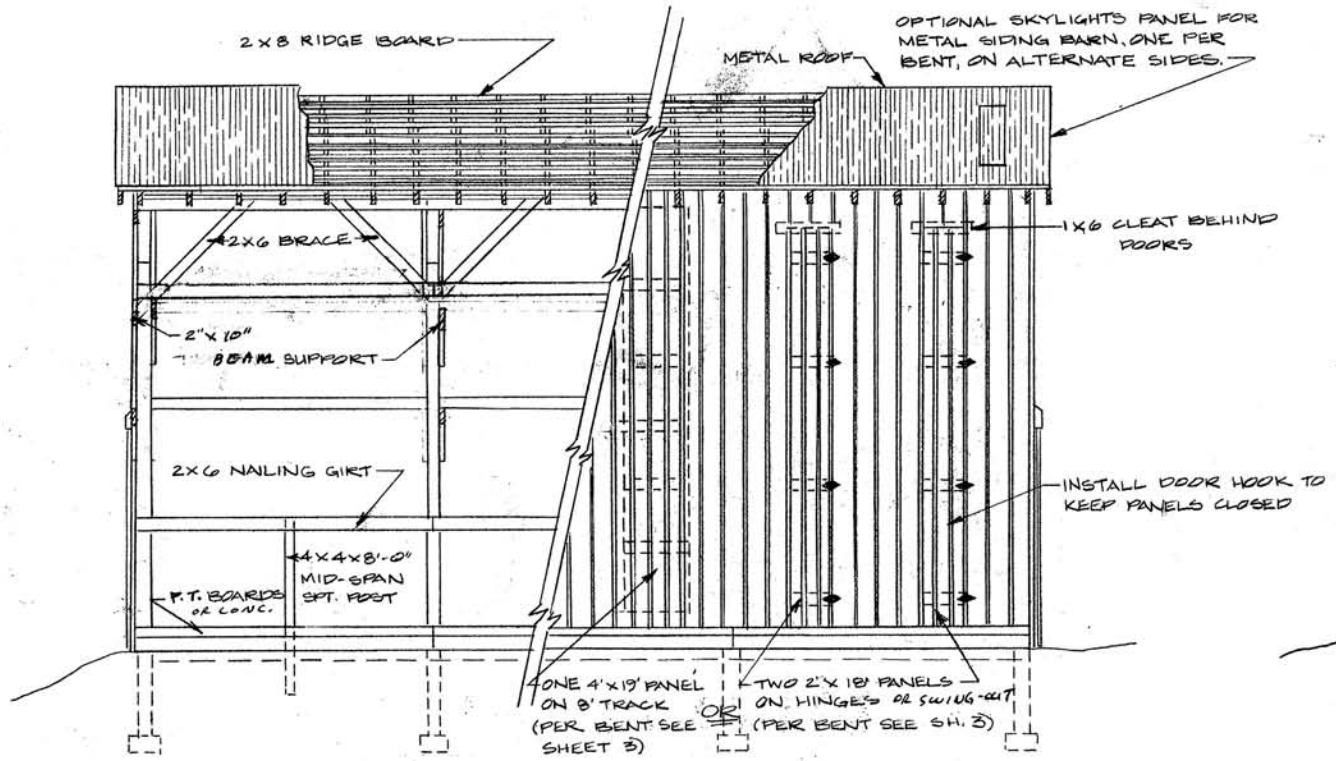
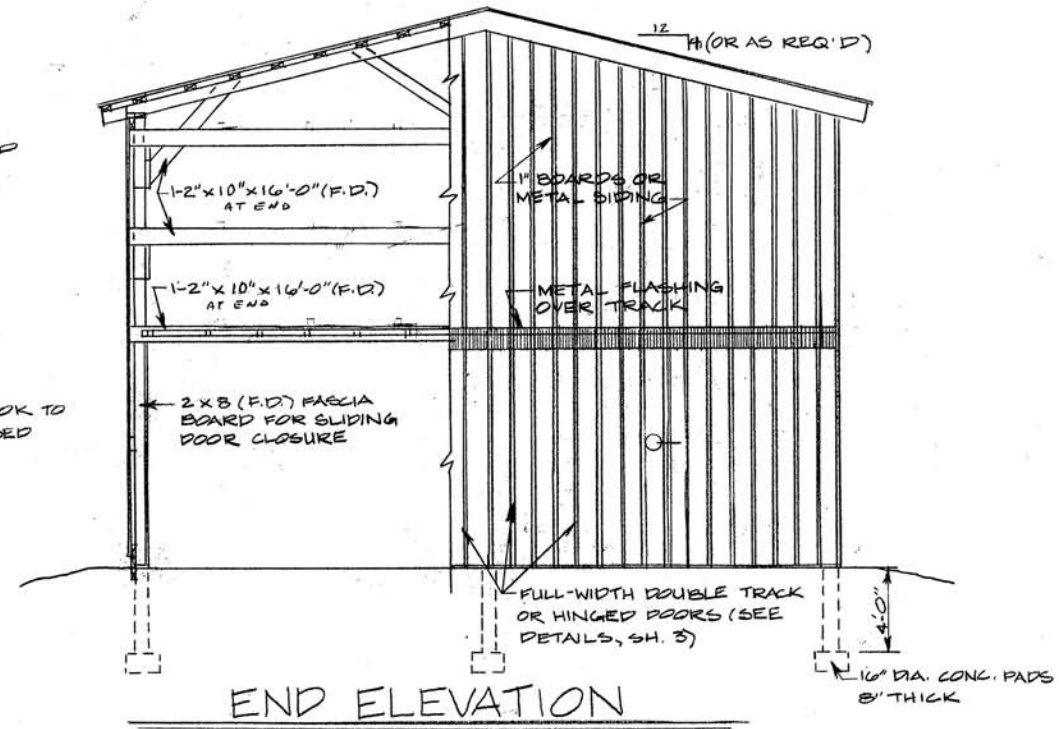


