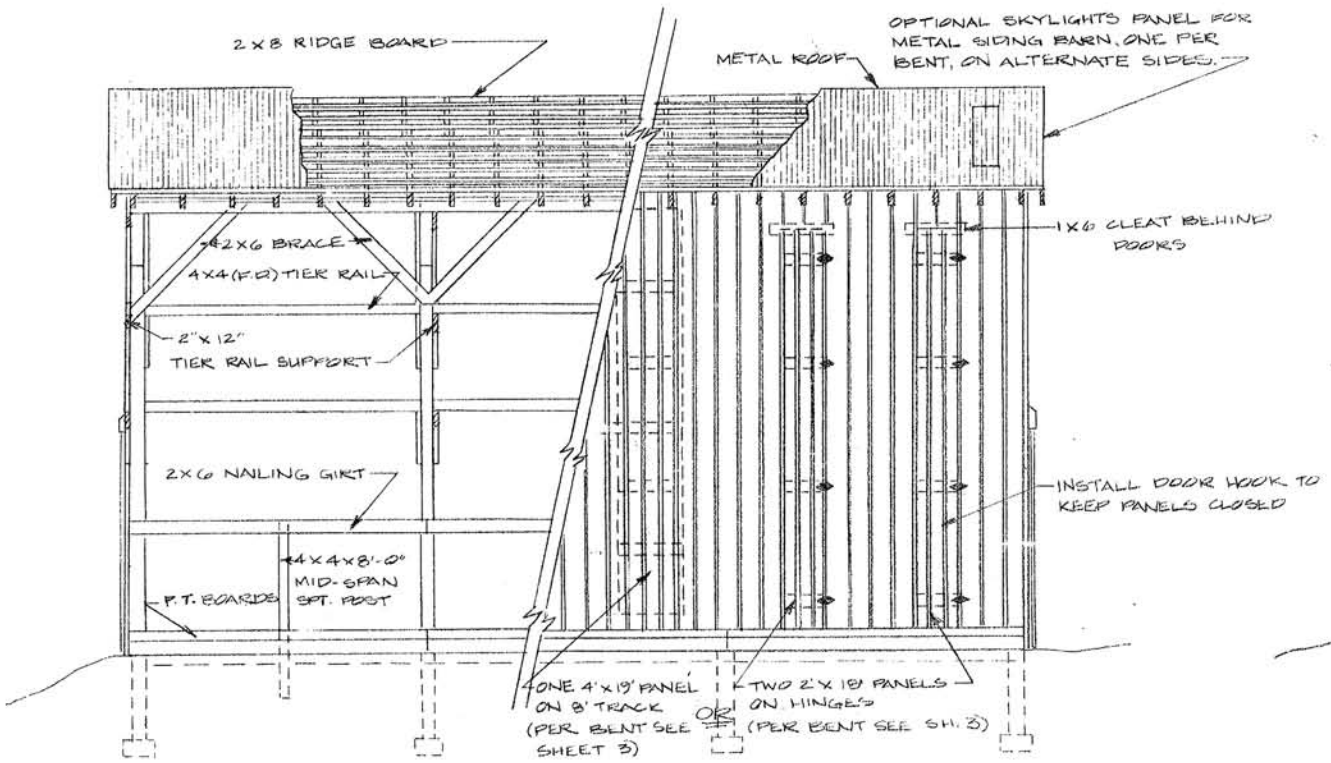
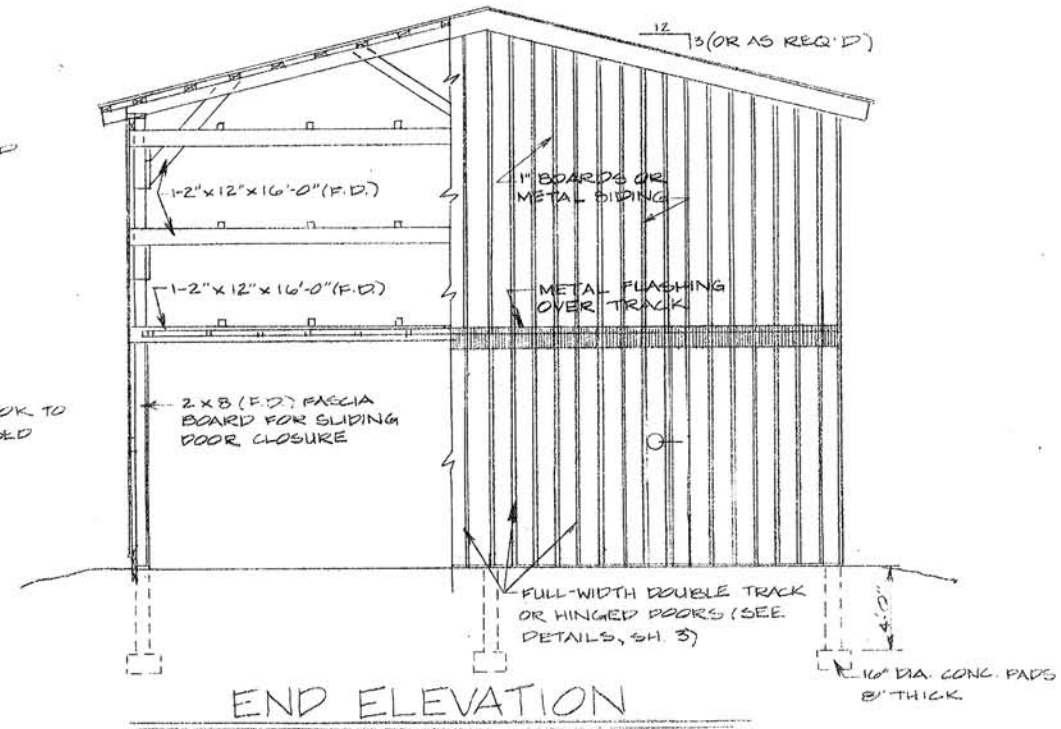


