5' above	0.000	13.30	11.20	7.400	0.00	0.00	7.400	0.000	7.4	119.7	6.20	941
	A	098	Peaked	eave at side wall	47.900	0.000	0.000	66.75	0.00	0.00	66.750	2.900	69.7	1448.6	10.0	111,064
	A	099	Peaked	eave at side wall	47.900	0.000	0.000	66.75	0.00	0.00	66.750	2.900	69.7	1448.6	10.0	111,064
Added	A	103	Peaked	eave at side wall	48.000	0.000	0.000	58.70	0.00	0.00	58.700	3.400	62.1	1454.6	10.0	99,364
Added	A	104	Peaked	eave at side wall	47.800	0.000	0.000	73.30	0.00	0.00	73.300	2.900	76.2	1442.5	10.0	120,911
	A	105	Peaked	eave at side wall	47.800	0.000	0.000	73.30	0.00	0.00	73.300	2.900	76.2	1442.5	10.0	120,911
	A	106	Peaked	eave at side wall	47.800	0.000	0.000	73.30	0.00	0.00	73.300	2.900	76.2	1442.5	10.0	120,911
	A	107	Peaked	eave at side wall	47.800	0.000	0.000	73.30	0.00	0.00	73.300	2.900	76.2	1442.5	10.0	120,911
	A	110	Peaked	eave at side wall	16.000	0.000	0.000	25.00	2.50	0.00	27.500	1.000	28.5	161.6	5.80	4,873
	A	111	Peaked	eave at side wall	16.000	0.000	0.000	25.00	2.50	0.00	27.500	1.000	28.5	161.6	5.80	4,873
	A	112	Peaked	eave at side wall	16.000	0.000	0.000	25.00	2.50	0.00	27.500	1.000	28.5	161.6	5.80	4,873
	A	113	Peaked	eave at side wall	16.000	0.000	0.000	25.00	2.50	0.00	27.500	1.000	28.5	161.6	5.80	4,873
	A	H-1	Peaked	eave at side wall	16.000	0.000	0.000	20.00	2.00	0.00	22.000	1.000	23.0	161.6	5.80	3,933
	A	H-2	Peaked	eave at side wall	16.000	0.000	0.000	20.00	2.00	0.00	22.000	1.000	23.0	161.6	5.80	3,933
	A	H-3	Peaked	eave at side wall	16.000	0.000	0.000	20.00	2.00	0.00	22.000	1.000	23.0	161.6	5.80	3,933
	A	H-4	Peaked	eave at side wall	16.000	0.000	0.000	20.00	2.00	0.00	22.000	1.000	23.0	161.6	5.80	3,933
	A	H-5	Peaked	eave at side wall	18.000	0.000	0.000	20.00	2.00	0.00	22.000	1.100	23.1	204.6	6.00	5,010
	A	H-6	Peaked	eave at side wall	16.000	0.000	0.000	25.00	2.00	0.00	27.000	1.000	28.0	161.6	5.80	4,787

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Allied Energy Inc, dba Allied Grain
 260 Elevator Road
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 County:

Examiner: 1, 2

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
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Bin count: 83

Facility: Barlow Section: A Total: 985,353

To Even: 986,000

Section: C

C	001	Quonset	consult diagram		0.000	110.0	40.00	12.00	0.00	0.00	12.000	0.000	12.0	3311.4	10.0	43,712
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Bin count: 1

Facility: Barlow Section: C Total: 43,712

To Even: 44,000

Section: D

D	001	Quonset	consult diagram		0.000	110.0	40.00	12.00	0.00	0.00	12.000	0.000	12.0	3311.4	10.0	43,712
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Bin count: 1

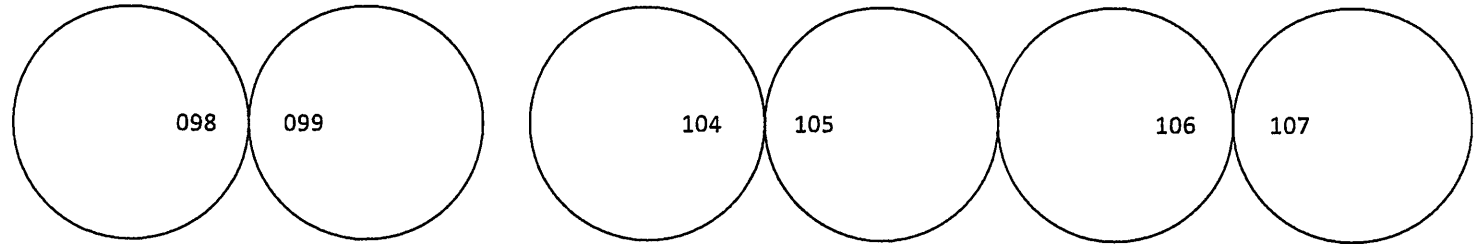
Facility: Barlow Section: D Total: 43,712

