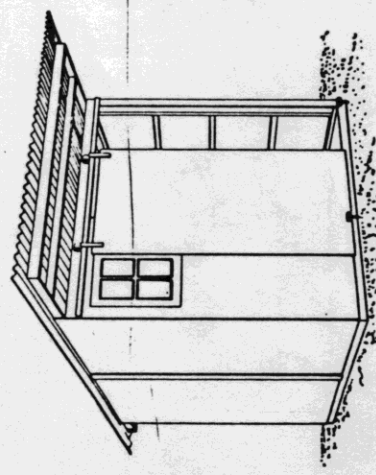
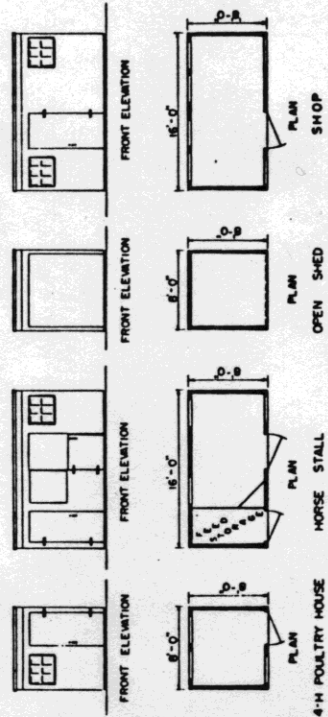


USES OF UTILITY SHED

- I. GENERAL**
 1. ALL JOINTS MAY BE CALKED TO PROVIDE A MORE WEATHER PROOF STRUCTURE.
 2. DOORS MAY BE SLIDING OR SWING TYPE.
 3. CONCRETE OR WOOD FLOOR SHOWN ON SHEET No. 2.
- II. TOOL SHED 8'-0" x 8'-0" (SHOWN ABOVE)**
 1. 4-11 20 BIRD POULTRY HOUSE 8'-0" x 8'-0"
 2. INSULATION WITH VAPOR BARRIER IN WALLS & CEILING.
 3. INTERIOR FINISH SHOULD BE DONE. CLEANED MATERIAL SHOULD BE KEPT IN THIS SHED.
 4. PROVIDE SCREENS FOR DOORS & WINDOWS (IF MESH DESIRED)
- III. HORSE STALL OR SHEEP PEN 8'-0" x 16'-0"**
 1. STALL AREA INTERIOR, FINISHED WITH 1/2" PLYWOOD
 2. PLANK FLOOR RECOMMENDED
- IV. SHOP**

NOTE
 BATTENS, RAFTER TRIM, SOFFITS, & FASCIA SHOULD BE CUT FROM 1 SHEET OF 1'-4"-0" x 8'-0" EXTERIOR PLYWOOD & WASTE FROM THE SIDING USED ON THE SIDE & REAR PANELS