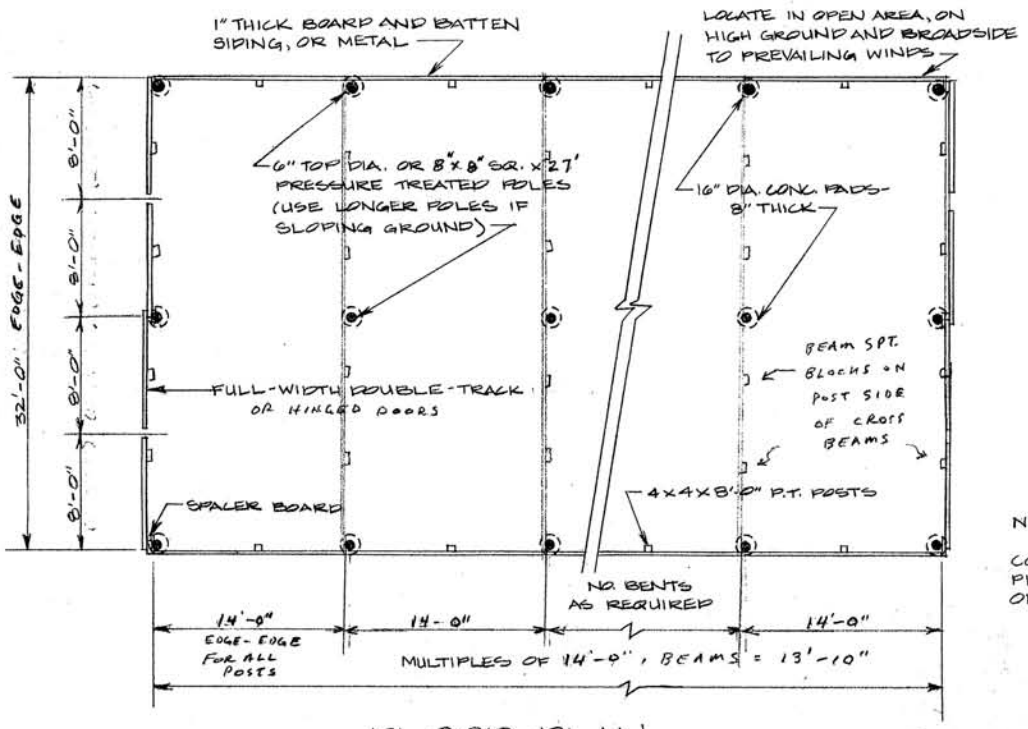
SIDE ELEVATION SCALE: 3/16" = 1'-0"