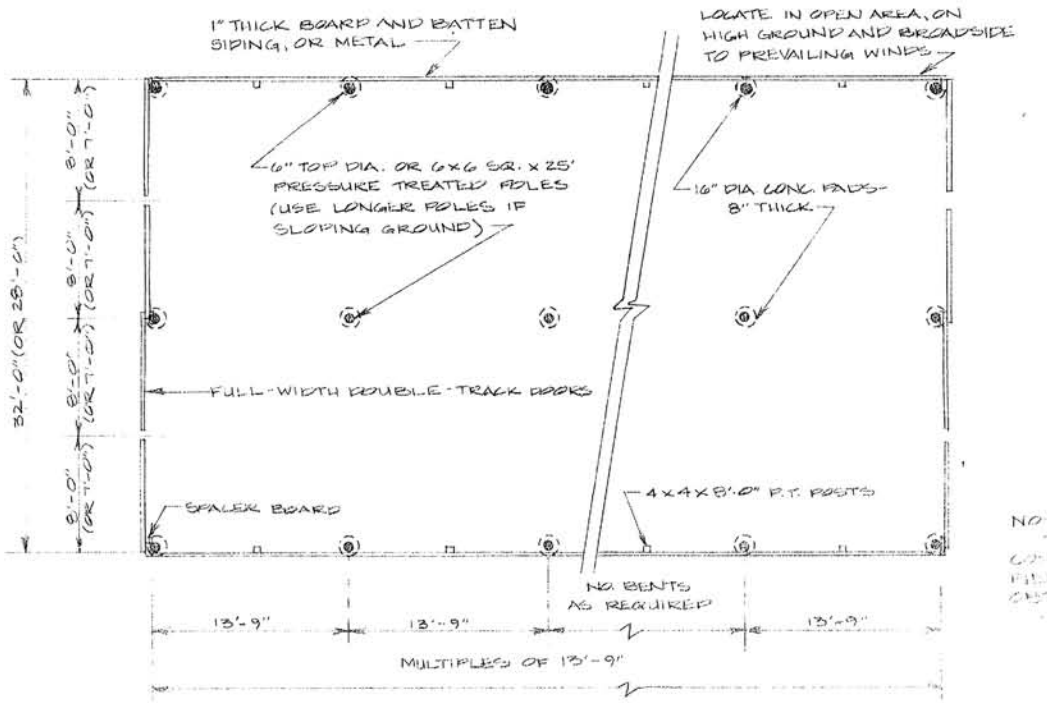
SIDE ELEVATION SCALE: 3/16" = 1'-0"

