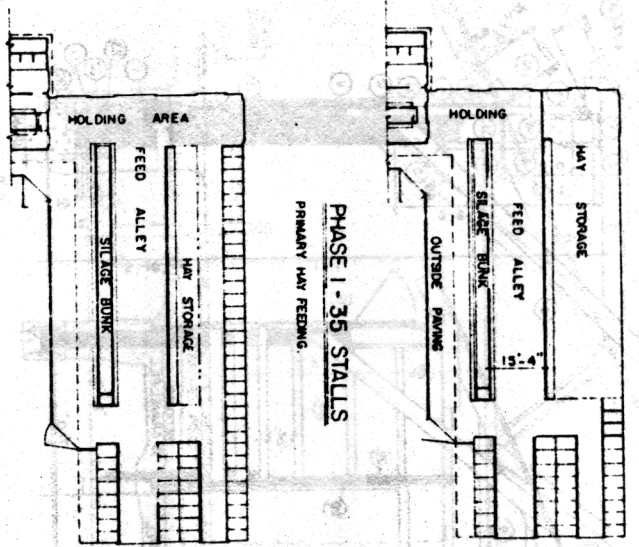
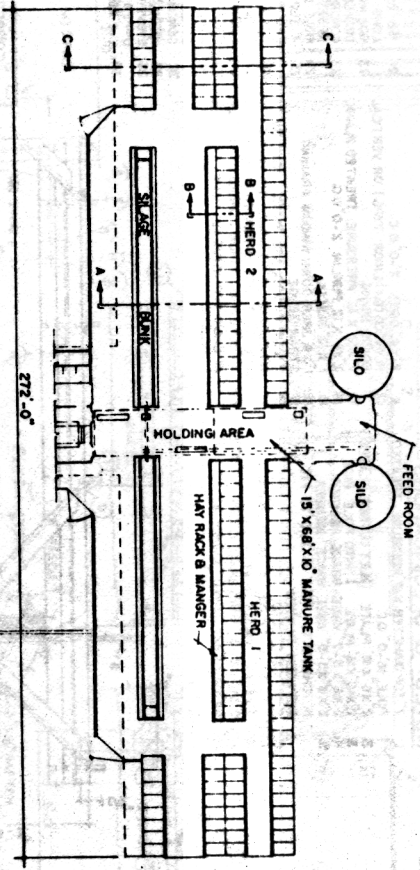


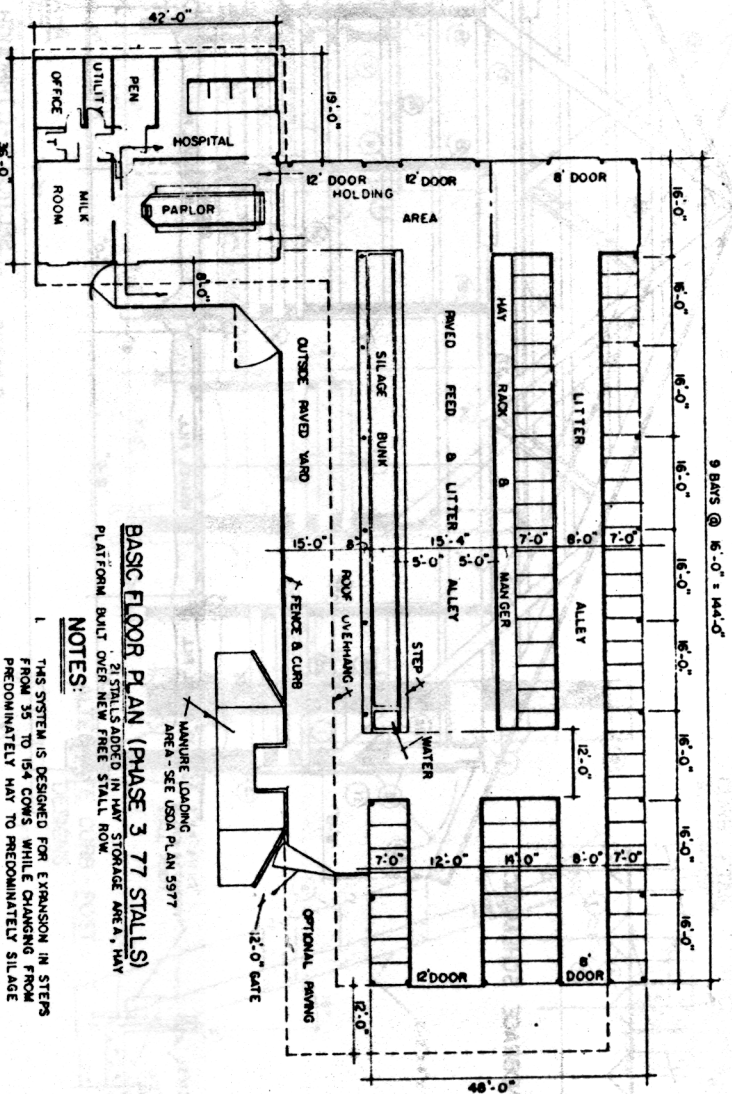
DEVELOPMENT STAGES



PHASE 2 - 56 STALLS
21 STALLS AND ALLEY ADDED IN
HAY STORAGE AREA



PHASE 4 - 154 STALLS
SYSTEM CAN BE DOUBLED IN SIZE AT ANY PHASE DOLLING
ALLOWS HERD DIVISION FEED ROOM & SILOS ADDED.



BASIC FLOOR PLAN (PHASE 3 77 STALLS)
21 STALLS ADDED IN HAY STORAGE AREA, HAY
PLATFORM BUILT OVER NEW FREE STALL ROW

- NOTES:**
- 1 THIS SYSTEM IS DESIGNED FOR EXPANSION IN STEPS FROM 35 TO 154 COWS WHILE CHANGING FROM PREDOMINATELY HAY TO PREDOMINATELY SILAGE FORMS OF FEED
 - 2 FEED ALLEY WIDTH ADEQUATE TO ALLOW FEEDING WITH SELF-UNLOADING WAGONS AND HAY TRUCKS.
 - 3 BUILDING SHOULD BE ORIENTED TO SOUTH.
 - 4 CONTINUOUS RIDGE VENTILATOR RECOMMENDED.
 - 5 ALL CONCRETE SHOULD BE AIR-ENTRAINED, 4-6% AIR BY VOLUME.

BASED ON UNIV. OF MASS. P.L. MC 4606

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

**PARTIALLY OPEN FREE STALL
HOUSING SYSTEM-35 TO 154 COWS**

MASS. '67 | EX 6023 | SHEET 1 OF 4