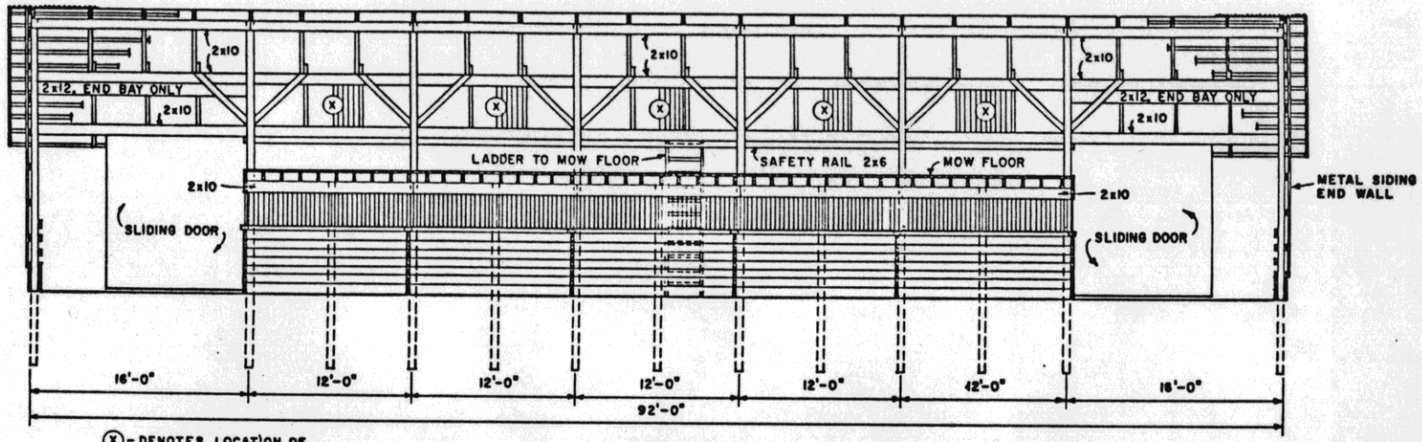
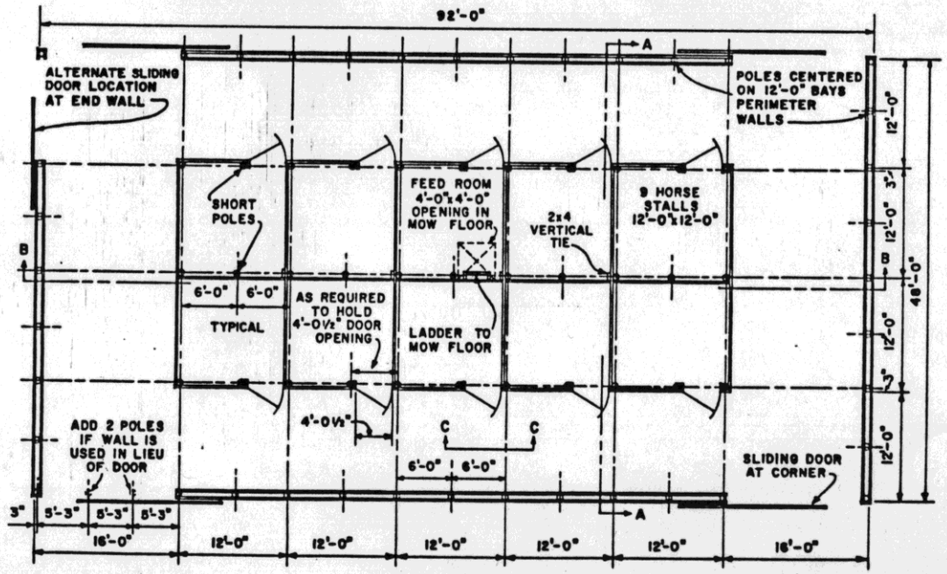


