

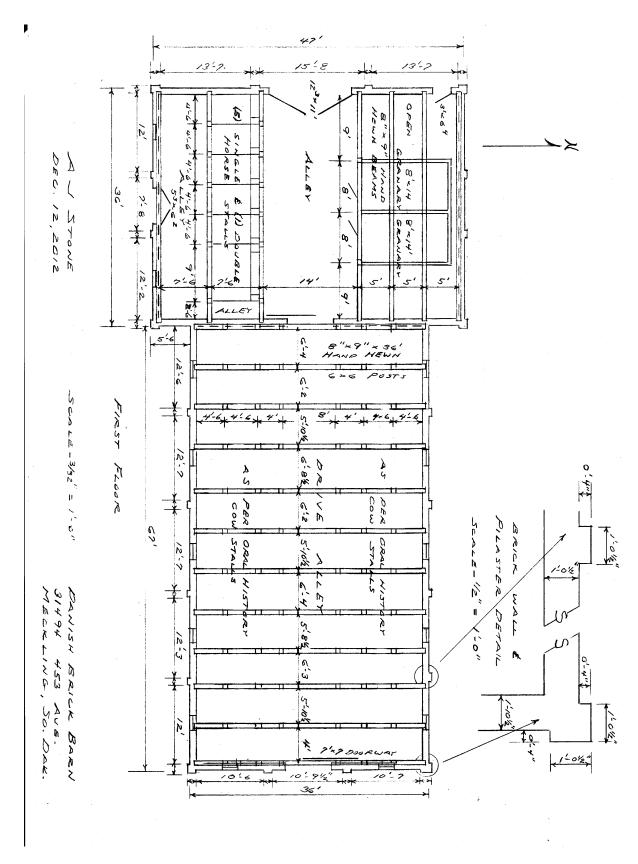
SITE INFORMATION

*SURVEY DATE: March 23, 2012	*ADDRESS:	31494	453 rd A	ve.					
*SURVEYOR: Jim Stone	*COUNTY:		Clay						
	 *CITY:	Meckli	ng						
LOCATION DESCRIPTION: From Vermillion take South Dakota highway 50 West to Meckling, continue									
West for 4-1/4 miles to 453 rd Ave., turn left (South) 3-1/2 miles, on the left (East) side.									
You can see the large brick barn from a mile away.									
LEGAL DECORPTION ON ALL OR OR TO M									
LEGAL DESCRIPTION: SW 1/4, 32 – 93 – 53, Meckling Twp.									
	Kyle & Rebecca Jensen, CD-								
*QUARTER 1: <u>SW 1/4</u>		Dorothy Sollenberger ETAL							
		31582 454 th Ave							
*TOWNSHIP: Meckling	OWNER CITY:								
*RANGE: <u>53</u>		South Dakota							
*SECTION: <u>32</u>	OWNER ZIP: 57069								
ACRES: <u>155.56</u>	QUAD NAME:								
OWNER CODE 1: P									
OWNER CODE 2: F S L P OWNER CODE 3: F S L P									
OWNER CODE 3: F S L P									
HISTORIC SIGNIFICANCE									
	Johnsen, Calle Nissen								
*DOE:	REGISTER NAME: /Hansen Farmstead								
*DOE DATE:	MULTIPLE PROPERTY NAME: Danish brick								
REASON INELIGIBLE:	barn								
	CATEGORY:								
NOMINATION STATUS:	SIGNIFICANCE LEVEL 1: N S L SIGNIFICANCE LEVEL 2: N S L								
DATE LISTED:	SIGNII	FICANCE	LEVE	L 2:	N	S	L		
REFERENCE NUMBER:	ODITE	DIA 4.		_	_				
HISTORIC DISTRICT RATING: C or NC PERIOD:		ERIA 1: ERIA 2:			D D				
PERIOD.		ERIA 3:							
	_	ERIA 4:		_	D				
	OMIL	VIA 7.		•					
SIGNIFICANCE NOTES: This farmstead is on the National Historical Register. Johnsen, Calle Nissen /									
Hansen farmstead. Clay was dug on site, bricks for									
1870 through 1878.									

