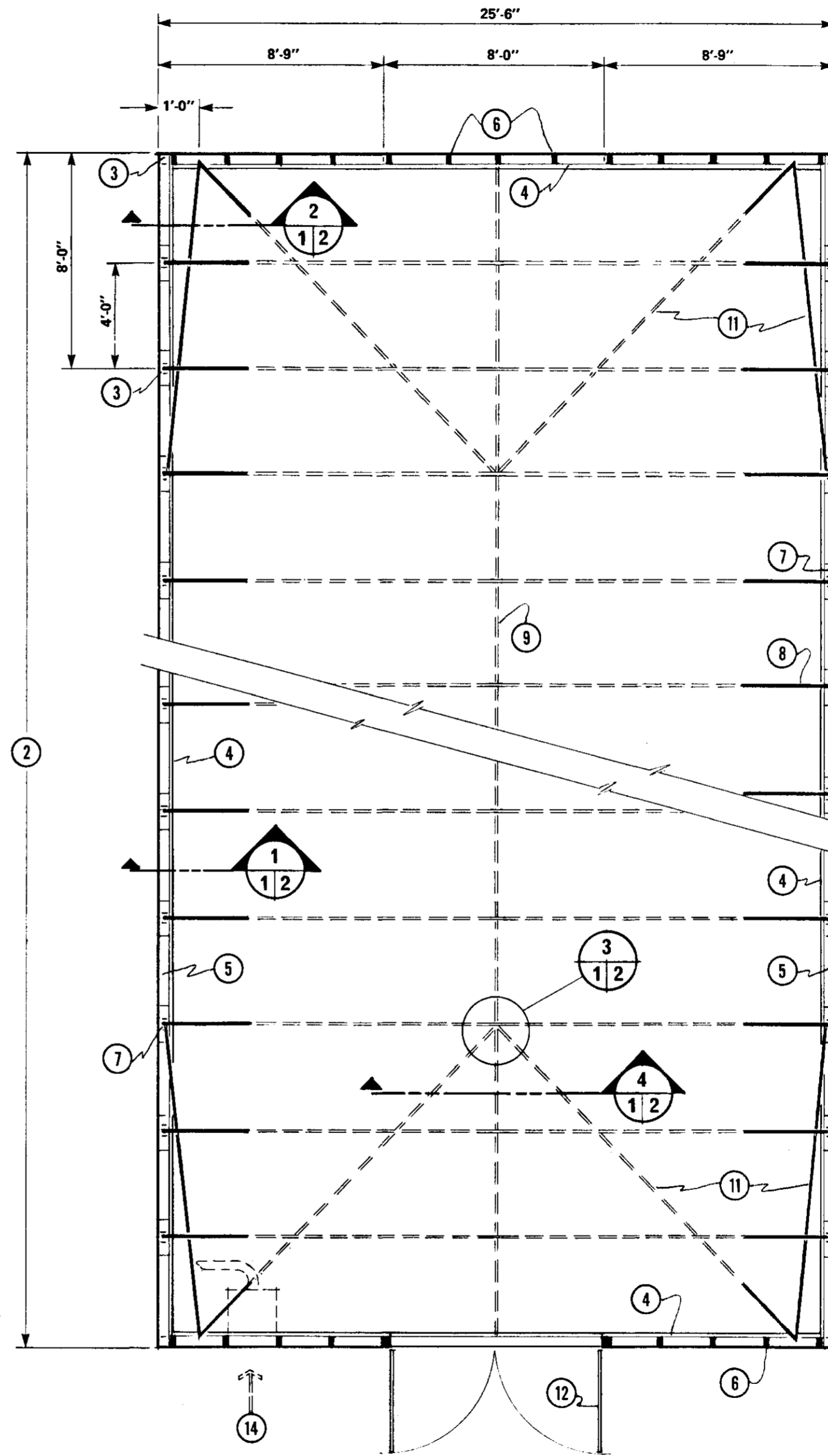


1



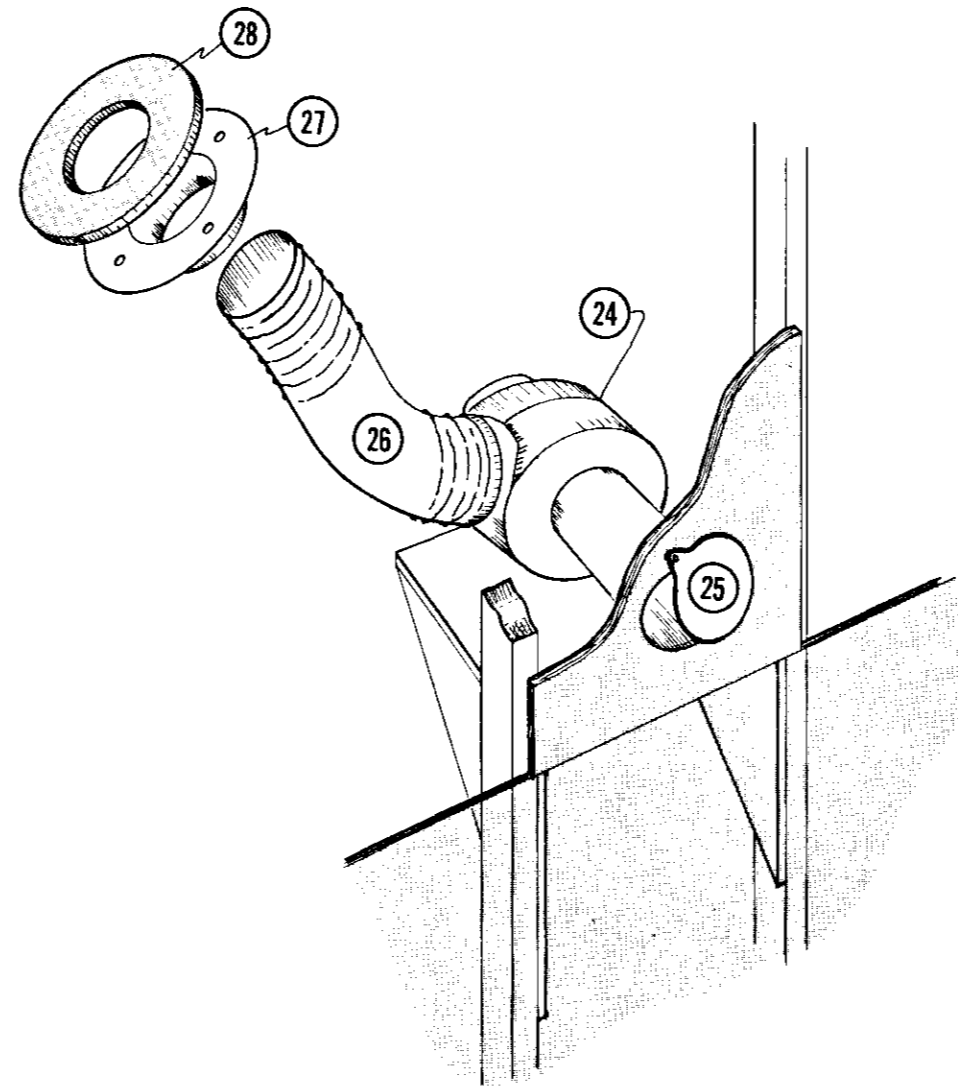
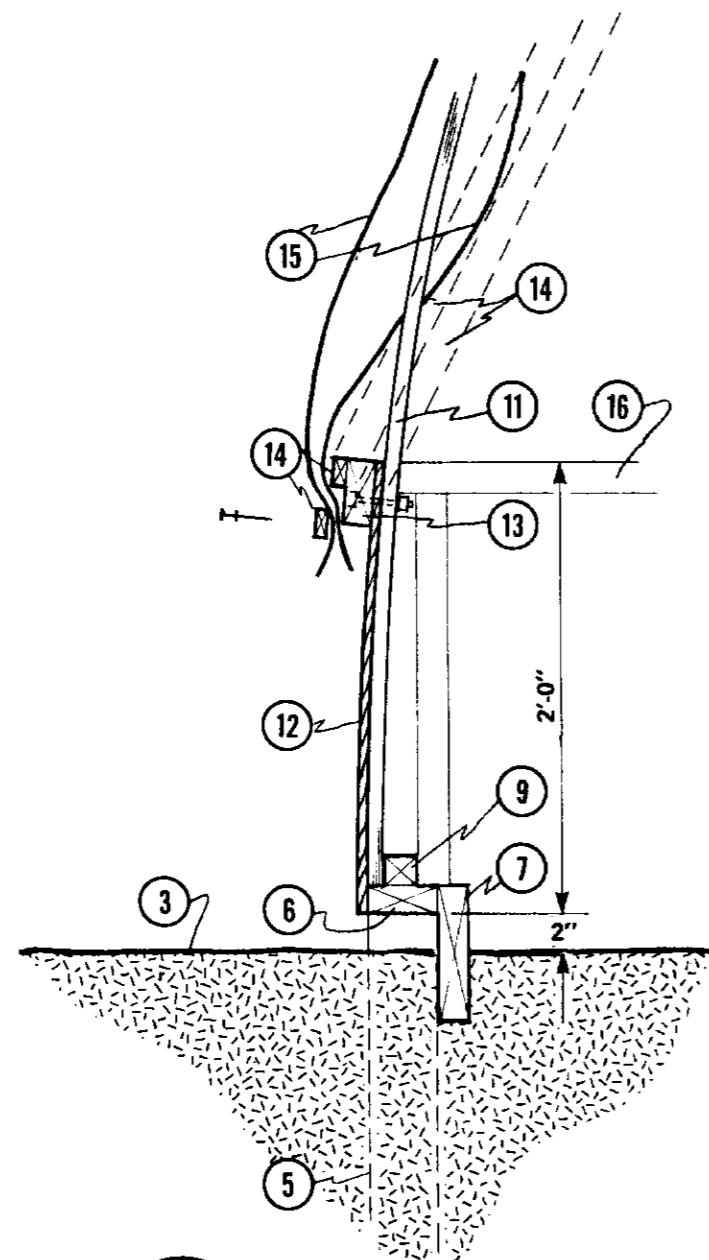
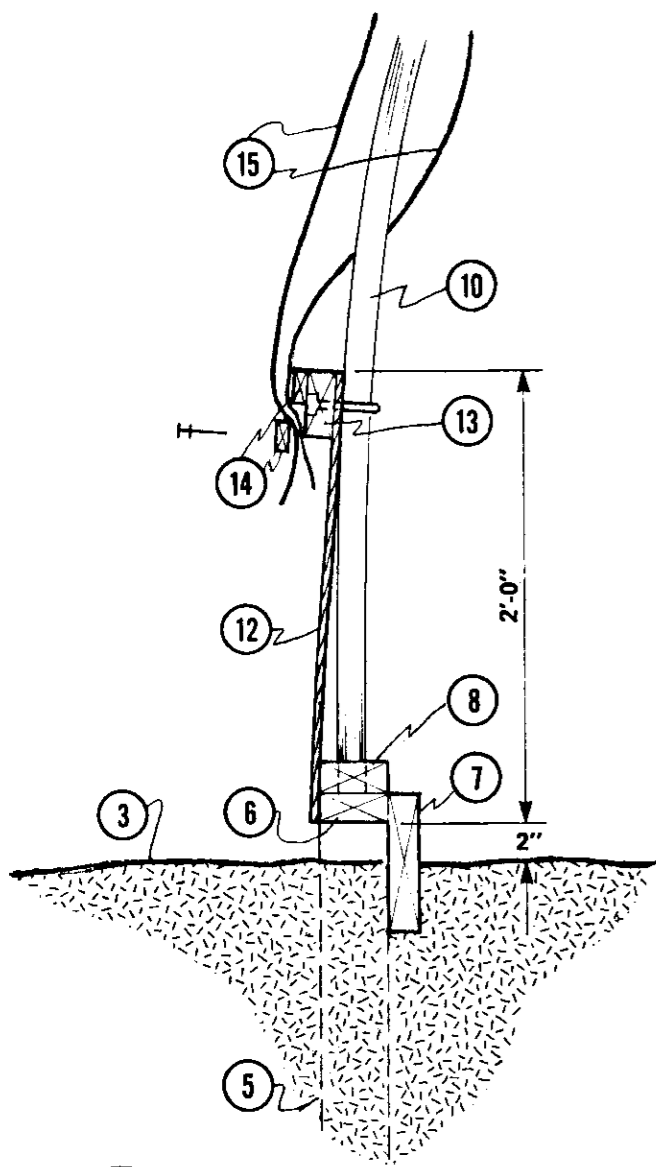
- 1 endwall elevation
- 2 length variable; allow 2'-0" polyethylene overlap at each end of greenhouse
- 3 4 x 4 cedar posts to below frost @ 4'-0" oc
- 4 2 x 8 cedar
- 5 2 x 4 plate
- 6 2 x 4 studs @ 2'-0" oc
- 7 2 x 4 x 1'-4" scab with hole to accept ⑧
- 8 1½" x 20'-0" galv. pipe frame @ 4'-0" oc
- 9 1" galv. pipe ridge bolted at each end to ⑩ and secured to pipe arches with 3/8" J-bolt, see ④
- 10 1 x 4 header arch, each end of greenhouse
- 11 ½" galv. pipe bracing bent to follow pipe arches; ends flattened and fastened to ridge pipe ⑨ with 3/8" J-bolt
- 12 wood frame, polyethylene covered door; see ② sheet 2
- 13 suggested blower location
- 14 air must enter blower from outside greenhouse
- 15 radius point; center line of greenhouse and top of plate ⑤
- 16 radius of pipe frame - 12'-9"
- 17 2-2 x 6 header
- 18 ventilation fan location
- 19 2 x 4 nailing girt nailed to outside of studs, 2-1 x 2 battens to secure polyethylene (or use a commercial system)