SHOWING ALTERNATE VENTILATOR PANELS



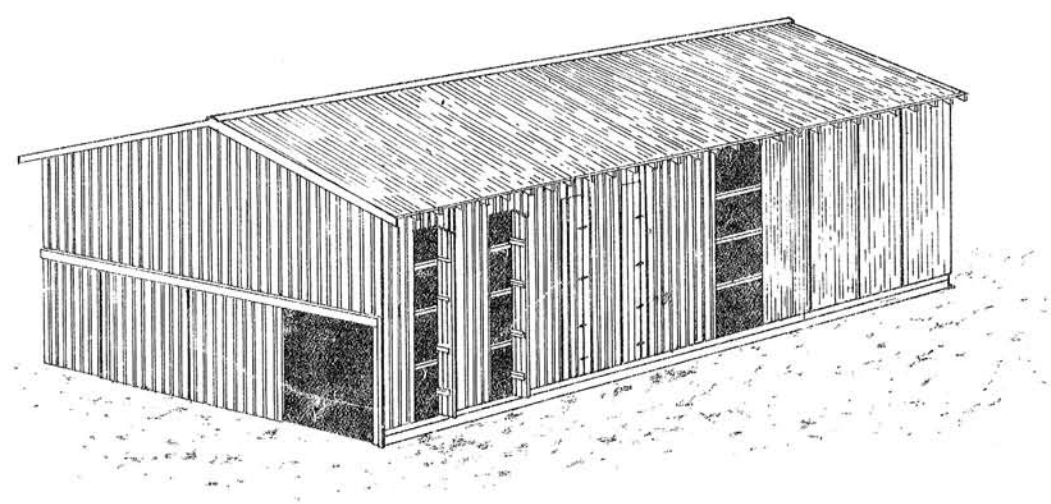
END ELEVATION

SCALE: 3/16" = 1'-0"



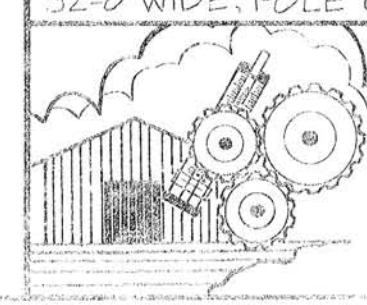
FLOOR PLAN

SCALE: 1/8" = 1'-0"



NOTE:
THIS PLAN [illegible] POLE TYPE CONSTRUCTION IF POST-CONCRETE PIER TYPE CONSTRUCTION DESIRED, OBTAIN PLAN [illegible]-26A.

3-TIER AIR-CURE BURLEY BARN 28'-0" OR 32'-0" WIDE, POLE CONSTRUCTION



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U.S. DEPARTMENT OF AGRICULTURE COOPERATING

DESIGNED BY: G. A. DUNCAN	SHEET 1 OF 3
CHECKED BY: G. A. DUNCAN	PLAN NUMBER
DRAWN BY: [illegible]	KY. II. 735-26A
DATE: 8/71	
REVISIONS: 1/82 [illegible]	

