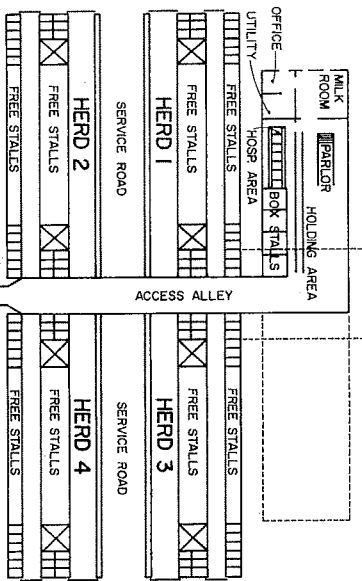
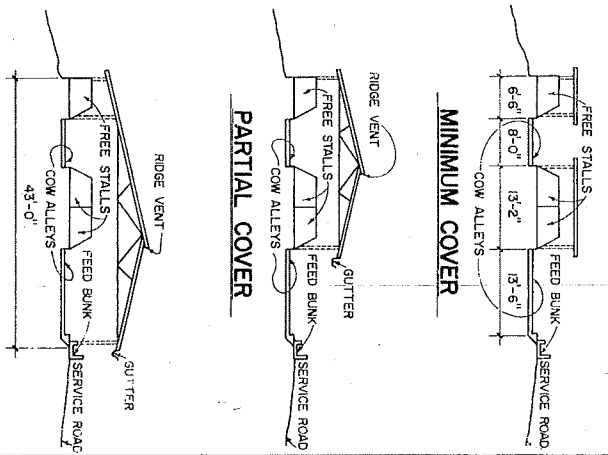


LAYOUT
SCALE: 1/8" = 1'-0" 12/01/73 JK

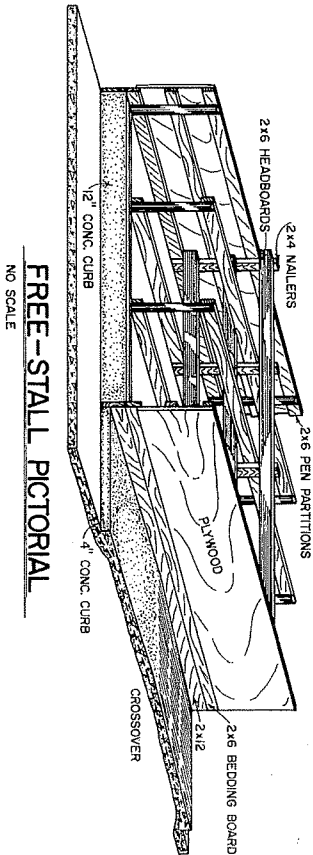
TO MANURE DISCHARGE

CROSS-SECTIONS OF ROOFING ALTERNATIVES
NO SCALE

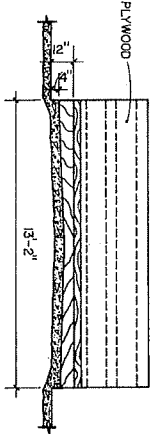


ALTERNATE LOCATIONS FOR MILKING, HOLDING, & HOSPITAL AREAS
NO SCALE

MANURE DISCHARGE TO SPREADER OR STACKING STRUCTURE, OR HOLDING TANK.