(X) - DENOTES LOCATION OF TRANSLUCENT ROOF PANELS IN 12'-0" BAYS OVER EXERCISE AREA

SECTION B-B

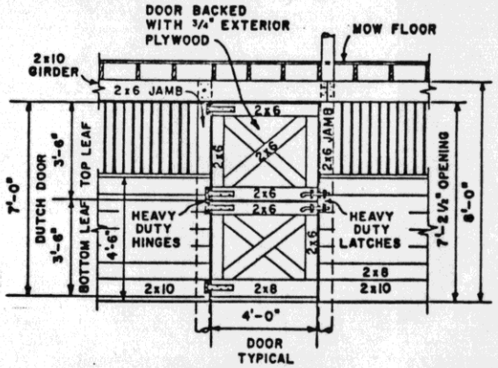
SCALE: 3/16"=1'-0"



NOTE: ● DENOTES SHORT POLE

FLOOR PLAN

SCALE: 1/8"=1'-0"



ELEVATION C-C

SCALE: 3/8"=1'-0"

BASED ON: RUTGERS UNIV. - N.J. PLAN NO. 155

COOPERATIVE EXTENSION WORK IN
AGRICULTURE AND HOME ECONOMICS
STATE OF NORTH DAKOTA
NORTH DAKOTA STATE UNIVERSITY
OF AGRICULTURE AND APPLIED SCIENCE
AND
UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