ALTERNATE RAFTER / PURLIN SIZES

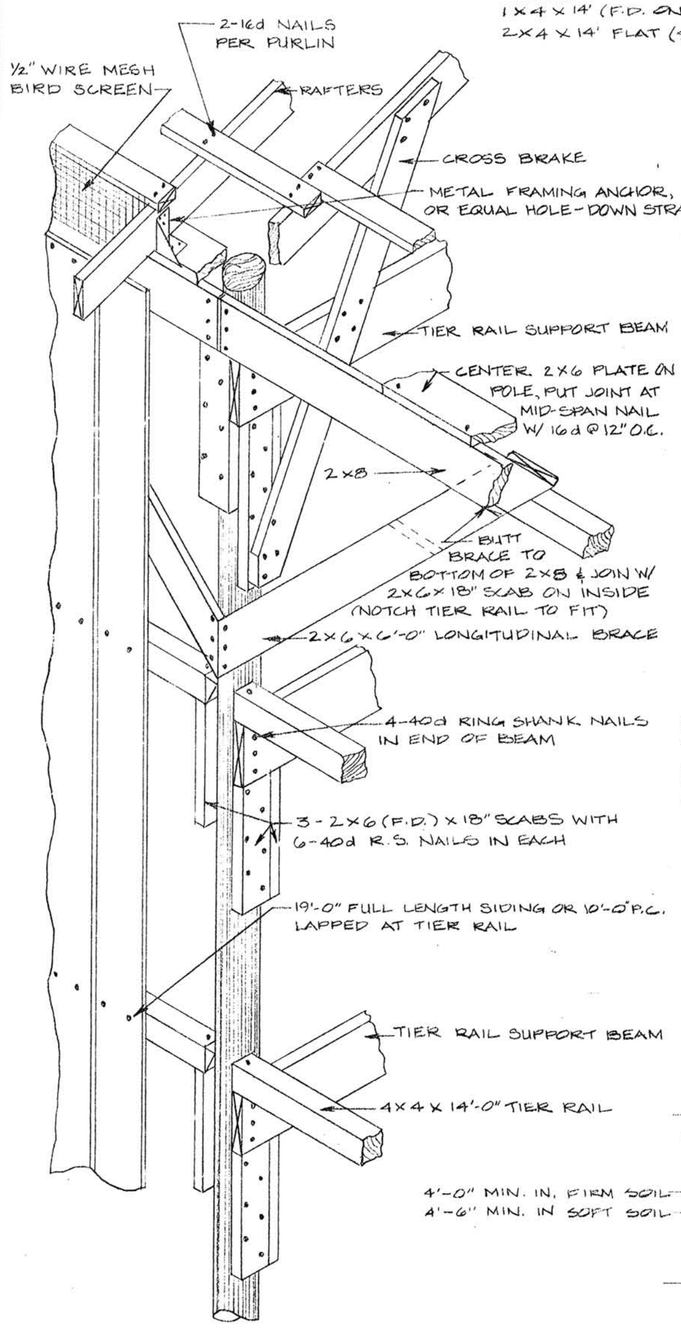
RAFTERS: USE

2 X 6 X 18'-0"	@ 2'-0" O.C.
2 X 8 X 18'-0"	@ 3 1/2' TO 4'-0" O.C.
2 X 6 X 16'-0"	@ 2'-0" O.C.
2 X 8 X 16'-0"	@ 3 1/2' TO 4'-0" O.C.