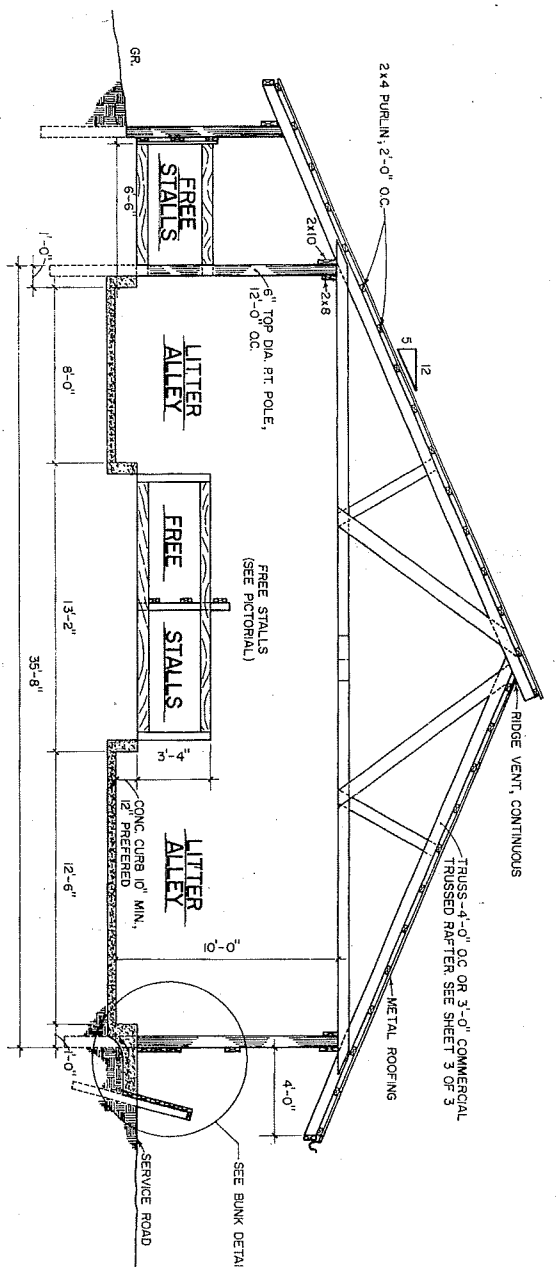
FREE-STALL PICTORIAL
NO SCALE



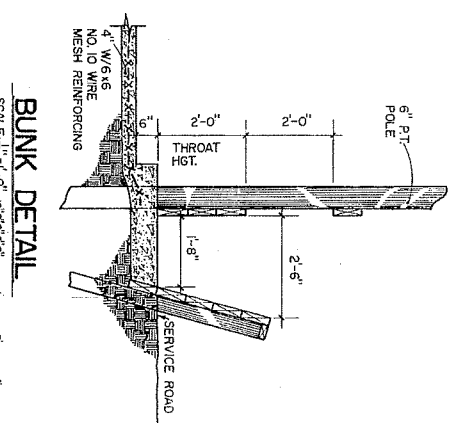
CROSSOVER SECTION
SCALE: 1/2" = 1'-0" 12/01/73 JK

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FREESTALL HOUSING FACILITY--HIGH DENSITY--			
VA.	78	6313	SHEET 1 OF 3

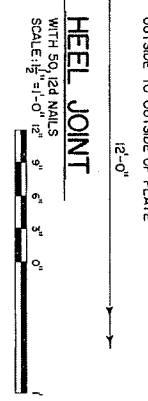
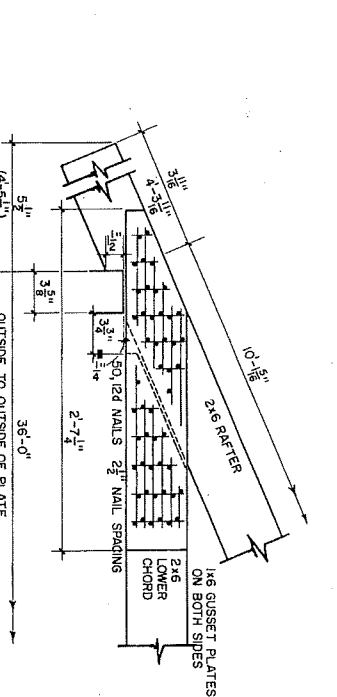
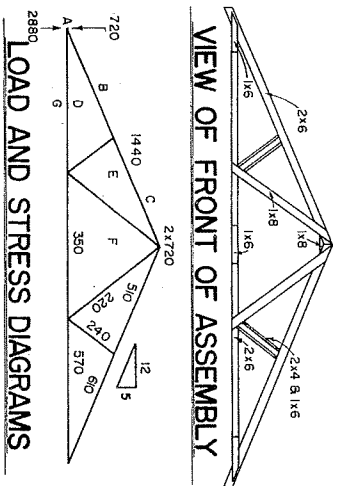
BASED ON: VIRGINIA POLYTECH & STATE UNIVERSITY PLAN NO'S B-750 & 133



