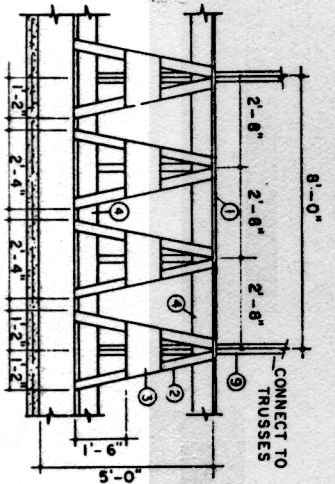


TILT-UP CONCRETE SILAGE BUNK

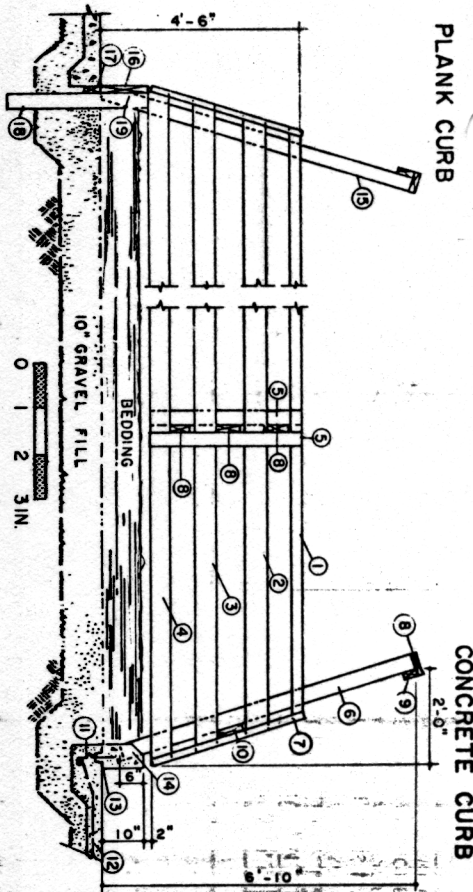


ELEVATION

CROSS SECTION

- NOTES
1. 2" x 4" x 16'-0" CAP
 2. 2" x 4" x 4'-0" HAY RACK MEMBER
 3. 1" x 1/2" x 1'-9"
 4. 2" x 6" x 16'-0"
 5. 3/8" ANCHOR BOLT 4'-0" O.C.
 6. NO. 3 RE. ROD, 1'-6" LONG, 12" O.C.
 7. 6" x 6" 10/10 REINFORCING MESH
 8. GRAVEL FILL
 9. TWO 2" x 6" x 7'-0" STALL POST

HAY RACK

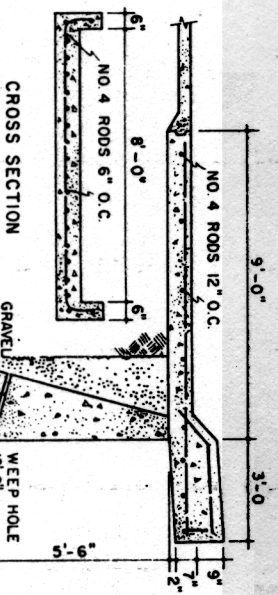


PLANK CURB

CONCRETE CURB

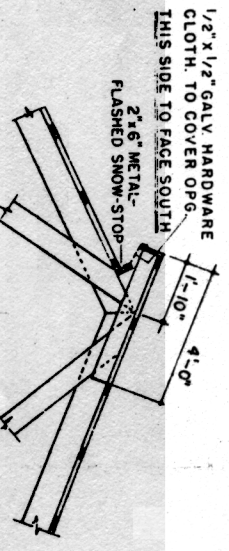
- NOTES
1. 2" x 4" x 13'-0" PARTITION PLANK
 2. 2" x 6" x 13'-8"
 3. 2" x 6" x 14'-4"
 4. 2" x 6" x 14'-8"
 5. 2" x 4" x 3'-4" BRACE
 6. 4" x 4" x 7'-0" STALL POST
 7. 2" x 2" x 3'-6" NAILER
 8. 2" x 6" x 12'-0"
 9. 2" x 4" x 12'-0"
 10. 2" x 6" x 4'-0" REST RAINER
 11. NO. 3 (3/8") REINFORCING ROD 12" O.C.
 12. 6" x 6" 10/10 WIRE REINFORCING MESH
 13. 1" x 2" KEY CAST IN ALLEY FLOOR
 14. 4" x 4" x 4" SOCKET CAST IN CURB
 15. 4" x 4" x 7'-0" STALL POST
 16. 2" x 12" PRESSURE TREATED PLANK
 17. 2" x 4"
 18. 4" DIAM. x 3'-0" R. T. POST
 19. 1/2" GALVANIZED CARRIAGE BOLTS

SLOPING POST FREE STALL

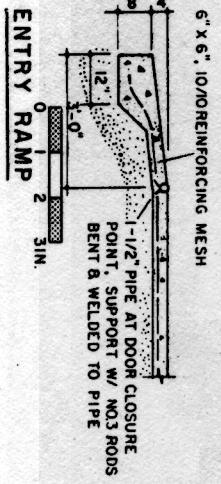


CROSS SECTION

MANURE LIP



CONTINUOUS RIDGE VENTILATOR



ENTRY RAMP

COOPERATIVE EXTENSION WORK IN
 AGRICULTURE AND HOME ECONOMICS
 DEPARTMENT OF AGRICULTURAL ENGINEERING
 UNIVERSITY OF MARYLAND
 DAIRY HOUSING EQUIPMENT
 PERMANENT TYPE
 MASS. '65 EX. 5977 SHEET 1 OF 1