PURLINS: USE

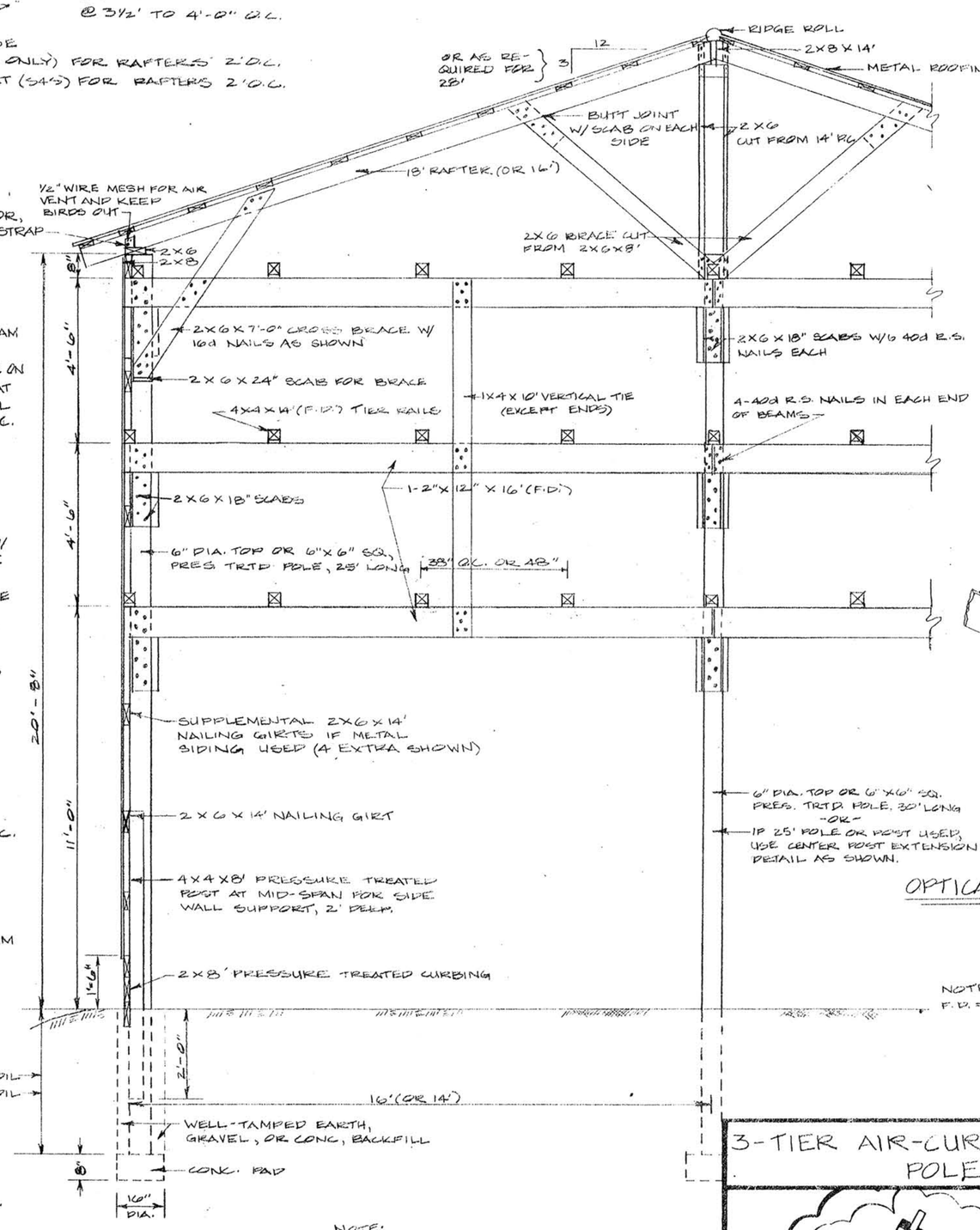
1 X 4 X 14' (F.D. ONLY) FOR RAFTERS 2' O.C.