HORSEBARN
INDOOR EXERCISE AREA

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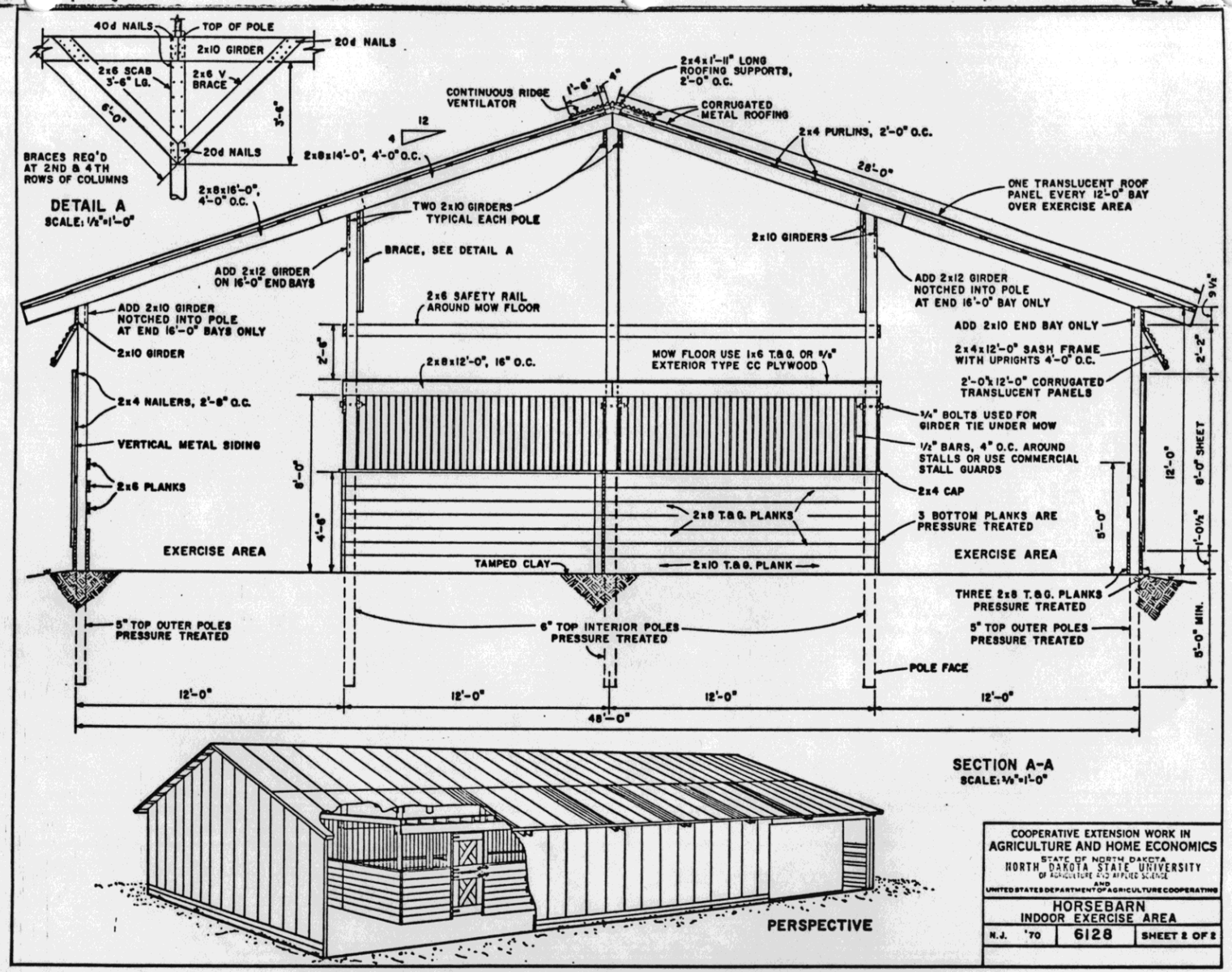
40d NAILS
TOP OF POLE
2x10 GIRDER
20d NAILS
2x6 SCAB 3'-6" LG.
2x6 V BRACE
6'-0"
3'-6"
20d NAILS
BRACES REQ'D AT 2ND & 4TH ROWS OF COLUMNS
DETAIL A
SCALE: 1/2"=1'-0"
CONTINUOUS RIDGE VENTILATOR
1'-6"
4"
2x4x1'-11" LONG ROOFING SUPPORTS, 2'-0" O.C.
CORRUGATED METAL ROOFING
12
4
2x4 PURLINS, 2'-0" O.C.
28'-0"
2x8x14'-0", 4'-0" O.C.
2x8x16'-0", 4'-0" O.C.
ONE TRANSLUCENT ROOF PANEL EVERY 12'-0" BAY OVER EXERCISE AREA
TWO 2x10 GIRDERS TYPICAL EACH POLE
2x10 GIRDERS
BRACE, SEE DETAIL A
ADD 2x12 GIRDER ON 16'-0" END BAYS
ADD 2x12 GIRDER NOTCHED INTO POLE AT END 16'-0" BAY ONLY
9 1/2"
2x6 SAFETY RAIL AROUND MOW FLOOR
ADD 2x10 GIRDER NOTCHED INTO POLE AT END 16'-0" BAYS ONLY
ADD 2x10 END BAY ONLY
2x10 GIRDER
2'-6"
2x8x12'-0", 16" O.C.
MOW FLOOR USE 1x6 T.&G. OR 5/8" EXTERIOR TYPE CC PLYWOOD
2x4x12'-0" SASH FRAME WITH UPRIGHTS 4'-0" O.C.
2'-2"
2'-0"x12'-0" CORRUGATED TRANSLUCENT PANELS
2x4 NAILERS, 2'-8" O.C.
1/4" BOLTS USED FOR GIRDER TIE UNDER MOW
VERTICAL METAL SIDING
1/2" BARS, 4" O.C. AROUND STALLS OR USE COMMERCIAL STALL GUARDS
12'-0"
8'-0" SHEET
8'-0"
2x6 PLANKS
2x4 CAP
2x8 T.&G. PLANKS
3 BOTTOM PLANKS ARE PRESSURE TREATED
4'-8"
5'-0"
1'-0 1/2"
EXERCISE AREA
EXERCISE AREA
TAMPED CLAY
2x10 T.&G. PLANK
THREE 2x8 T.&G. PLANKS PRESSURE TREATED
5" TOP OUTER POLES PRESSURE TREATED
6" TOP INTERIOR POLES PRESSURE TREATED
5" TOP OUTER POLES PRESSURE TREATED
5'-0" MIN.
POLE FACE
12'-0"
12'-0"
12'-0"
12'-0"
48'-0"
SECTION A-A
SCALE: 1/8"=1'-0"
PERSPECTIVE
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SHEET 2 OF 2