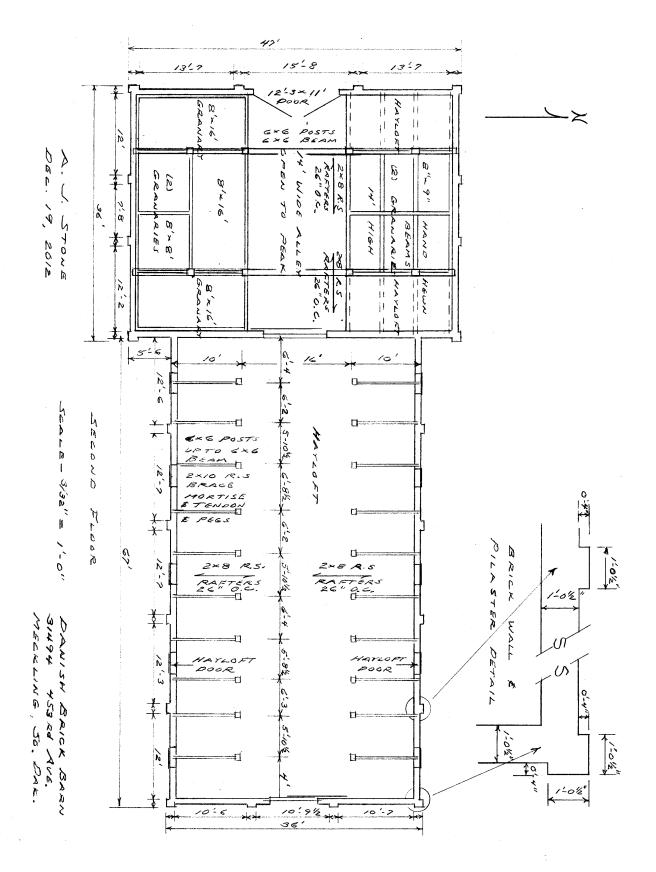


STRUCTURE DETAILS							
SHPO ID:							
*PROPERTY NAME:	Johnsen, Calle Nissen	– / Hansen farmstead					
OTHER NAME:							
• · · · · · · · · · · · · · · · · · · ·							
CURRENT FUNCTION:	Storage	FOUNDATIO	N: Red granite rock				
CURRENT SUBFUNCTION:		ROOF MATERIA	AL: Cedar shingles				
HISTORIC FUNCTION:	Livestock barn	ROOF SHAPE: Gable					
HISTORIC SURFLINGTION.	Hay and Grain	CTDUCTUDAL EVET	Brick walls w/ heavy posts and				
HISTORIC SUBFUNCTION:	Storage	_ STRUCTURAL SYSTE	-				
			LE: Danish barn				
OCCUPIED:	Yes Yes with	TYF	PE: Livestock				
ACCESSIBLE:		WALLS: Brick walls					
STORIES:		SIGNIFICANT PERSON:	Calle Nissen Johnsen				
*DATE OF CONSTRUCTION:	Started 1870 finished 1878 CU	JLTURAL AFFILIATION:	Danish				
ALTERED/MOVED NOTES: Some of the horse stalls and all of cow stalls have been removed. There							
was two wooden cupolas, one removed and one missing. Milled double 2x8 floor joists, 1x10 shiplap and							
granaries added above horse stalls in the South side. Granaries re-built with milled 2x6 and 1x10 shiplap on the North side. Floor joists removed above original granaries to make them about 14' tall.							
on the North side. Floor jois	ts removed above origi	nai granaries to make them a	about 14' tall.				
INTERIOR NOTES: _The East wing has eleven rows 6x6 hand hewn posts mortised into 8" x 9"x 36' hand							
hewn beams. The beams run the 36' width (North and South) about 6' O. C. Each beam is supported							
with six 6x6 posts about 4' O.C. from North and South walls, leaving a 12' alley in the center. All of the posts and beams are hand hewn cottonwood.							
OTHER NOTES: The center of the rafters are supported with 6x6 posts mortised and tendon into a 6x6							
which supports the rafters and 2x10 is mortised and tended into the posts out to the top of the brick wall.							
The round pegs can be seen in the posts. 3/4" rough sawn cottonwood sheathing on the roof with cedar							
shingles. Windows are 9"x9" four light over 9"x9" four light and are double hung to ventilation.							
*PHYSICAL NOTES: Barn is in very poor condition. Roof is rotted out on North side and some of the							
beams are rotting . East wall is bowed out about one half way up. Very ornate brick work with soldier							
brick arches over each window and a large brick arch doorway on West. This doorway is 12'-3" wide and							
11' tall and has two doors 6'-6" wide which swing in. These doors are in good condition. There was no							
hay track to lift hay into the hayloft. There are three awning hayloft doors on the South and North sides							
and one on the East side. All of the havehad to be manually nitched up into the havloft							