2 X 4 X 14' FLAT (S4S) FOR RAFTERS 2' O.C.



SIDEWALL DETAIL AT POLE

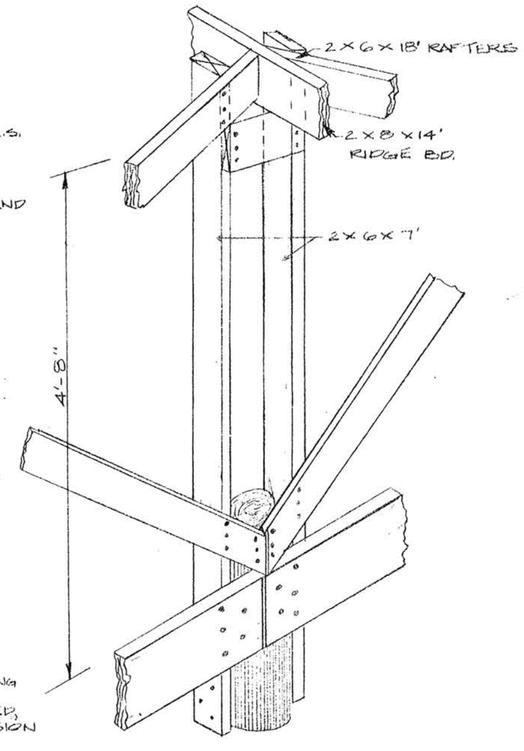
NO SCALE



NOTE:
FOR OPTIONAL 28'-0" WIDE PLAN (2-14' DRIVEWAYS), USE 16' RAFTERS, 2 X 10 X 14' TIER RAIL SUPPORT BEAMS, AND ADJUST OTHER MATERIALS ACCORDINGLY.

CROSS SECTION

SCALE: 3/8" = 1'-0"

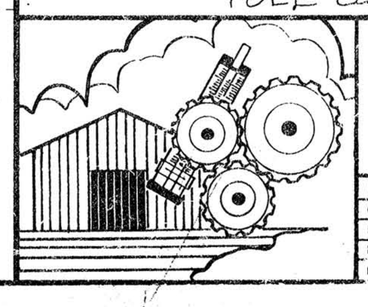


OPTICAL POLE EXTENSION DETAIL

NO SCALE

