



PLAN

**BILL OF MATERIALS**

**CONCRETE: 1:3:5 MIX**  
22 bags cement      2 1/2 cu. yds. ss/rd  
2 cu. yds. gravel

**LUMBER**

4 - 2"x6"-24'	1 - 2"x8"-10'
8 - 4"x6"-20'	13 - 2"x6"-20'
1 - 4"x4"-10'	10 - 2"x6"-18'
6 - 2"x2"-24'	30 - 2"x6"-16'
2 - 2"x12"-20'	12 - 2"x6"-14'
2 - 2"x12"-16'	6 - 2"x6"-12'
2 - 2"x12"-16'	20 - 2"x6"-10'
1 - 2"x12"-8'	18 - 2"x4"-16'
18 - 2"x4"-16'	4 - 2"x4"-14'
8 - 2"x8"-20'	8 - 2"x4"-12'
36 - 2"x8"-16'	14 - 2"x4"-8'
12 - 2"x8"-14'	12 - 2"x2"-14'

**Siding**

58 - 1"x12"-14'	56 - 1/2"x3"-14'
18 - 1"x12"-20'	16 - 1/2"x3"-20'

**Hay Door (one end only)**

12 - 1"x6"-14' T & G	3 - 2"x4"-10' batten
12 - 1"x6"-12' "	2 - 1"x6"-12' braces
2 - 2"x12"-10' batten	1 - 1"x12"-10' furring

**Roof**

2000 ft 3M sheathing  
18 - squares roofing

**MISCELLANEOUS**

3 - 10' strap hinges	
12 - 3"x3"x 3/4"x 3/4" angle irons	
32 - 3/4"x1'-8" steel reinforcing rods	
2 - 1/2"x 1/2" steel straps (Detail W)	
12 - 1"x 1/2"x 18" straps (roof)	

**Boils**

6 - 3/4"x4 1/2"	4 - 3/4"x13"
16 - 3/4"x8"	3 - 3/4"x12"
1 - 3/4"x11"	2 - 3/4"x16"
28 - 1/2"x12"	

**NAILS**

60 - lbs 20d common	
60 - lbs 8d "	
16 - lbs 6d "	

**NOTE:**  
Capacity 20 tons per 16' 0" of length

COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS  
STATE OF NORTH DAKOTA  
**NORTH DAKOTA AGRICULTURAL COLLEGE**  
and  
U. S. DEPT. OF AGRICULTURE COOPERATING

**HAY SHED**

UNIVERSITY OF NORTH DAKOTA PRESS 1939 SHEET 01