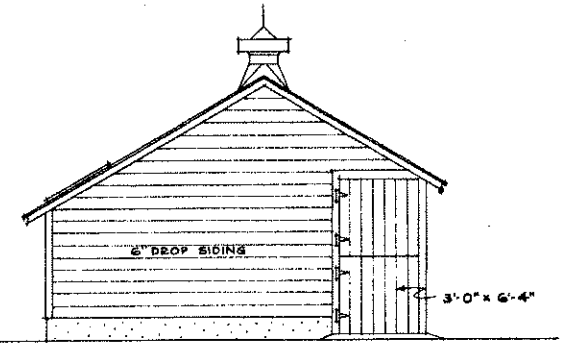
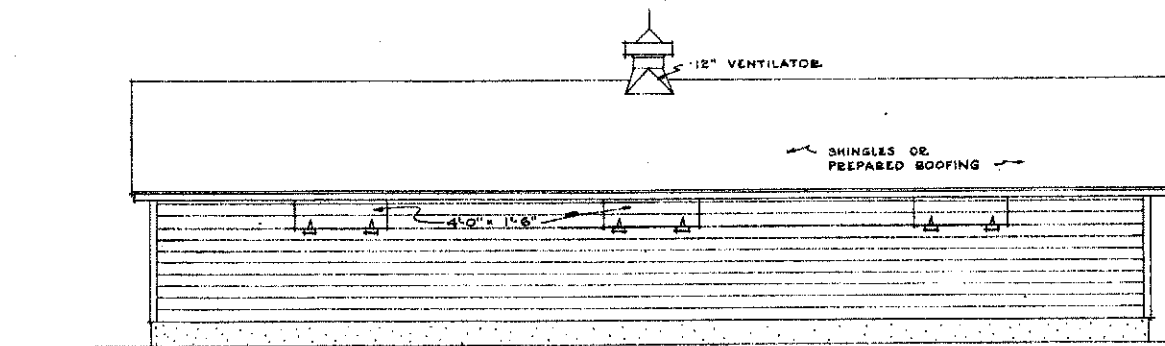


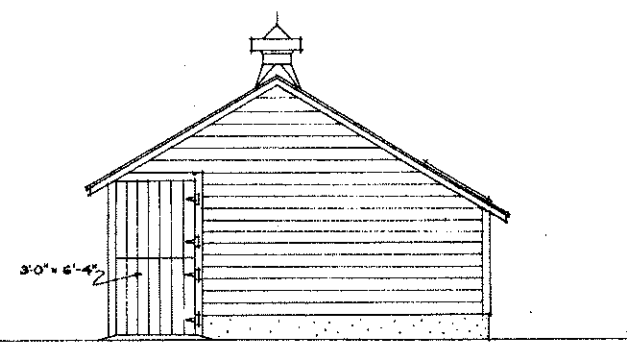
SOUTH ELEVATION  
SCALE  $\frac{1}{4}$ " = 1'-0"



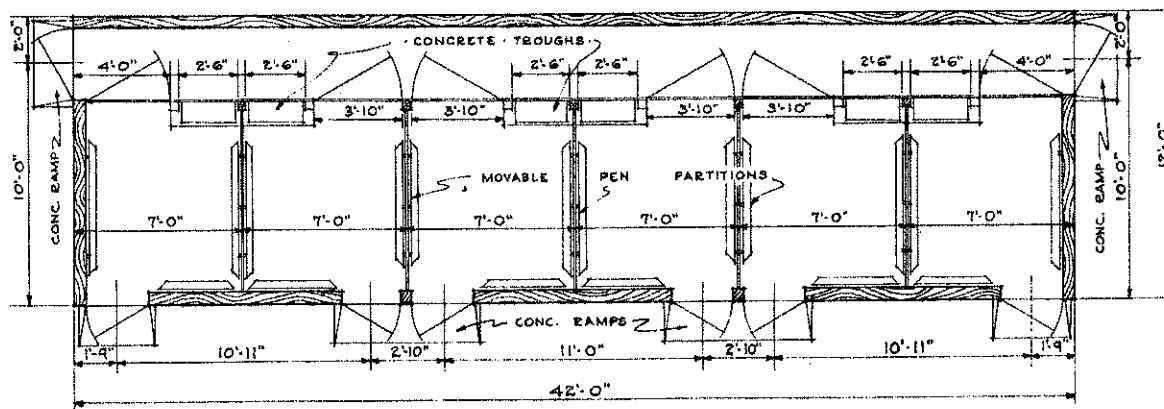
EAST ELEVATION  
SCALE  $\frac{1}{4}$ " = 1'-0"