NOTE:
F.D. = FULL DIMENSION SIZE MEMBERS

3-TIER AIR-CURE BURLEY BARN 32' WIDE, POLE CONSTRUCTION



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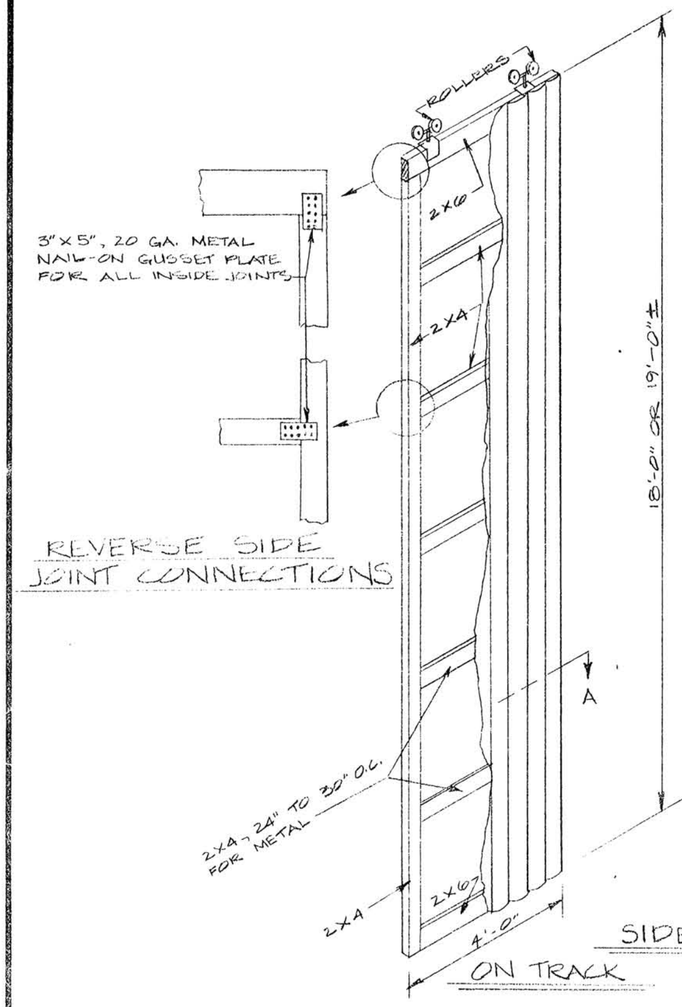
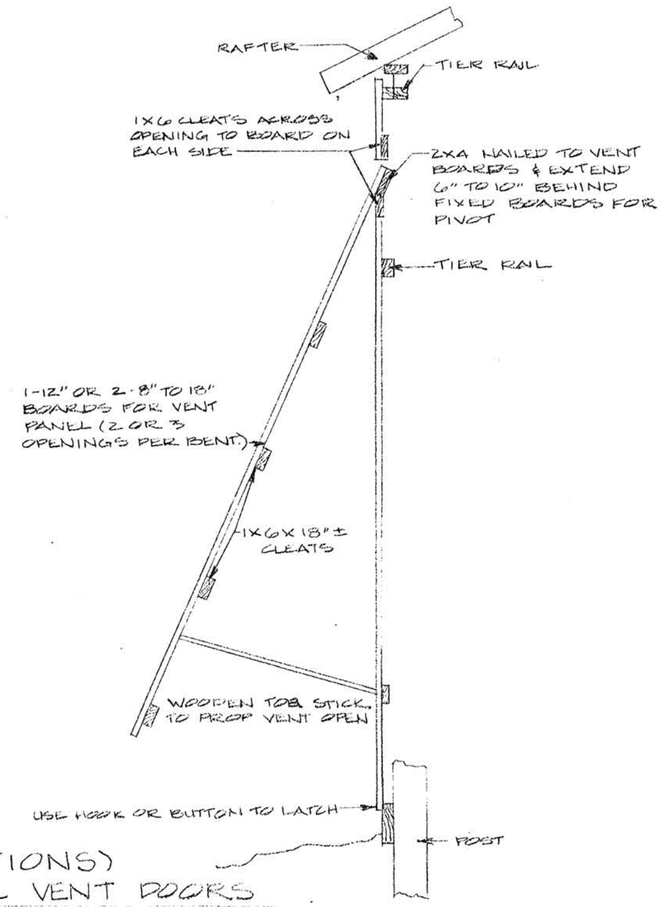
DESIGNED BY: G. A. DUNCAN	SHEET 2 OF 3
CHECKED BY: G. A. DUNCAN	PLAN NUMBER
DRAWN BY: S. ELLIOTT	KY. II. 735-28A
DATE: 8/71	
REVISIONS: 1/82 11/85	