SHOWING ALTERNATE VENTILATOR PANELS



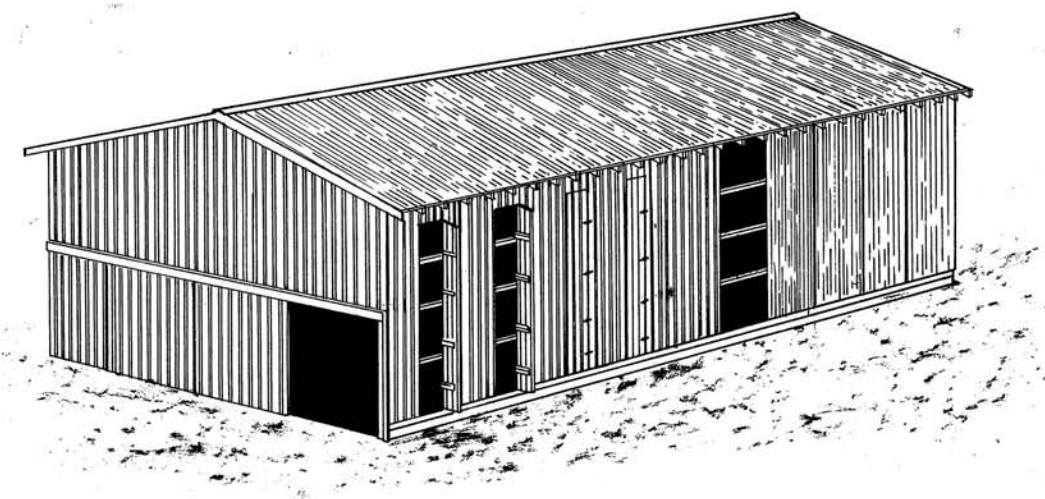
END ELEVATION

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



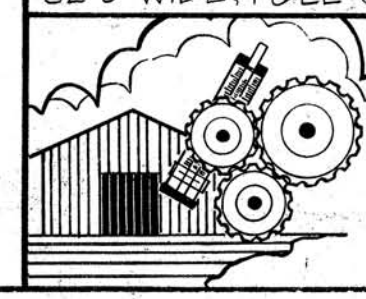
FLOOR PLAN

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



NOTE:
THIS PLAN SHOWS POLE-TYPE CONSTRUCTION IF POST-CONCRETE PIER TYPE CONSTRUCTION DESIRED, OBTAIN PLAN 735-26G.

3-TIER AIR-CURE BURLEY BARN
32'-0" WIDE, POLE CONST. FOR CABLE HOIST



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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: S. ELLIOTT	KY. II. 735-28C
DATE: 8/71	
REVISIONS: 1/82 9/85	