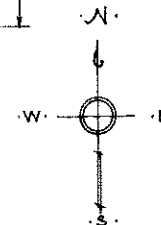
NORTH ELEVATION  
SCALE  $\frac{1}{4}$ " = 1'-0"



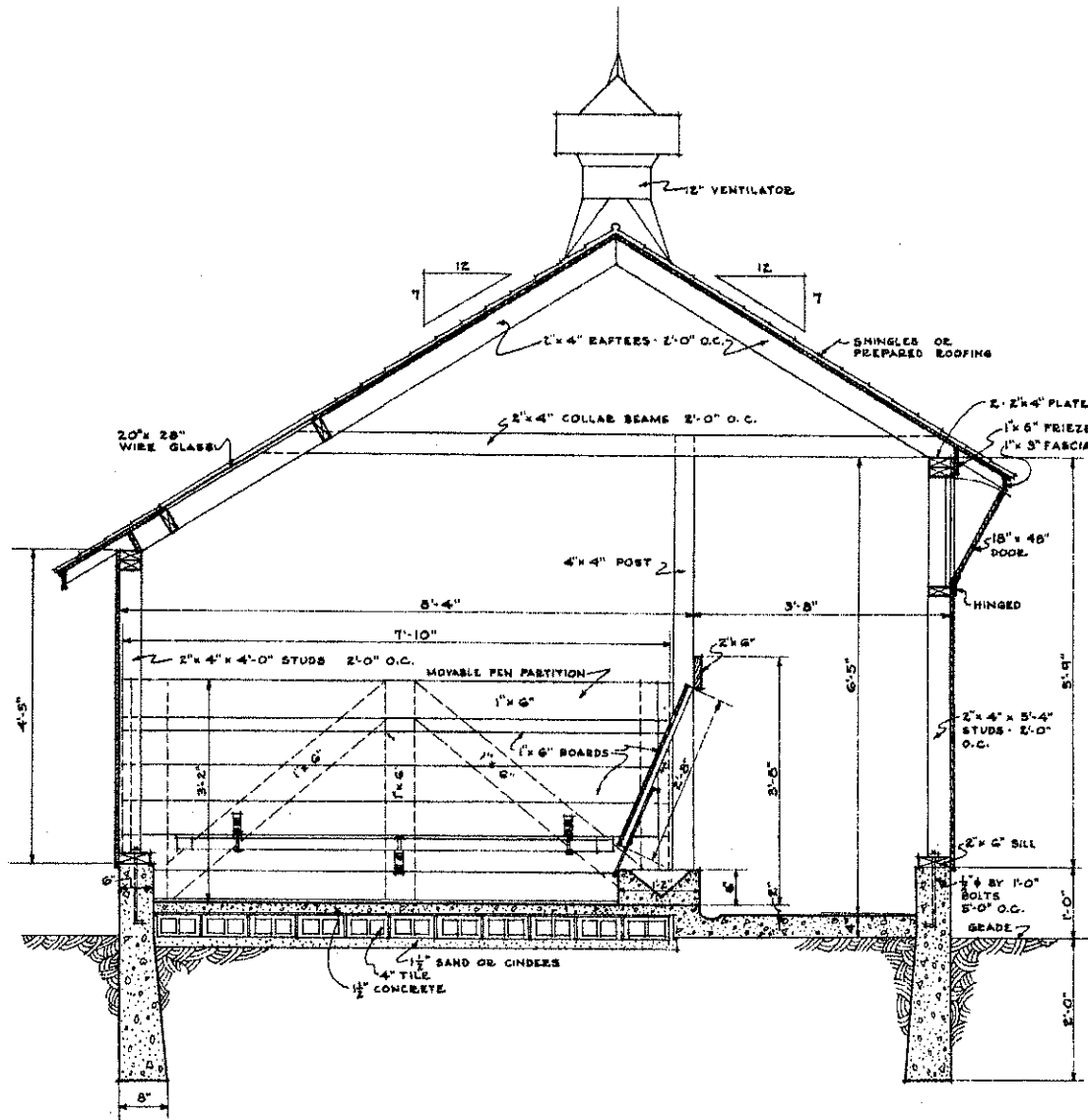
WEST ELEVATION  
SCALE  $\frac{1}{4}$ " = 1'-0"