MATERIALS AND CONSTRUCTION NOTES

1. USE GOOD QUALITY FULL DIMENSION (F.D.) ROUGH SAWN LUMBER, OR DRESSED (S4S) LUMBER OF STANDARD GRADE DOUGLAS FIR, NO. 2 SOUTHERN YELLOW PINE, EQUIVALENT OR BETTER, OF THE SIZES SPECIFIED ON THE PLANS.

2. USE RING SHANK OR SCREW SHANK POLE BARN NAILS FOR SUPERIOR HOLDING STRENGTH, ESPECIALLY FOR ALL CONNECTIONS TO PRES. TRTD. POLES AND ALL SOFTWOOD LUMBER NAILING. USE 40d (5") FOR FRAMING-TO-PRES. TRT'D. POLE JOINTS, USE 12d OR 16d FOR ALL DRESSED (S4S) LUMBER FRAMING, OR 16d (3 1/2") FOR ROUGH LUMBER FRAMING.

3. USE RING SHANK OR SCREW SHANK ROOFING NAILS WITH NEOPRENE WASHER OR LEAD-UNDER-HEAD PER MFGRS. SPECS. FOR ALL METAL ROOFING OR SIDING ATTACHMENT.

4. USE HEAVY-DUTY DOUBLE-TRACK WITH ADEQUATE HANGERS, ROLLERS, ETC., FOR ENTRANCE DOORS.

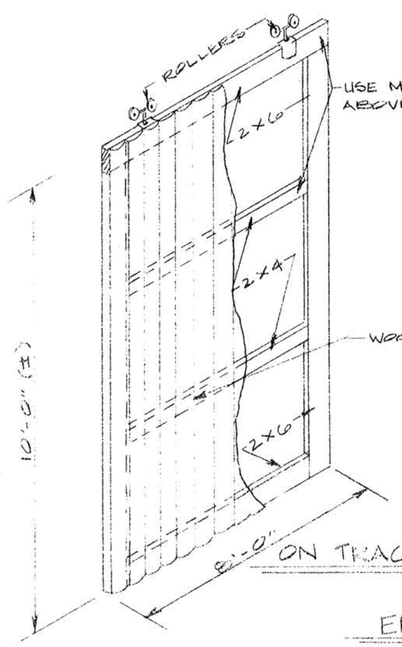
5. PRESERVATIVE TREATED POLES, POSTS, AND CURBING BOARDS SHALL BE CREOSOTE, PENTA, OR OSMOSE K-33 TREATED TO RETENTION RATE SPECIFIED BY A.W.P.A. FOR GROUND CONTACT USE.

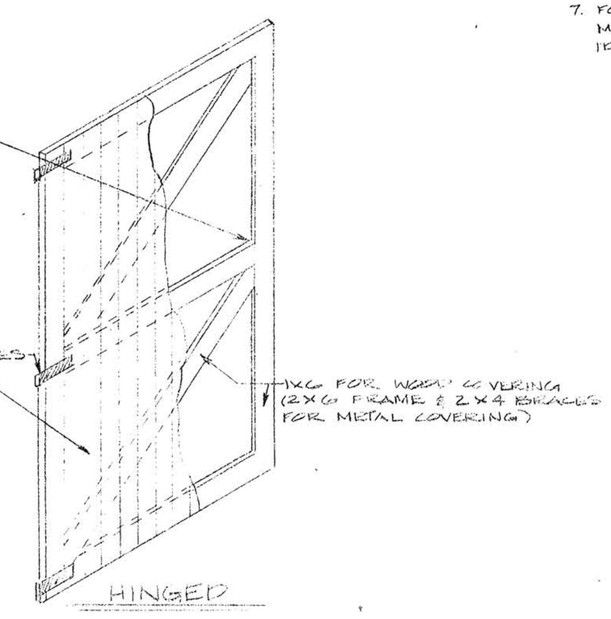
6. BARN CAPACITY: (ACRES PER 13'-9" BENT)

			6 PLANTS/STICK				5 PLANTS/STICK			
STICK SPACING:			10"	9"	8"	7"	9"	8"	7"	6"
STICKS PER RAIL:			17	19	21	24	19	21	24	28
PLANTS/ACRE	10,000	* 30	.31	.34	.38	.43	.28	.31	.36	.42
		24	.24	.27	.30	.34	.23	.25	.29	.34
	9,250	* 30	.33	.37	.41	.47	.31	.34	.39	.45
		24	.26	.29	.33	.37	.24	.27	.31	.36
	8,500	* 30	.36	.40	.44	.51	.33	.37	.42	.49
		24	.29	.32	.35	.40	.27	.30	.34	.39

* TIER SPACES PER BENT, 30 FOR 38" O-C SPACING, 24 FOR 48" O.C. SPACING.

7. FOR FURTHER INFORMATION ON TOBACCO BARN TYPES AND NEW METHODS OF HARVESTING AND HOUSING TOBACCO, SEE PUBLICATION, ID-45 "TOBACCO HANDBOOK" AND OTHER AVAILABLE LITERATURE.

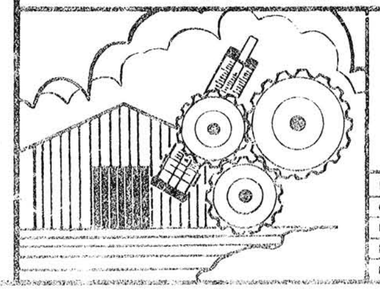




END ENTRANCE DOORS

NO SCALE

3-TIER AIR-CURE BURLEY BARN 32' WIDE, POLE CONSTRUCTION



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DESIGNED BY: G. A. DUNCAN
CHECKED BY: G. A. DUNCAN
DRAWN BY: [illegible]
DATE: AUG. 71
REVISIONS: [illegible]

SHEET 3 OF 3

PLAN NUMBER

KY. II. 735-29A