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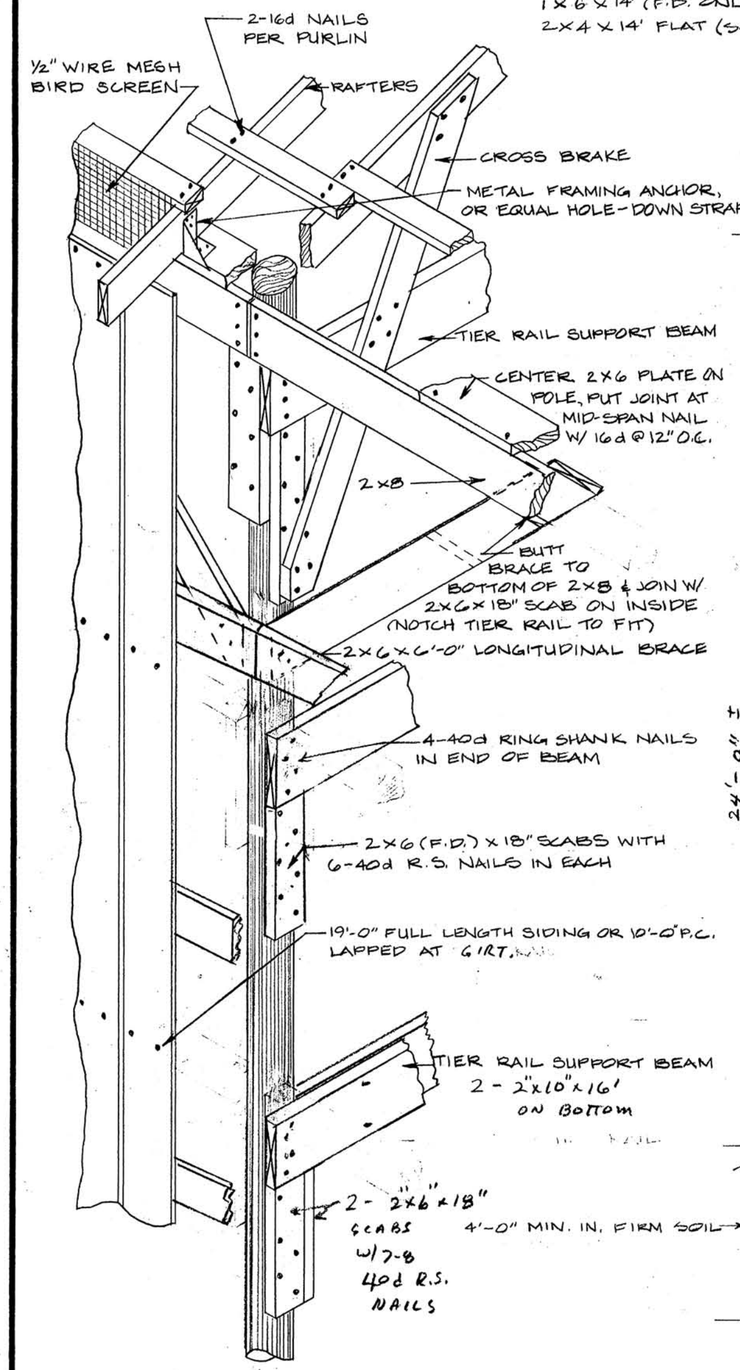
RAFTER / PURLIN SIZES