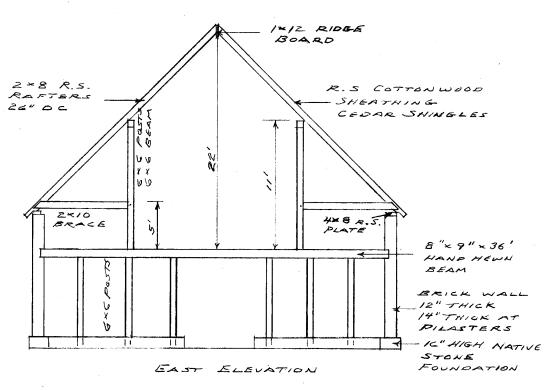


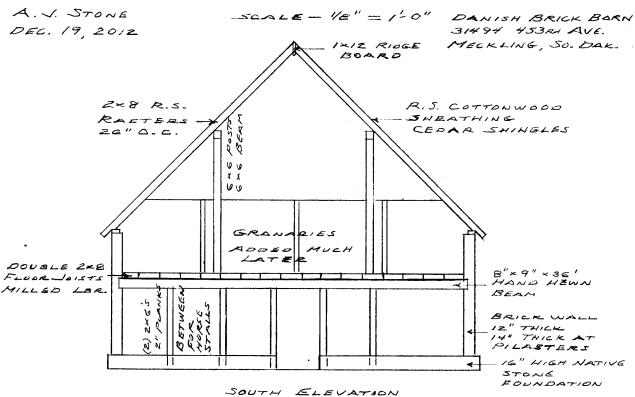




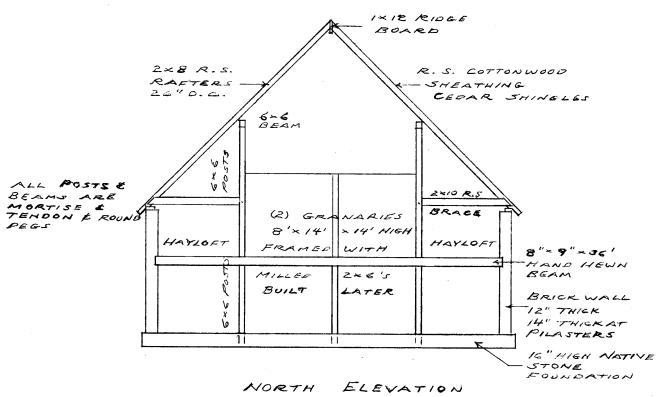








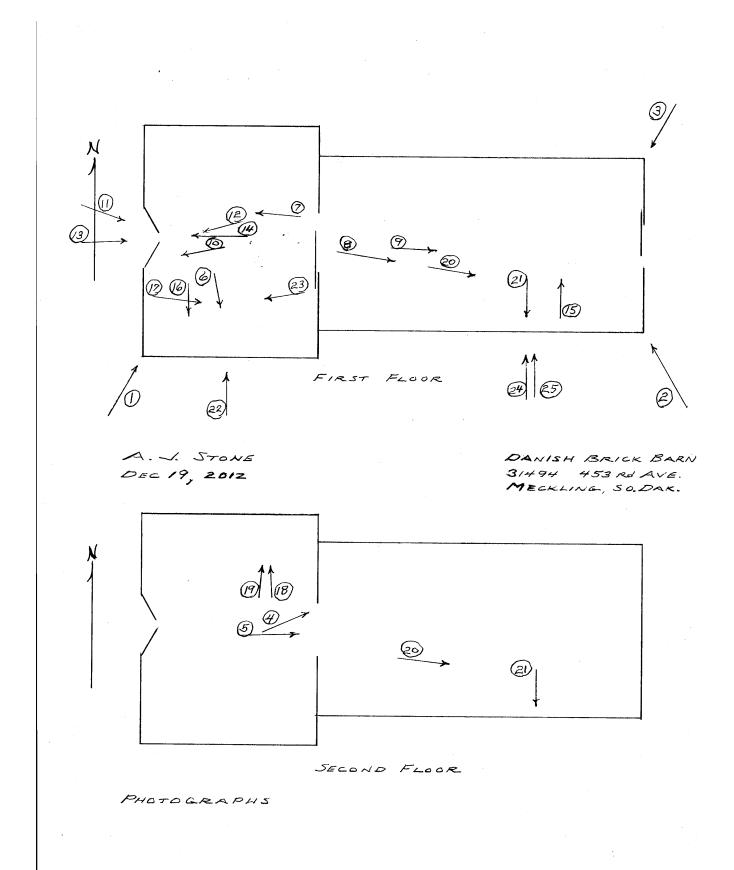




A.J. STONE DEC. 19, 2012 SCALE - 1/8" = 1'-0"

DANISH BRICK BARN 31494 453Rd AVE. MECKLING, SO. DAK.









PHOTOGRAPHER: Jim Stone ROLL NUMBER: DATE OF PHOTO: March 23, 2012 PHOTO NUMBER: 1

CAMERA DIRECTION: Looking NE, SW corner



PHOTOGRAPHER: Jim Stone ROLL NUMBER: DATE OF PHOTO: March 23, 2012 PHOTO NUMBER: 2
CAMERA DIRECTION: Looking NW, SE corner





PHOTOGRAPHER: Jim Stone ROLL NUMBER: 3

DATE OF PHOTO: March 23, 2012 PHOTO NUMBER: 3

CAMERA DIRECTION: Looking SW, NE corner



PHOTOGRAPHER: Jim Stone ROLL NUMBER: 4

DATE OF PHOTO: March 23, 2012 PHOTO NUMBER: 4

Hayloft, looking NE note 2x8 mortised into 6x6 CAMERA DIRECTION: post with round peg





PHOTOGRAPHER: Jim Stone

DATE OF PHOTO: March 23, 2012

ROLL NUMBER: PHOTO NUMBER: 5

Hayloft, looking SE 6x6 posts and 6x6 beam supporting center of

CAMERA DIRECTION: _____ rafters



PHOTOGRAPHER: DATE OF PHOTO: March 23, 2012

Jim Stone

ROLL NUMBER: 6

First floor, West side looking through feed

CAMERA DIRECTION: door into horse stalls





PHOTOGRAPHER: DATE OF PHOTO:

Jim Stone March 23, 2012 ROLL NUMBER: PHOTO NUMBER:

7

First floor, looking NW, two granaries and inswing doors on arched doorway in West wall.

CAMERA DIRECTION: doorway in West wall.