PERSPECTIVE

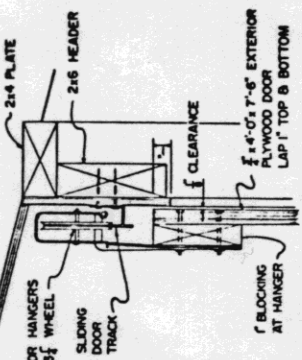
BILL OF MATERIALS

ITEM	PCS.	SIZE	AMOUNT
CONCRETE FLOOR	1	8'-0" x 8'-0" x 4"	1 CU YD
CONCRETE	14	3/4" x 16"	14 EA
ANCHOR BOLTS	2	2 x 4 x 16"	27 FBM
OPTIONAL WOOD FLOOR	2	2 x 4 x 16"	16 FBM
JOIST	5	4 x 4 x 16"	54 FBM
END JOIST & SKIDS	2	1/2" x 4'-0" x 16'-0"	2 SHEETS
FLOORING, EXTERIOR PLYWOOD	2	1/2" x 4'-0" x 16'-0"	2 EA
EYE BOLTS	164	1/2" x 16"	1 1/2 LBS.
NAILS, COMMON	64		3/4 LB.
NAILS, GALVANIZED	64		3/4 LB.
2 REAR PANELS	4	2 x 4 x 16'-0"	27 FBM
STUDS	10	2 x 4 x 16'-0"	32 FBM
SILL, GIRTS, & PLATE	2	2 x 4 x 16'-0"	8 FBM
SASH BLOCKING	2	2 x 4 x 16'-0"	2 SHEETS
SIDING, EXTERIOR PLYWOOD	1	1/2" x 8'-0" x 16'-0"	1 STRIP
BATTEN, EXTERIOR PLYWOOD	1	1/2" x 8'-0" x 16'-0"	1 EA
WINDOW	164	1/2" x 16"	1 1/2 LBS.
NAILS, COMMON	64		3/4 LB.
NAILS, GALVANIZED	64		3/4 LB.
4 SIDE PANELS	10	2 x 4 x 16'-0"	27 FBM
GIRTS & SILL	16	2 x 4 x 16'-0"	32 FBM
FRONT & CENTER STUDS	2	2 x 4 x 16'-0"	8 FBM
REAR STUDS	4	1/2" x 4'-0" x 16'-0"	4 SHEETS
SIDING, EXTERIOR PLYWOOD	2	1/2" x 8'-0" x 16'-0"	2 STRIPS
BATTENS, EXTERIOR PLYWOOD	2	1/2" x 8'-0" x 16'-0"	2 STRIPS
RAFTER TRIM, FRONT	2	1/2" x 4'-0" x 16'-0"	1 EA
RAFTER TRIM, REAR	2	1/2" x 4'-0" x 16'-0"	1 EA
RAILS, GALVANIZED	164	1/2" x 16"	1 1/2 LBS.
NAILS, COMMON	64		3/4 LB.
NAILS, GALVANIZED	64		3/4 LB.
1 FRONT PANEL	3	2 x 4 x 16'-0"	16 FBM
STUDS	5	2 x 4 x 16'-0"	14 FBM
SILL, GIRTS, & PLATE	1	2 x 4 x 16'-0"	4 FBM
HEADER	1	2 x 4 x 16'-0"	3 FBM
SASH BLOCKING	1	2 x 4 x 16'-0"	1 SHEET
SIDING, EXTERIOR PLYWOOD	1	1/2" x 4'-0" x 16'-0"	1 EA
WINDOW	164	1/2" x 16"	1 1/2 LBS.
NAILS, COMMON	64		3/4 LB.
NAILS, GALVANIZED	64		3/4 LB.
1 FRONT PANEL - SLIDING DOOR	3	2 x 4 x 16'-0"	16 FBM
STUDS	5	2 x 4 x 16'-0"	14 FBM
PLATE	1	2 x 4 x 16'-0"	4 FBM
HEADER	1	2 x 4 x 16'-0"	3 FBM
SIDING, EXTERIOR PLYWOOD	1	1/2" x 17'-5"	1 STRIP
DOOR, EXTERIOR PLYWOOD	1	1/2" x 17'-5"	1 STRIP
SLIDING DOOR TRACK	1	1/2" x 17'-5"	1 STRIP
SLIDING DOOR TROLLEYS	1	1/2" x 17'-5"	1 STRIP
DOOR STAY ROLLERS	2	3" DIA WHEEL	2 EA
NAILS, COMMON	2	2" DIA WHEEL	2 EA
NAILS, GALVANIZED	164	1/2" x 16"	1 1/2 LBS.
2 ROOF PANELS	4	2 x 4 x 16'-0"	32 FBM
RAFTERS	14	2 x 4 x 16'-0"	38 FBM
GIRTS	1	1/2" x 4'-0" x 16'-0"	1 SHEET
FASCIA, FRONT	1	1/2" x 4'-0" x 16'-0"	1 EA
FASCIA, REAR	1	1/2" x 4'-0" x 16'-0"	1 EA
SOFFIT, FRONT	1	1/2" x 4'-0" x 16'-0"	1 EA
SOFFIT, REAR	1	1/2" x 4'-0" x 16'-0"	1 EA
NAILS, COMMON	164	1/2" x 16"	1 1/2 LBS.
NAILS, GALVANIZED	64		3/4 LB.
NAILS, ALUMINUM	2	2" SCREW SHANK	100 EA
ROOFING, ALUMINUM	2	BY CRIMP	2 SHEETS
FRAMING ANCHORS (AK)	4	.024" x 30" x 1/2"	4 EA
FRAMING ANCHORS (AL)	4	1/8 GAUGE	4 EA

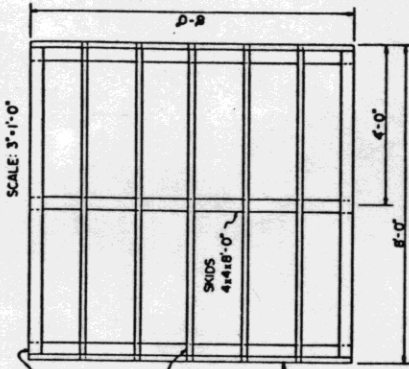
UNIV. OF CONN. PLAN No. 302
 COOPERATIVE EXTENSION WORK IN
 AGRICULTURE AND HOME ECONOMICS
 STATE OF NORTH DAKOTA
 NORTH DAKOTA STATE UNIVERSITY
 DEPARTMENT OF AGRICULTURE AND
 HORTICULTURE
 WASHINGTON FIELD STATION

UTILITY SHED
 CONN. '70 6100 SHEET 1 OF 2

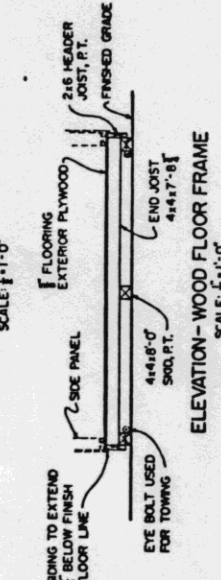
NOTE: SOME TYPES OF SLIDING DOOR HARDWARE REQUIRE LARGER HEADERS TO PROVIDE LAP AT TOP OF DOOR



SLIDING DOOR HARDWARE
SCALE: 3'-1'-0"