To Even: 44,000

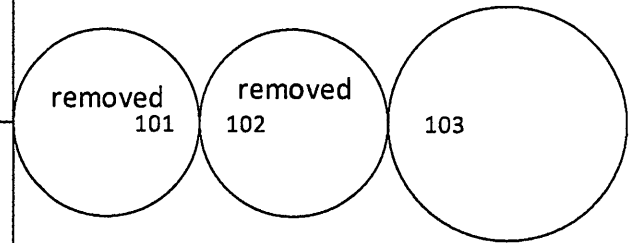
<u>Overall Licensed Bin Capacity for:</u>	Licensed Capacity:	<u>1,072,777 Bu.</u>
Allied Energy Inc, dba Allied Grain	(includes pack)	
Bin count: 85	Licensed Capacity (to even):	<u>1,074,000 Bu.</u>
	(includes pack and section totals are rounded up to next highest 1000)	

ALLIED ENERGY INC. dba
 ALLIED GRAIN Corp# 3915
 Barlow ND
 Section A
 PH 05/23/18

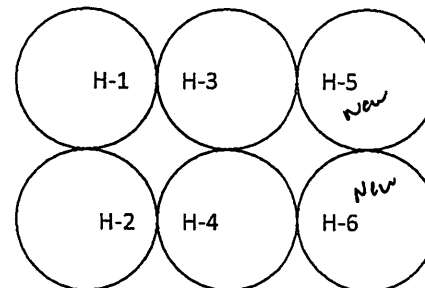
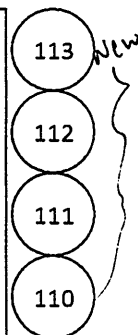
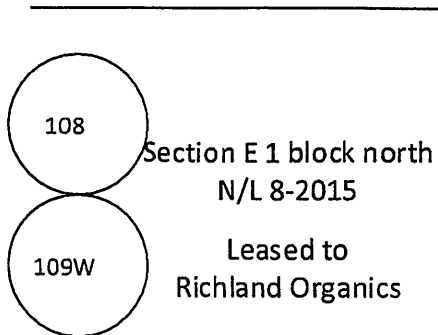
E
 N + S
 W



011		019	05	009		021	022	025	026
07	15	017	020	13	08	023	024	027	028
6	14	018	XX ML XX	016					
2	10			12	4				



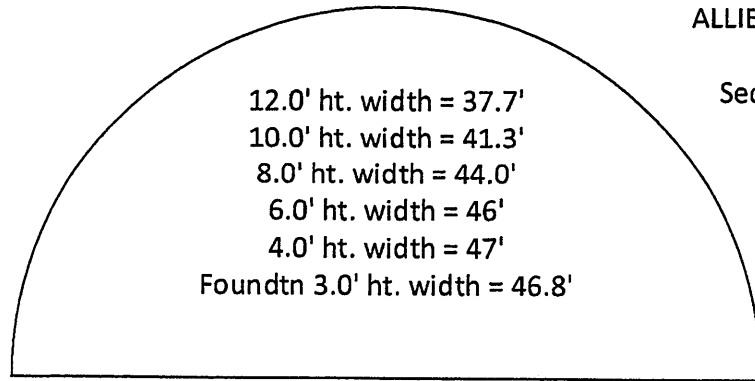
Office



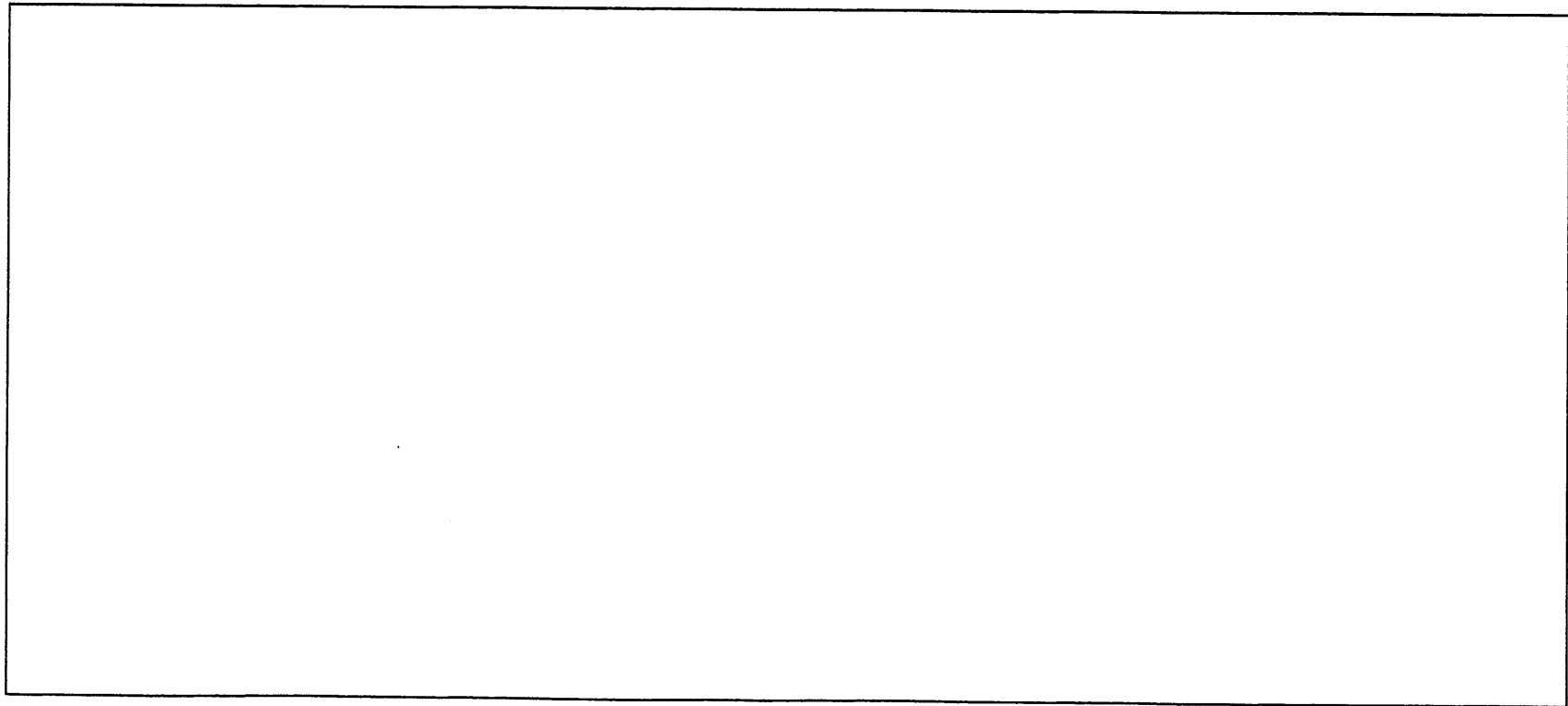
Section B-100 quonset not licensed
 Section C-100 quonset
 Section D-100 quonset