LIST OF DRAWINGS

sheet no.	title
1	TWO-LAYER POLYETHYLENE GREENHOUSE
2	WALL SECTIONS & DETAILS

WARNING
 This plan may require structural and other changes to meet local site conditions, climatic loads, user requirements and applicable building regulations (such as the Canadian Farm Building Code). Before construction, the user of this plan is responsible to ensure that all required changes are made.

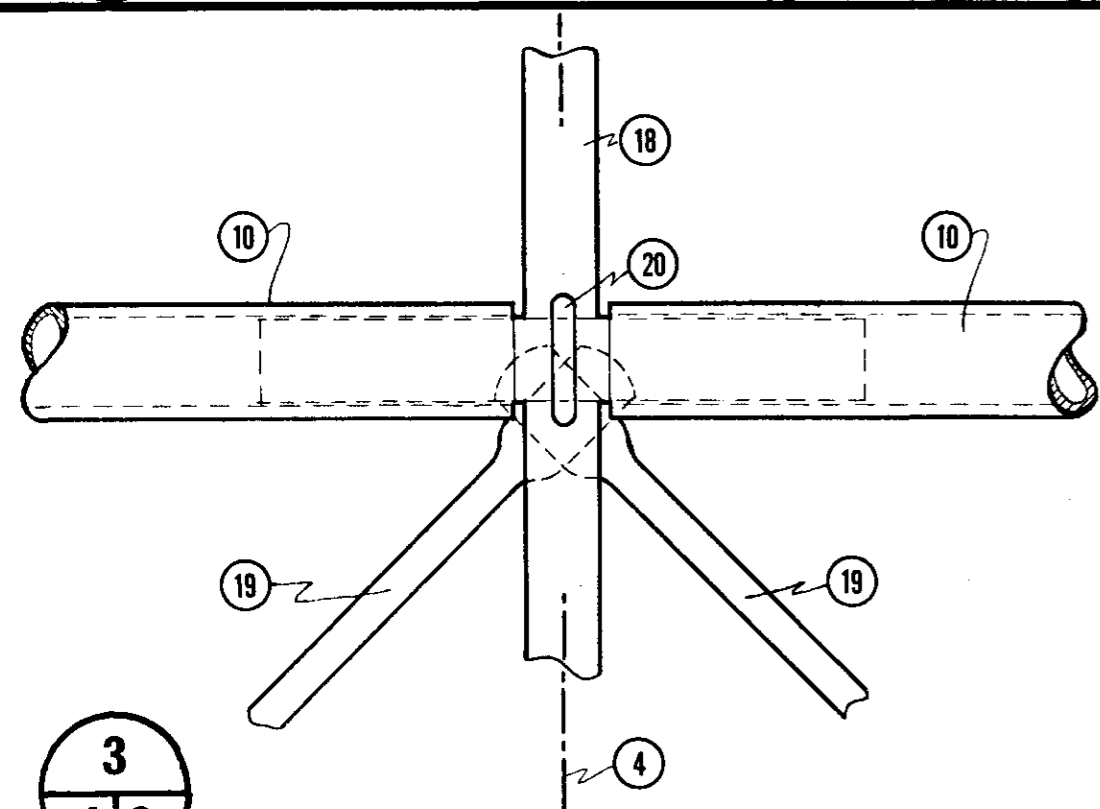
SYM	REVISIONS	CHECKED	DATE	APPROVED
TWO-LAYER POLYETHYLENE GREENHOUSE				(not to scale)
DESIGNED	J.A.R.	DATE	76 - 02	PLAN 6720
DRAWN	R. PELLA	REVISED	82 - 05	
TRACED		DETAIL NUMBER	A	SHEET 1 OF 2
CHECKED	J.E.T.	ORIGINATES ON SHEET	B	
		DRAWN ON SHEET	C	