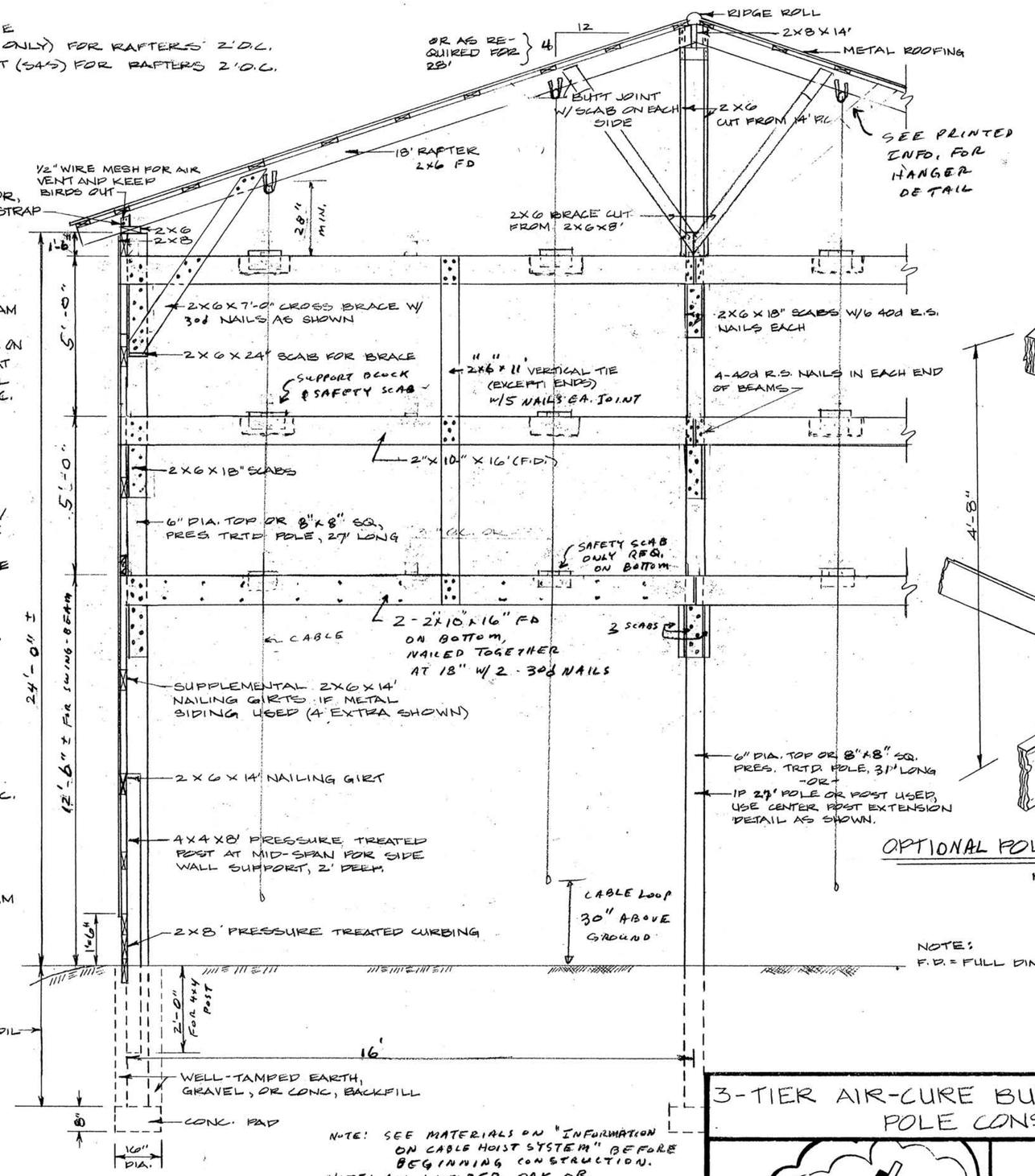
RAFTERS: USE
2 X 6 X 18'-0" @ 2'-0" O.C.

PURLINS: USE
1 X 6 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

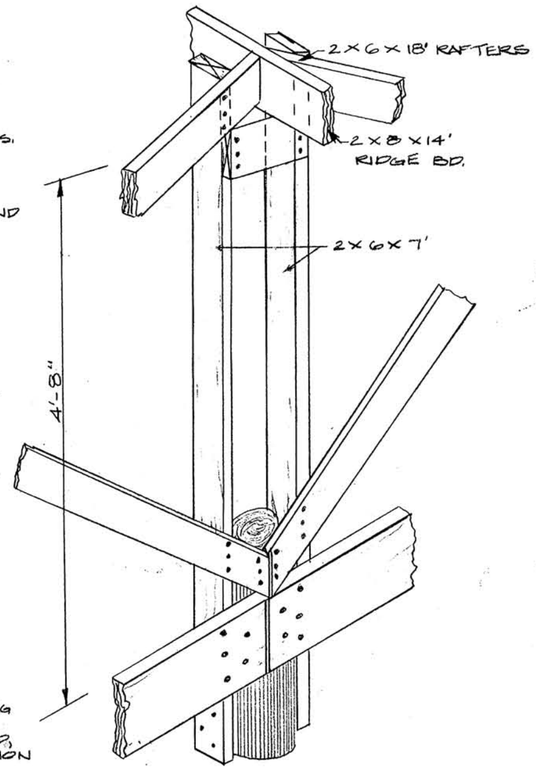


NOTE: SEE MATERIALS ON "INFORMATION ON CABLE HOIST SYSTEM" BEFORE BEGINNING CONSTRUCTION.