ALLIED ENERGY INC. dba
ALLIED GRAIN Corp# 3915
Barlow ND
Section C&D identical
quonsets



Basics
Foundation 3.0' ht x 46.8'W x
110.8'L
Base width above foundation
48.0'
Bottom center drag to floor
17.5'
Bottom center overhead u-
trough to floor 20.0'



ALLIED ENERGY INC. dba
ALLIED GRAIN Corp# 3915
Barlow ND
Section F located 1 mile east
of main elevator
Nothing licensed 08-2015

03 35.6' D x
20.8' sidewall

04

05

06

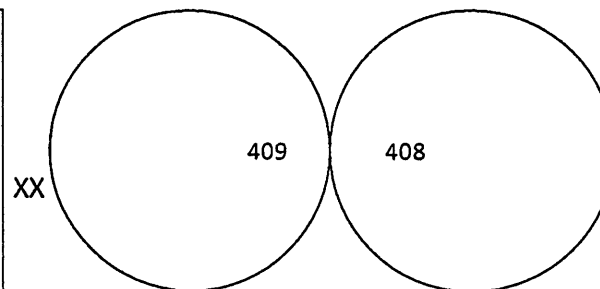
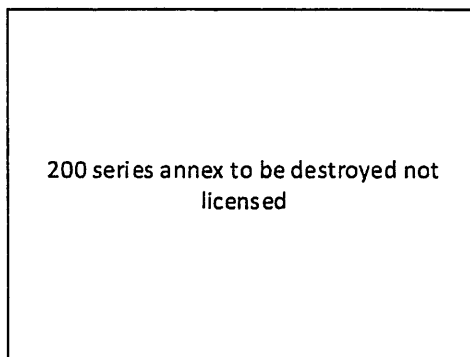
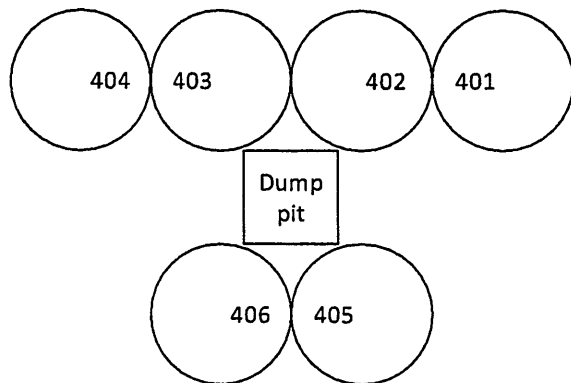
07

No longer
leased

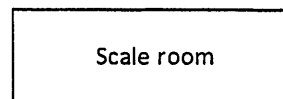
02- 43.4'D x
27.2' sidewall

01- 43.4'D x
27.2' sidewall

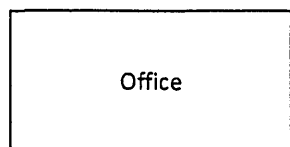
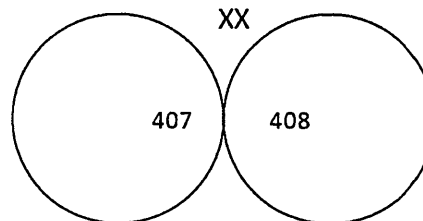
ALLIED ENERGY INC. dba
ALLIED GRAIN Corp# 3915
Barlow ND
Section Y Ypsilanti location



Scale 1



Scale 2



No Longer Leased
PH 05/23/18

Removed in E.H.