PHOTOGRAPHER: _ DATE OF PHOTO:

Jim Stone March 23, 2012 ROLL NUMBER: PHOTO NUMBER:

8

First floor, East wing, note 8"x9" hand hewn beams with 6x6 posts mortised into beam

CAMERA DIRECTION:





PHOTOGRAPHER:

Jim Stone DATE OF PHOTO: March 23, 2012

ROLL NUMBER: PHOTO NUMBER:

First floor, east wing, looking east, note 8"x9" hand hewn beams and 6x6 hand hewn posts

CAMERA DIRECTION:



PHOTOGRAPHER:

Jim Stone DATE OF PHOTO: March 23, 2012

ROLL NUMBER: PHOTO NUMBER:

10

First floor, west side, looking SW, in-swing double doors for arched

CAMERA DIRECTION: doorway





PHOTOGRAPHER: DATE OF PHOTO:

Jim Stone March 23, 2012

ROLL NUMBER: PHOTO NUMBER:

11

Looking East, West wing, with soldier brick arch doorway

CAMERA DIRECTION:

PHOTOGRAPHER: DATE OF PHOTO:

Jim Stone **December 12, 2012**

ROLL NUMBER: PHOTO NUMBER:

12

First floor, looking West. Inside of 12'-3" x 11' doors on West wall, in closed position, note

CAMERA DIRECTION: walk door.





PHOTOGRAPHER: DATE OF PHOTO:

Jim Stone December 12, 2012

ROLL NUMBER: PHOTO NUMBER:

13

Looking East, soldier brick arch doorway on West wall, with doors closed, color left for

CAMERA DIRECTION: history.



PHOTOGRAPHER: DATE OF PHOTO:

Jim Stone December 12, 2012

ROLL NUMBER: PHOTO NUMBER:

14

First floor, looking West, inside of 12'-3" x 11'

CAMERA DIRECTION: double in-swing doors.





PHOTOGRAPHER: _ DATE OF PHOTO:

Jim Stone December 12, 2012 ROLL NUMBER: PHOTO NUMBER:

15

First floor, looking North, bottom of 8"x9" hand hewn beam, note mortis where two posts have been removed, mold on heam from leaking roof

CAMERA DIRECTION: beam from leaking roof.



PHOTOGRAPHER: ____
DATE OF PHOTO:

Jim Stone December 12, 2012 ROLL NUMBER: PHOTO NUMBER:

16

First floor, looking South, heart shaped finger pull in feed doors for horse

CAMERA DIRECTION: stalls.

* = REQUIRED FIELD





PHOTOGRAPHER: _ DATE OF PHOTO:

Jim Stone December 12, 2012 ROLL NUMBER: PHOTO NUMBER:

17

First floor, looking SE, feed doors to horse stalls behind solid wall, grain chute to move grain into wagon from overhead bins.

CAMERA DIRECTION:



PHOTOGRAPHER: _ DATE OF PHOTO:

Jim Stone December 12, 2012 ROLL NUMBER: PHOTO NUMBER:

18

First floor, looking North in West wing, hand hewn beams with notching for floor joints (removed)

CAMERA DIRECTION: floor joists (removed)





PHOTOGRAPHER: _ DATE OF PHOTO:

Jim Stone December 12, 2012 ROLL NUMBER: PHOTO NUMBER:

19

First floor, looking North in West wing, hand hewn beams with notching for floor joists (removed)

CAMERA DIRECTION: floor joists (removed)



PHOTOGRAPHER: _____
DATE OF PHOTO:

Jim Stone December 18, 2012 ROLL NUMBER: PHOTO NUMBER:

20

Hayloft, East wing, looking SE, 4x6 posts and 2x10 brace to bottom of rafters, note mortise,

CAMERA DIRECTION: tendon and pegs.

* = REQUIRED FIELD





PHOTOGRAPHER: DATE OF PHOTO:

Jim Stone **December 18, 2012**

ROLL NUMBER: PHOTO NUMBER:

Hayloft, East wing, looking South, awning hay door for pitching hay

CAMERA DIRECTION: into loft.



PHOTOGRAPHER: DATE OF PHOTO:

Jim Stone **December 18, 2012**

ROLL NUMBER: PHOTO NUMBER:

Looking North, 5'-3"x 6'-2" double in-swing doors in South wall of West wing, color left for

CAMERA DIRECTION: history.