NOTE: ALL LUMBER OAK OR YEL. PINE, FULL DIMENSION, FREE OF KNOTS, OF EQUAL.

CROSS SECTION

NO SCALE

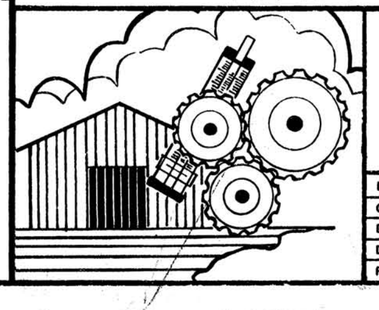


OPTIONAL POLE EXTENSION DETAIL

NO SCALE

NOTE:
F.D. = FULL DIMENSION SIZE MEMBERS

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



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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. 735-28C
DATE: 8/71	
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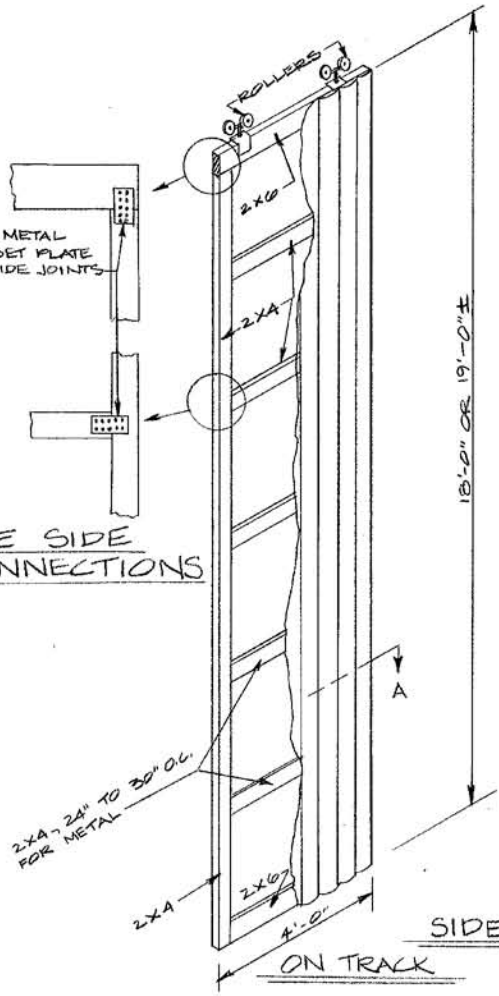
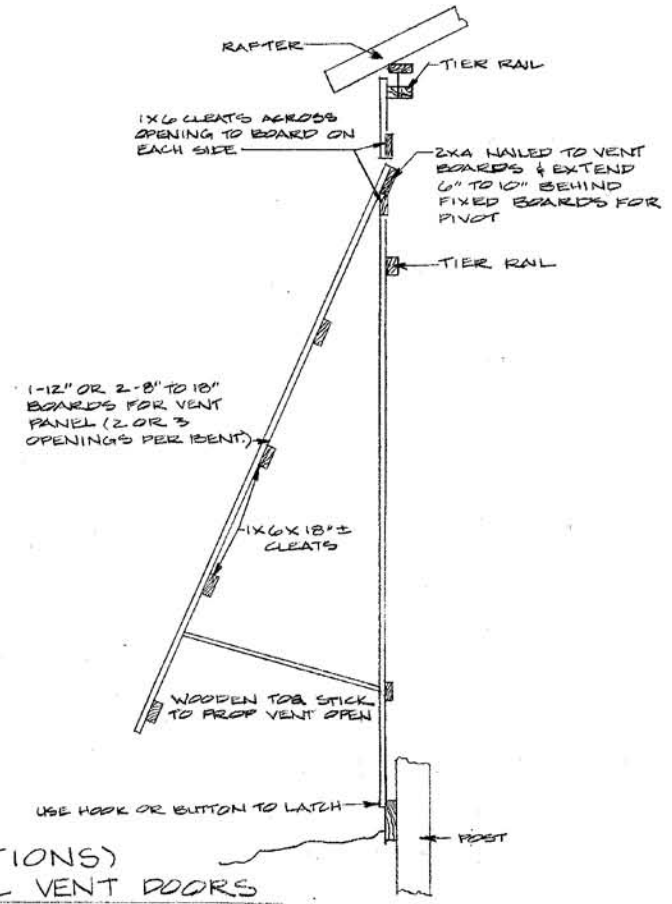
REV 1-92