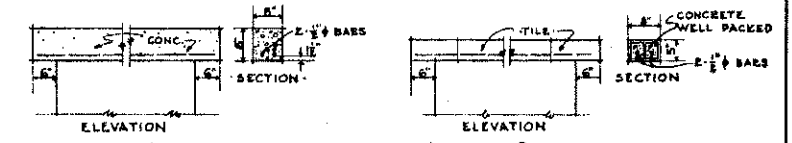
FLOOR PLAN  
SCALE  $\frac{1}{4}$ " = 1'-0"



COOPERATIVE EXTENSION WORK IN  
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 STATE OF NORTH DAKOTA  
 NORTH DAKOTA AGRICULTURAL COLLEGE  
 AND  
 U. S. DEPT. OF AGRICULTURE COOPERATING  
 EXT. AGR'L. ENGINEER - FARGO, N. DAK.  
**SINGLE ROW FARROWING HOUSE**  
 MIDWEST 7264 35/EX 5277 SHEET 1 OF 3

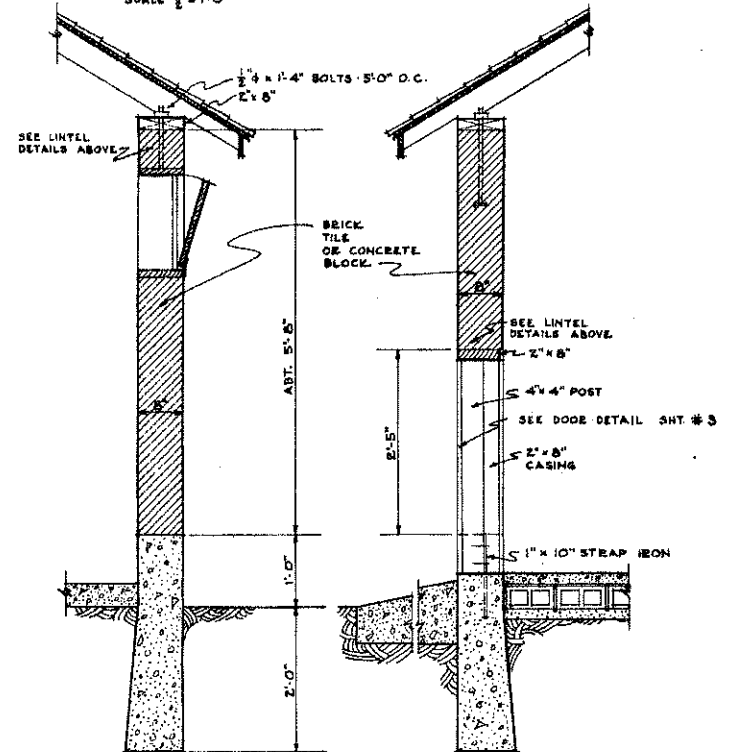


SECTION  
SCALE  $\frac{1}{2}$ " = 1'-0"



LINTEL DETAIL  
FOR BRICK OR CONCRETE  
BLOCK WALL  
SCALE  $\frac{1}{2}$ " = 1'-0"

LINTEL DETAIL  
FOR TILE WALL  
SCALE  $\frac{1}{2}$ " = 1'-0"