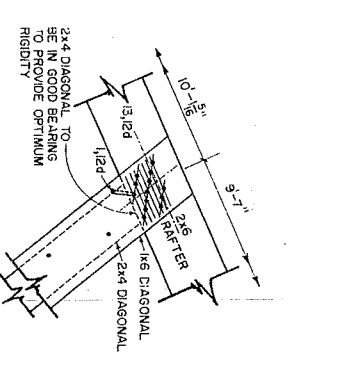
CROSS-SECTION
SCALE: $\frac{1}{4}$ "=1'-0"



BUNK DETAIL
SCALE: $\frac{1}{2}$ "=1'-0"



HEEL JOINT
SCALE: $\frac{1}{2}$ "=1'-0"



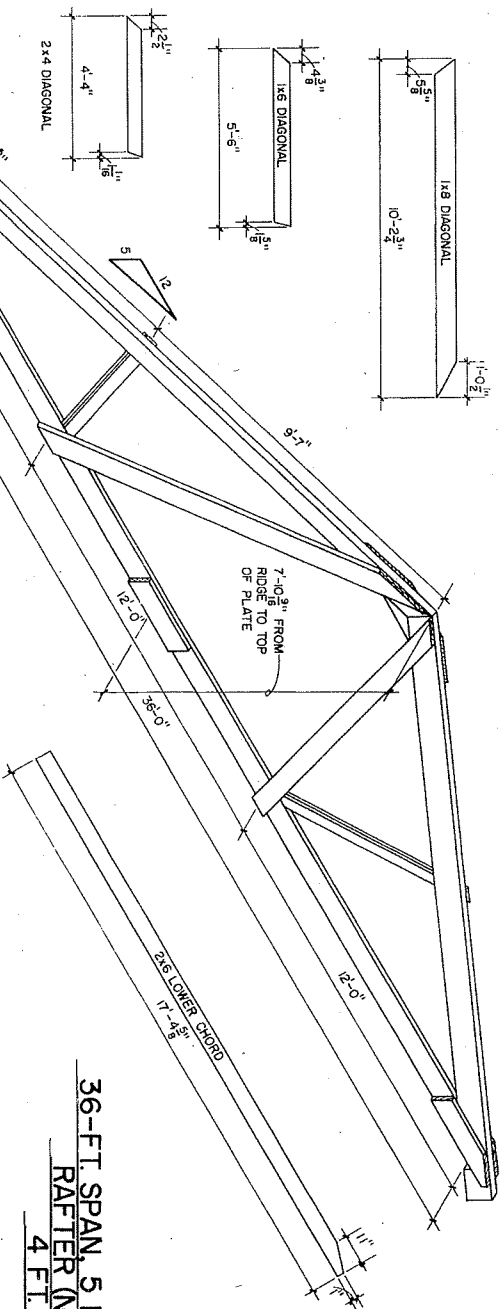
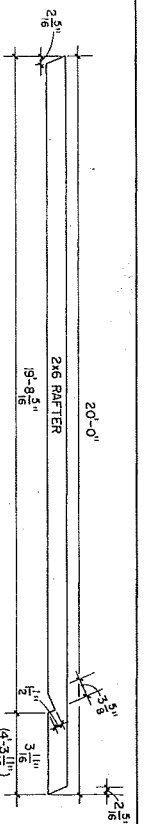
RAFTER-DIAGONAL JOINT
SCALE: $\frac{1}{2}$ "=1'-0"