REVERSE SIDE JOINT CONNECTIONS

ON TRACK



(OPTIONS)
SIDEWALL VENT DOORS

HINGED

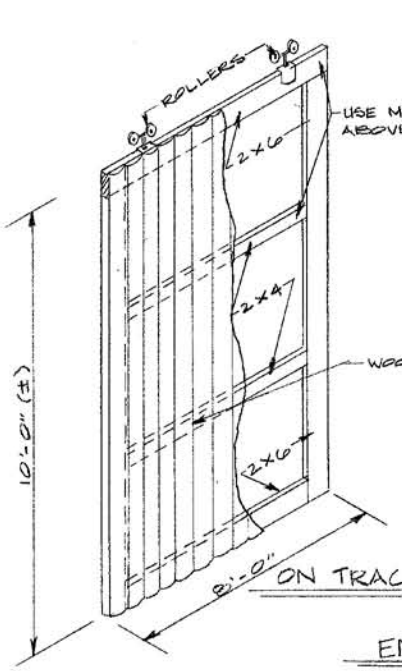
MATERIALS AND CONSTRUCTION NOTES

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. TRT'D. 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 14'-0" BENT, 16 BEAMS/BENT)

		6 PLANTS/STICK	
STICK SPACING:		7"	6.5"
STICKS PER BEAM		42	45
PLANTS/ACRE	8,000 AC	.50	.54
	8,000 LBS	1250	1350
	7,500 AC	.54	.58
	7,500 LBS	1350	1450
	7,000 AC	.58	.62
	7,000 LBS	1450	1550

LBS BASED ON 2500 #/AC AT PLANT POPULATIONS SHOWN.

7. FOR FURTHER INFORMATION ON TOBACCO BARN TYPES AND NEW METHODS OF HARVESTING AND HOUSING TOBACCO. SEE PUBLICATIONS "TOBACCO HANDBOOK" AND OTHER AVAILABLE LITERATURE.

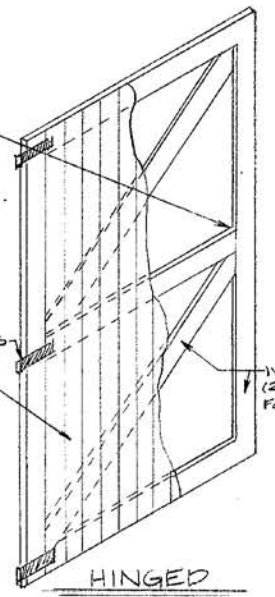


ON TRACK

USE METAL GUSSET PLATE AS ABOVE FOR ALL INSIDE JOINTS

USE DOOR LATCHES AS DESIRED

WOOD OR METAL COVERING



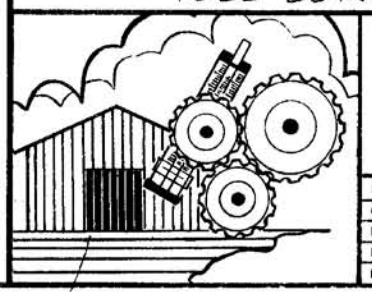
1X6 FOR WOOD COVERING (2X6 FRAME & 2X4 BRACES FOR METAL COVERING)

HINGED

END ENTRANCE DOORS

NO SCALE

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



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DESIGNED BY: G. A. DUNCAN	SHEET 3 OF 3
CHECKED BY: G. A. DUNCAN	PLAN NUMBER
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DATE: AUG. 71	
REVISIONS: 1-82, 11-85	

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