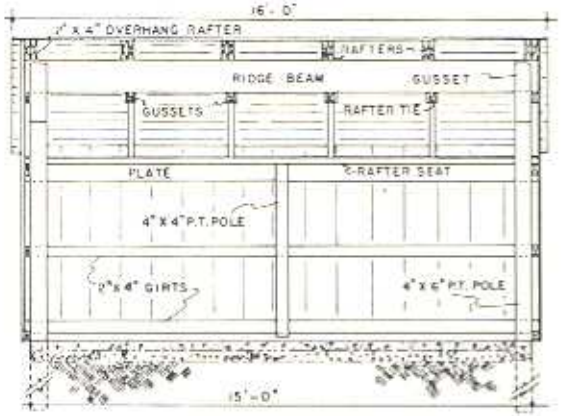
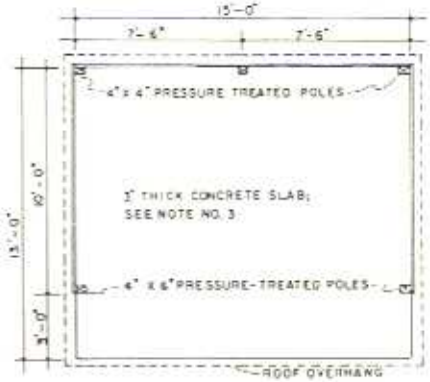


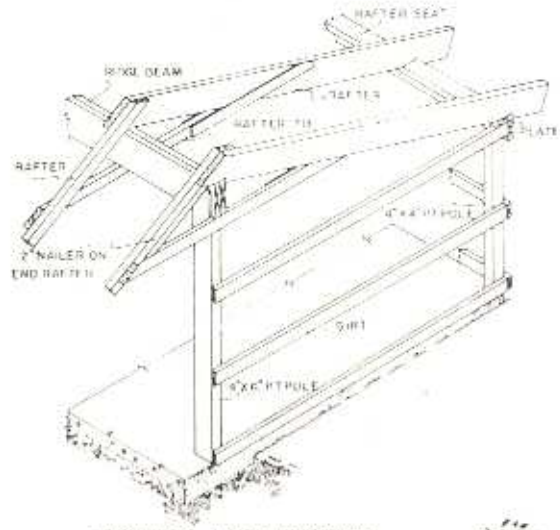
LONGITUDINAL SECTION

SCALE: 0 1 2 3 4 FT



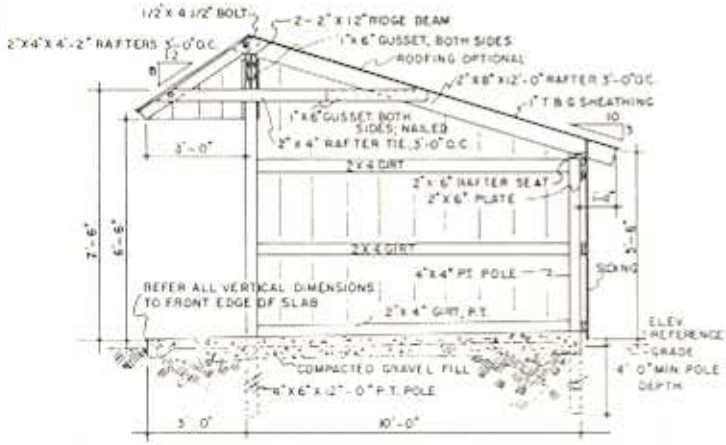
PLAN

SCALE: 0 2 4 6 FT



FRAMING PERSPECTIVE

NO SCALE



CROSS SECTION

SCALE 0 1 2 3 4 FT

1. DESIGN IS BASED ON ROUGH SAWN EASTERN HEMLOCK.
2. DESIGN ROOF LOAD 30lbs PER SQ FOOT.
3. CONCRETE FLOOR SLAB HAS THICKENED EDGE 9" DEEP BY 6" WIDE ALONG BOTTOM SURFACE. SLOPE FLOOR APPROX 1/4" PER FOOT FROM REAR TO OPEN FRONT FOR DRAINAGE. PUDDLING WITHIN SHELTER FROM WIND DRIVEN RAIN MAY BE MINIMIZED BY INCREASING THE SLOPE OF THE 3' FRONT APRON. REQUEST A CONCRETE MIX WITH 3/4" MAX SIZE AGGREGATE, 6 1/2 SACKS OF CEMENT PER CUBIC YARD, 6GAL WATER / CEMENT RATIO, AND APPROPRIATE ENTRAINED AIR BY VOLUME.
4. TAMPED EARTH OR GRAVEL FLOORS MAY BE SUBSTITUTED FOR CONCRETE IF DESIRED.
5. ALL WOOD IN CONTACT WITH EARTH OR CONCRETE SHOULD BE PRESSURE TREATED WITH A PRESERVATIVE.
6. ASSEMBLE RAFTER UNITS ON THE GROUND. IN A JIG FOR BOLT LOCATION, DETACH SHORT 2" X 4" (OVERHANG) RAFTER FROM THE UNIT FOR ERECTION. THE 2"X4" RAFTER SHOULD BE ON THE OUTSIDE OF THE 2"X4" OVERHANG AT BOTH ENDS OF THE BUILDING.
7. ERECT THE 4"X6" POLES WITH RIDGE BEAM FIRST. THE REAR WALL POLES CAN THEN BE LOCATED.
8. FOR WEATHER PROTECTION OR SECURE STORAGE, CLOSE IN THE FRONT WITH AN OPEN FRONT & SOUTHERN EXPOSURE IS DESIREABLE.
9. ROUGH-SAWN BOARD & BATTEN SIDING WITH 10" TO 12" WIDE BOARDS & 2" TO 5" WIDE BATTENS ON CHALKS BETWEEN BOARDS IS ATTRACTIVE. OTHER SIDING MATERIALS CAN BE USED IF DESIRED.

COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS
DEPARTMENT OF AGRICULTURAL ENGINEERING
UNIVERSITY OF MARYLAND

ADIRONDACK-TYPE SHELTER

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