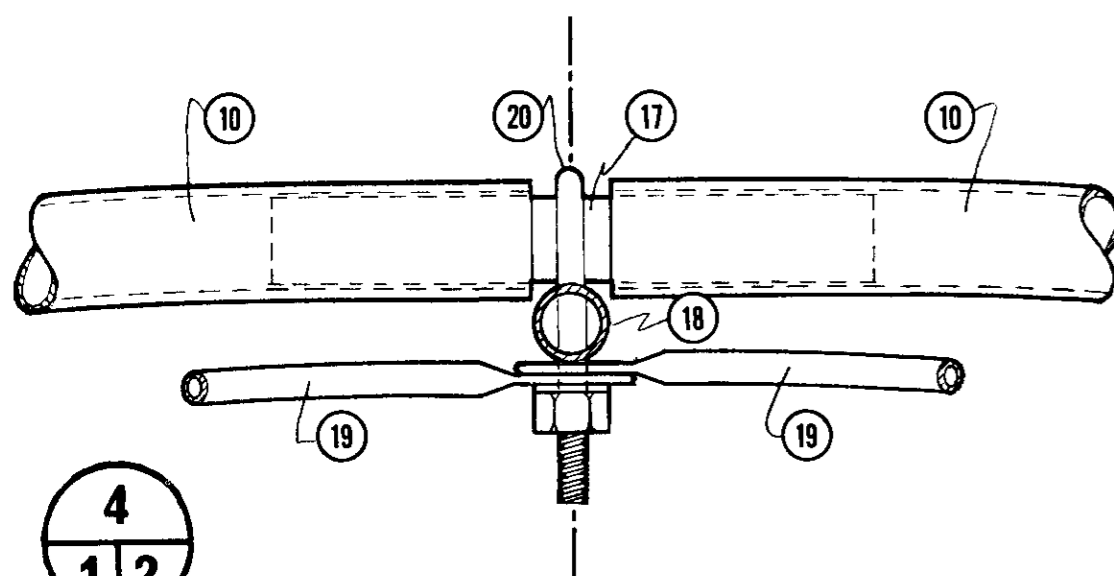
1
1/2

2
1/2

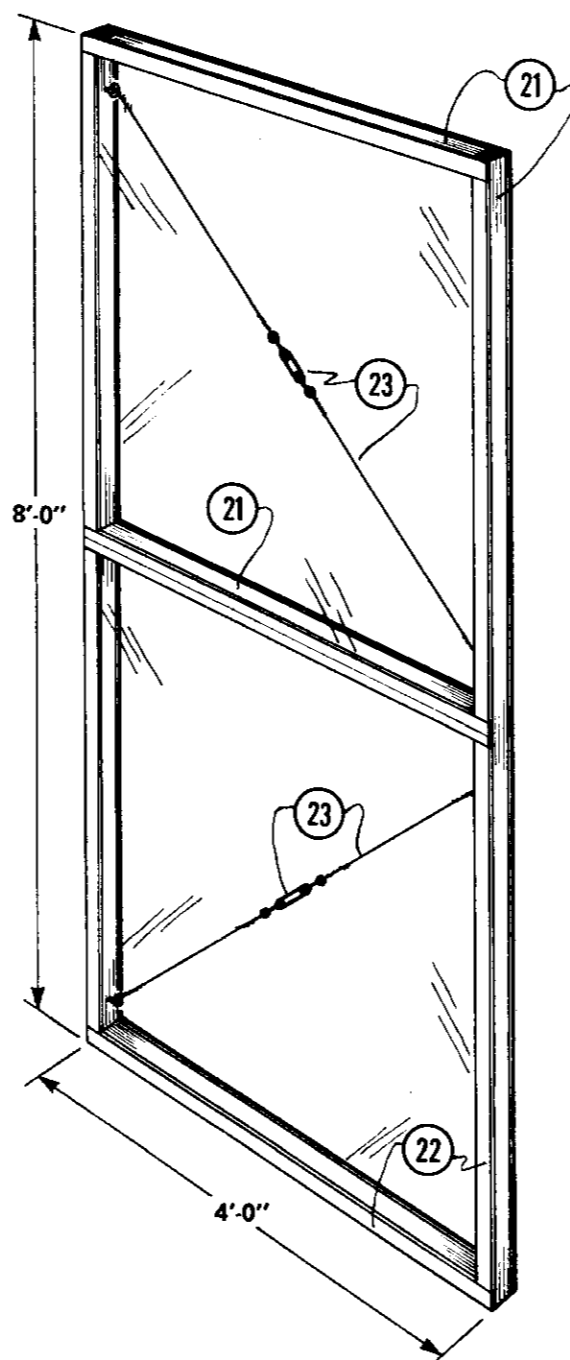
1



3
1/2



4
1/2



2

- 1 blower detail
- 2 door detail
- 3 grade line
- 4 center line of greenhouse
- 5 4 x 4 cedar posts @ 4'-0" oc to below frost
- 6 2 x 4 plate
- 7 2 x 8 cedar plank, 4" galv. spiral nails @ 6" oc
- 8 2 x 4 scab with hole to accept (10)
- 9 2 x 2 scab @ endwall arch
- 10 1 1/2" (1.380" I.D.) galv. pipe arch, 2 pcs. @ 20'-0" long
- 11 1 x 4 header arch @ endwalls only
- 12 3/8" exterior sheathing grade plywood
- 13 2 x 4 nailing girt fastened to (10) with U-bolts (countersink nuts), fasten to (11) with 1/2" x 3 1/2" carriage bolts
- 14 1 x 2 battens to secure polyethylene, nail bottom batten with 2 1/2" double-headed nails
- 15 6 mil polyethylene (ultra-violet inhibited); 25'-6" greenhouse span based on 40'-0" film width
- 16 2 x 4 nailing girt, fitted between studs
- 17 1" (1.315" O.D.) galv. pipe stub, 8" long
- 18 1" galv. pipe ridge, drill for (20)