PHOTOGRAPHER:

Jim Stone DATE OF PHOTO: December 18, 2012

ROLL NUMBER: PHOTO NUMBER:

23

First floor, looking West in West wing, feed doors for horse stalls behind solid wall, grain chute to move grain from overhead bins into

CAMERA DIRECTION: wagons,



PHOTOGRAPHER: DATE OF PHOTO:

Jim Stone December 18, 2012

ROLL NUMBER: PHOTO NUMBER:

South wall, looking North, soldier brick arch above

CAMERA DIRECTION: double doors.





PHOTOGRAPHER: DATE OF PHOTO:

Jim Stone December 18, 2012

ROLL NUMBER: PHOTO NUMBER:

South wall, looking North, soldier brick arch above 9"x9" four light over 9"x9" four light window, awning hay door into loft

CAMERA DIRECTION: above.



PHOTOGRAPHER: DATE OF PHOTO: **Evelyn Schlenker December 1, 2012**

ROLL NUMBER: PHOTO NUMBER:

CAMERA DIRECTION: East wing.

Looking SW, north wall of





PHOTOGRAPHER:

Evelyn Schlenker DATE OF PHOTO: December 1, 2012

ROLL NUMBER: PHOTO NUMBER:

27 Looking East, door in the CAMERA DIRECTION: NW corner of West wing.



PHOTOGRAPHER: Evelyn Schlenker DATE OF PHOTO: December 1, 2012

ROLL NUMBER: PHOTO NUMBER:

Looking North,

foundation under South wall, native quartzite stone. Color left for

CAMERA DIRECTION: history.





PHOTOGRAPHER:

PHOTOGRAPHER: Evelyn Schlenker
DATE OF PHOTO: December 1, 2012

ROLL NUMBER: PHOTO NUMBER:

One of many names and dates carved into soft

CAMERA DIRECTION: brick.



PHOTOGRAPHER: DATE OF PHOTO:

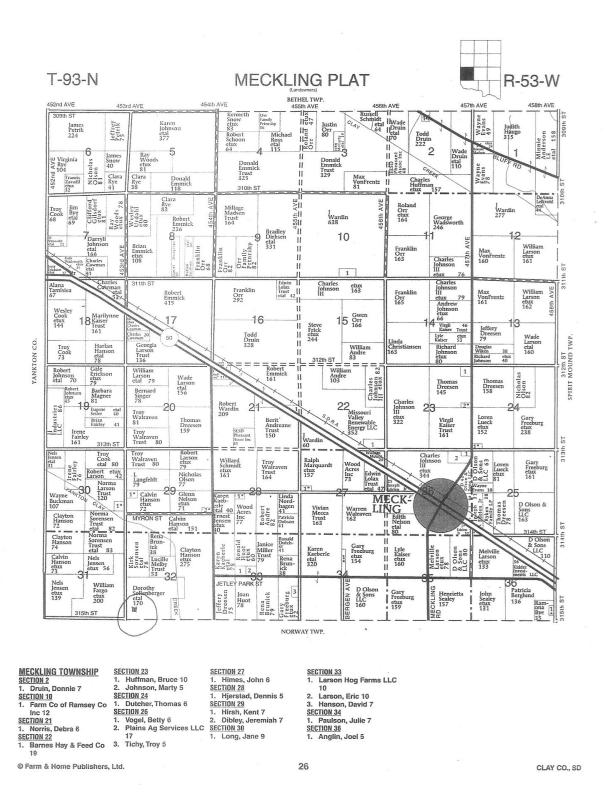
Evelyn Schlenker December 1, 2012

ROLL NUMBER: PHOTO NUMBER:

Looking East, roof framing at the intersection of the East and West wings and

CAMERA DIRECTION: down the East wing.







HISTORY

Johnsen, Calle Nissen / Hansen farmstead is on the National Historical Register.

Calle Nissen Johnsen was one of the first Danes to settle in this area. Section 32, Meckling Twp. He emigrated from Scheswig, Denmark and purchased a land patent on 160 acres for \$200 in 1869. Carl Hansen, a grandson of Calle Nissen Johnson inherited or bought the farm. It was in the family for 143 years and then purchased by Kyle Jensen.