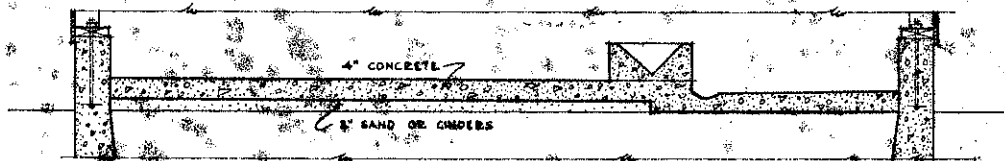


REAR WALL

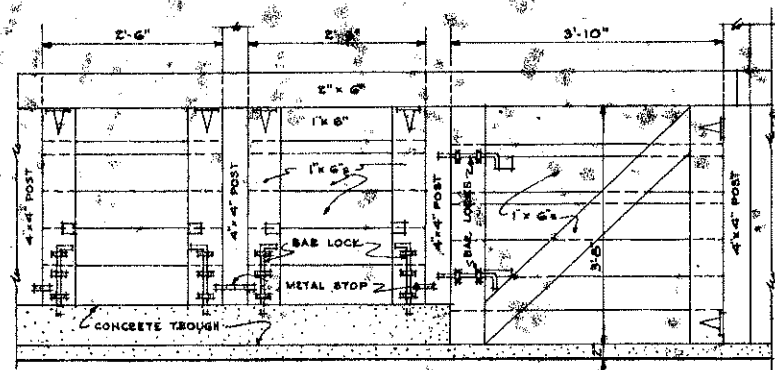
FRONT WALL

ALTERNATE WALL CONSTRUCTION  
SCALE  $\frac{1}{2}$ " = 1'-0"

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EXT. AGR'L. ENGINEER—FARGO, N. DAK.  
**SINGLE ROW FARROWING HOUSE**  
HOWARD 1268 1270 1272 1274 1276 1278 1280 1282 1284 1286 1288 1290 1292 1294 1296 1298 1300 1302 1304 1306 1308 1310 1312 1314 1316 1318 1320 1322 1324 1326 1328 1330 1332 1334 1336 1338 1340 1342 1344 1346 1348 1350 1352 1354 1356 1358 1360 1362 1364 1366 1368 1370 1372 1374 1376 1378 1380 1382 1384 1386 1388 1390 1392 1394 1396 1398 1400 1402 1404 1406 1408 1410 1412 1414 1416 1418 1420 1422 1424 1426 1428 1430 1432 1434 1436 1438 1440 1442 1444 1446 1448 1450 1452 1454 1456 1458 1460 1462 1464 1466 1468 1470 1472 1474 1476 1478 1480 1482 1484 1486 1488 1490 1492 1494 1496 1498 1500 1502 1504 1506 1508 1510 1512 1514 1516 1518 1520 1522 1524 1526 1528 1530 1532 1534 1536 1538 1540 1542 1544 1546 1548 1550 1552 1554 1556 1558 1560 1562 1564 1566 1568 1570 1572 1574 1576 1578 1580 1582 1584 1586 1588 1590 1592 1594 1596 1598 1600 1602 1604 1606 1608 1610 1612 1614 1616 1618 1620 1622 1624 1626 1628 1630 1632 1634 1636 1638 1640 1642 1644 1646 1648 1650 1652 1654 1656 1658 1660 1662 1664 1666 1668 1670 1672 1674 1676 1678 1680 1682 1684 1686 1688 1690 1692 1694 1696 1698 1700 1702 1704 1706 1708 1710 1712 1714 1716 1718 1720 1722 1724 1726 1728 1730 1732 1734 1736 1738 1740 1742 1744 1746 1748 1750 1752 1754 1756 1758 1760 1762 1764 1766 1768 1770 1772 1774 1776 1778 1780 1782 1784 1786 1788 1790 1792 1794 1796 1798 1800 1802 1804 1806 1808 1810 1812 1814 1816 1818 1820 1822 1824 1826 1828 1830 1832 1834 1836 1838 1840 1842 1844 1846 1848 1850 1852 1854 1856 1858 1860 1862 1864 1866 1868 1870 1872 1874 1876 1878 1880 1882 1884 1886 1888 1890 1892 1894 1896 1898 1900 1902 1904 1906 1908 1910 1912 1914 1916 1918 1920 1922 1924 1926 1928 1930 1932 1934 1936 1938 1940 1942 1944 1946 1948 1950 1952 1954 1956 1958 1960 1962 1964 1966 1968 1970 1972 1974 1976 1978 1980 1982 1984 1986 1988 1990 1992 1994 1996 1998 2000