- 19 1/2" galv. pipe bracing (see (10), sheet 1)
- 20 3/8" J-bolt
- 21 2 x 2 frame
- 22 1/2" x 2" battens to secure polyethylene, both sides of frame
- 23 turnbuckle and wire cross-bracing attached with eyebolts
- 24 4" - 8" centrifugal blower; a 25' x 96' structure requires: 200 - 400 cfm air at up to 1/2" water static pressure and a 1/12 to 1/9 hp electric motor
- 25 air inlet cover; full open during initial inflation and during windy periods
- 26 polyethylene layflat tubing or collapsible clothes-dryer duct, diam. to suit blower outlet, gear clamp to (24) and (27)
- 27 collar to match blower outlet, solder to 22 gage galv. steel flange, diam. 6" more than that of blower outlet, secure with wood screws to (28)
- 28 3/4" plywood flange, diam. to match (27)

SYM	REVISIONS	CHECKED	DATE	APPROVED

CANADA PLAN SERVICE

WALL SECTIONS & DETAILS

(not to scale)

DESIGNED J.A.R.	DATE 76-02	PLAN
DRAWN R. PELLA	REVISED 82-05	
TRACED	DETAIL NUMBER A	6720
CHECKED J.E.T.	ORIGINATES ON SHEET B	
	DRAWN ON SHEET C	SHEET 2 OF 2