The most distinctive feature of this rural historic district is the clay brick barn, thought to be the only remaining brick barn from the 1870's in the area. With unique walls constructed of clay brick manufactured on the property, work commenced in 1870 and was completed in 1878. Yes, the clay was dug on site, bricks formed, dried and bricks fired on site. I can't imagine the amount of firewood they must have used to fire that many bricks. The T shaped barn 47'long (North to South) and 36' wide (East to West) on the West end and a 36' wide (North to South) by 67' (East to West) on the East side. The foundation is red granite stone, which is about 1'-5" above ground level. The brickwork is very ornate with soldier brick arches over all door and window openings, except the seven hayloft doors (three on the North wall, three on the South wall and one on the East wall of the East wing of the barn) as the top of the door is at the top of the 12' wall. The brick walls have pilasters built into all six corners and four in each of the 67' walls on the East part of the barn. The West side and all of the 36' gable ends each have two pilasters and the corner pilasters.

The hayloft floor in the East 36' x 67' is supported with massive hand hewn cottonwood beams 8"x9" x 36' long which run North to South the 36' width. These beams are about 6' O.C. and are supported by hand hewn cottonwood 6x6 posts. The posts are mortised and tendon into the bottom of the beams. There are six posts under each beam, which are about 4' O.C. from the North and South walls, leaving a 12' alley in the center running East to West. On the first floor there were single cow stalls between each row of 6x6 posts. It not known if these served as milk cow stanchions or to feed cattle for market. There is one pen with a manger and feed boxes in the Southwest corner of the East wing that is said to have been a calving pen.

The hayloft in the 36'x47' West end has six rows of the massive hand hewn cottonwood 8"x9" x 36' beams running the 36' width East to West. These beams are 8' O.C. from the South and about 5' O.C. from the North wall, leaving a 14' alley in the center, which lines up with the alley to the East. Plus another 8"x9" beam imbedded into the South brick wall. These beams are supported by hand hewn cottonwood posts 8' O.C. on the North side and 4'-6" and 9' O.C. on the South side. Each post is mortised and tendon into the bottom of the beams. There are 5 single and one double horse stalls on the South side. The wall between the alley and the horse stalls is covered with boards for a solid wall. There are doors with heart shaped finger pulls to open to feed the horses.



There are mortise holes 2' O.C. in the bottom of the center 16' of the 8"x9" beam which is on the North side of the alley. The 9' on each end of this beam do not have these mortise holes. This may have been a granary or a corncrib under a hayloft on the second floor. There could have been granaries above on the hayloft floor and the reason for the four 8"x9" beams 5' O.C. plus another beam imbedded into the North brick wall on the North side of the West wing.

The floor joists have been replaced with double milled 2x8's and five granaries have been built above on the South side. It is believed that the South side above the horse stalls was a hayloft and the beams supporting were 8' O.C. There are two granaries in the center of the North side, with a 9' space for haylofts on the East and West sides. The granaries on the North have been rebuilt with milled 2x6's and 1x10 shiplap. The original floor joists have been removed to make the granaries go up through the hayloft floor to make these granaries about 14' high. The beams still are in place and have the notches where the original floor joists were

The 2x8 rough sawn cottonwood rafters are supported in the center of each rafter with one row of 6x6 posts and 6x6 beams. The posts are about 6' O.C. in the East wing of the barn. These posts are mortised and tendon into the bottom of the beam above. There is a rough sawn cottonwood 2x10 from the top of the 12' high brick wall horizontally to each post and is mortised tendon into the posts with a round wood peg. The rafters in the West side are supported with four 6x6 posts and a 6x6 beam running North to South. These posts also set on top of the beams below and are mortised and tendon into the beams with the end posts setting on top of the brick wall. The roof sheathing is rough sawn cotton boards covered with cedar shingles. The first wood shingles would have been cottonwood shingles made locally. The gable ends have vertical boards for siding.