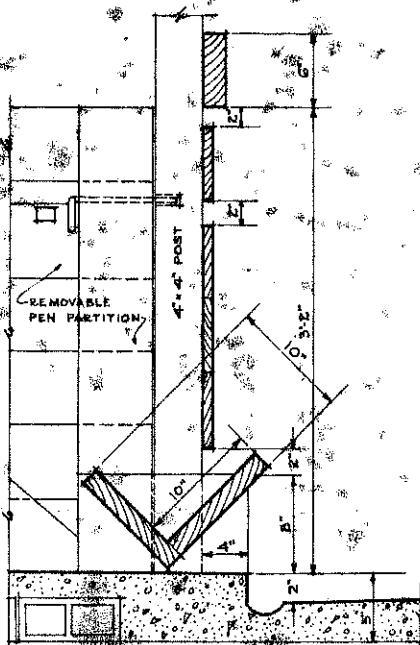
SECTION THRU ALTERNATE FLOOR CONSTRUCTION  
SCALE:  $\frac{3}{4}$ " = 1'-0"



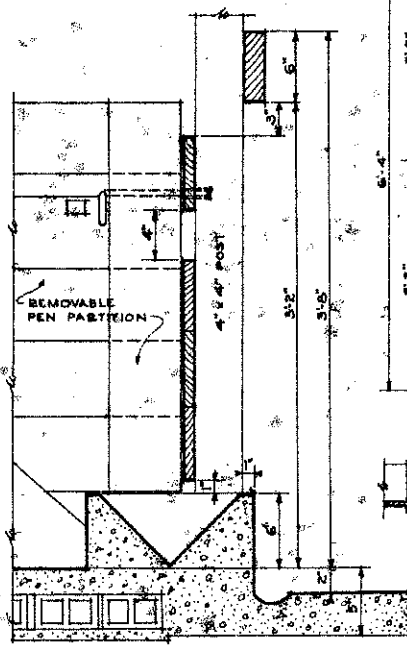
ELEVATION OF PEN GATES AND TROUGHS  
SCALE:  $\frac{3}{4}$ " = 1'-0"



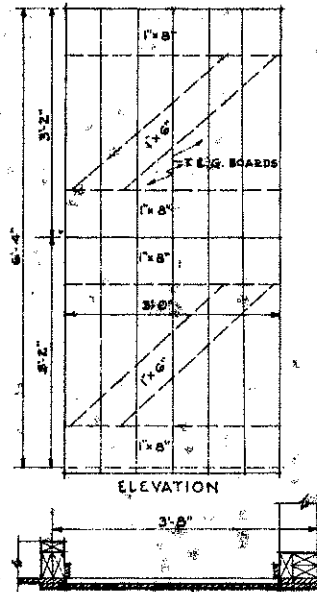
PLAN OF MOVABLE PEN PARTITION  
SCALE:  $\frac{3}{4}$ " = 1'-0"



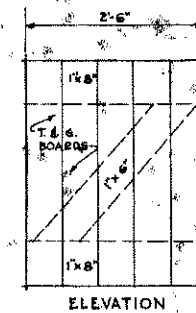
REMOVABLE WOOD TROUGH WITH SOLID FRONT PANEL



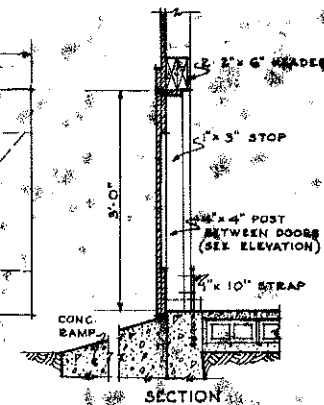
CONCRETE TROUGH WITH SOLID FRONT PANEL



JAMB SECTION  
DETAIL OF DOORS  
IN EAST & WEST  
WALLS  
SCALE:  $\frac{3}{4}$ " = 1'-0"



ELEVATION



SECTION  
DETAIL OF DOORS  
IN SOUTH WALL  
SCALE:  $\frac{3}{4}$ " = 1'-0"

ALTERNATE PEN FRONT DETAILS  
SCALE:  $\frac{1}{2}$ " = 1'-0"

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EXT. AGR'L. ENGINEER - FARGO, N. DAK.  
SINGLE ROW FARMING HOUSE  
NO. 127 7-16-31 3-17-37