OPTIONAL WOOD FLOORING FRAME
SCALE: 1'-1'-0"

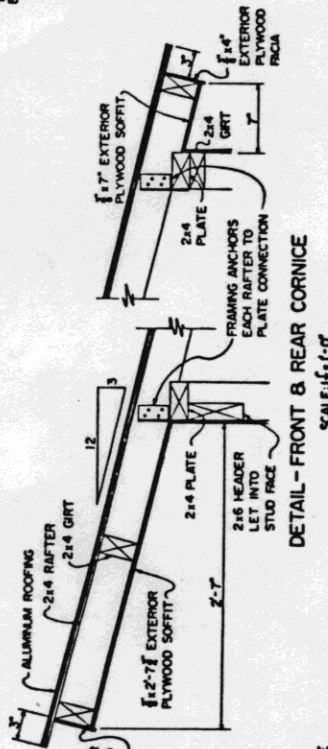


ELEVATION - WOOD FLOOR FRAME
SCALE: 1'-1'-0"

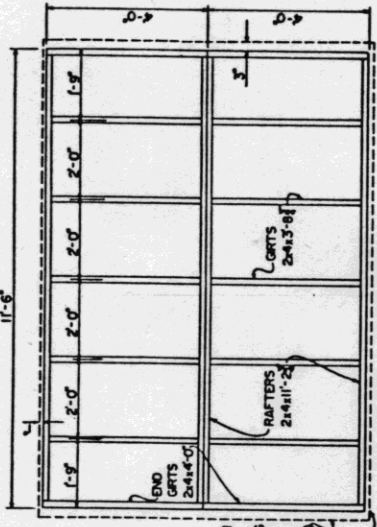
COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS
NORTH DAKOTA STATE UNIVERSITY
DEPARTMENT OF AGRICULTURE AND APPLIED SCIENCES
UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

UTILITY SHED
CONN. 70 6100 SHEET 2 OF 2

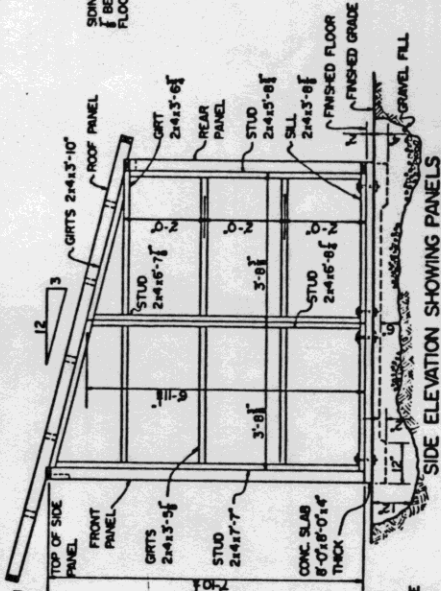
NOTE: PLYWOOD TO BE NAILED WITH 6d GALVANIZED NAILS 6" O.C. AT EXTERIOR EDGES & 12" O.C. AT INTERMEDIATE JOINTS.



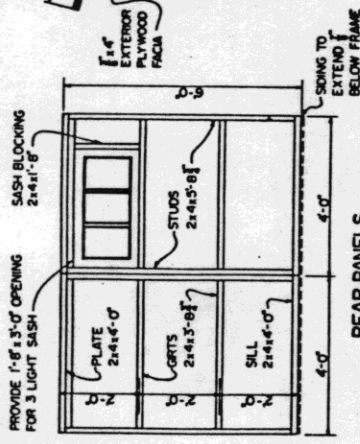
DETAIL - FRONT & REAR CORNICE
SCALE: 1'-1'-0"



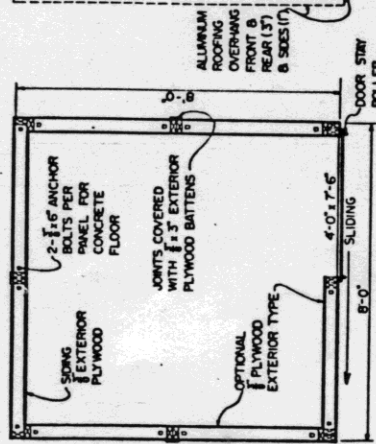
ROOF PANELS
SCALE: 1'-1'-0"



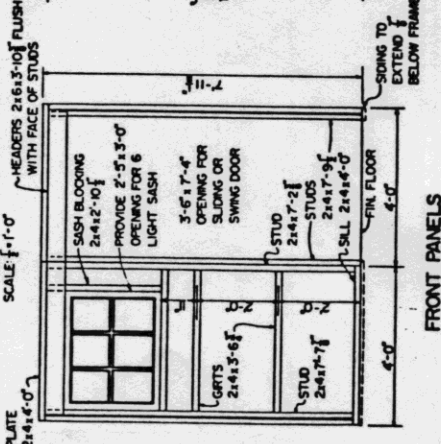
SIDE ELEVATION SHOWING PANELS
SCALE: 1'-1'-0"



REAR PANELS
SCALE: 1'-1'-0"



FRONT PANELS
SCALE: 1'-1'-0"



PLAN
SCALE: 1'-1'-0"