DEAD LOAD & LIVE LOAD ON ROOF: 40 LB./SQ. FT.
TRUSS RAFTERS SPACED 4'-0" O.C.
LUMBER NOT SOUTHERN PINE OR DOUGLAS FIR
C=1350 PSI COMPRESSION PARALLEL TO GRAIN
E=1,750,000 PSI MODULUS OF ELASTICITY
CAMBER $\frac{3}{8}$ " AT CENTER SPALICE

- NOTES:**
- 1) USE METALLICALLY TREATED SCREWDRIVE OR GALVANNEAL NAILS
 - 2) USE HARDENED NAILS IN DRY SOUTHERN PINE. THOSE SHOWN AS (O).
 - 3) DRIVE ALL NAILS FROM FRONT EXCEPT THOSE SHOWN AS (O).
 - 4) USE TEMPLATES FOR LOCATING ALL NAILS FOR MAXIMUM EFFICIENCY AND EFFECTIVENESS.

SCALE: NO SCALE, UNLESS OTHERWISE NOTED

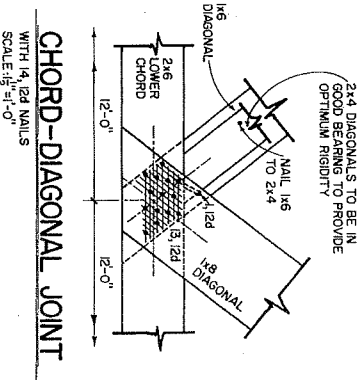
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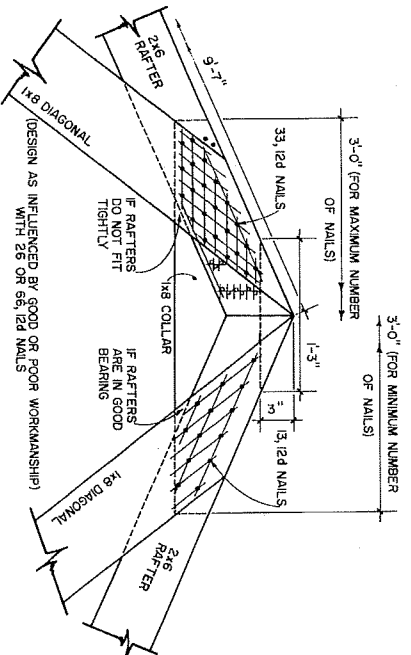
FRONT VIEW OF ASSEMBLY
NO SCALE

**36-FT. SPAN, 5 IN 12 PITCH, NAILED TRUSSED
RAFTER (NO CEILING) SPACED
4 FT. ON CENTER**

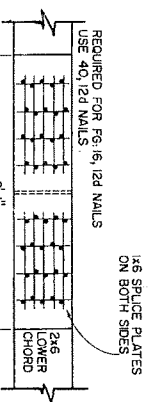
BILL OF MATERIALS	
RAFTERS	2 PCS. 2x6x20'-0" (24'-0")
LOWER CHORD	2 PCS. 2x6x17'-4 1/8"
DIAGONALS	2 PCS. 2x4x4'-4"
	2 PCS. 1x6x5'-6"
SPLICERS	2 PCS. 1x8x10'-2 3/4"
GUSSETS	4 PCS. 1x6x2'-1 1/2"
	1 PCS. 1x8x3'-0"
NAILS (SCREWTITE)	230-270 PCS. 12d
OR	
NAILS (SCREWTITE)	230-270 PCS. 12d
HARDENED	3 3/4" x 0.135" (37 LBS.)
	3 3/4" x 0.148" (44 LBS.)



CHORD-DIAGONAL JOINT
WITH 14, 12d NAILS
SCALE: 1/2" = 1'-0"



RIDGE JOINT
SCALE: 1/2" = 1'-0"



CENTER-SPLICE JOINT
WITH 40, 12d NAILS
SCALE: 1/2" = 1'-0"

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