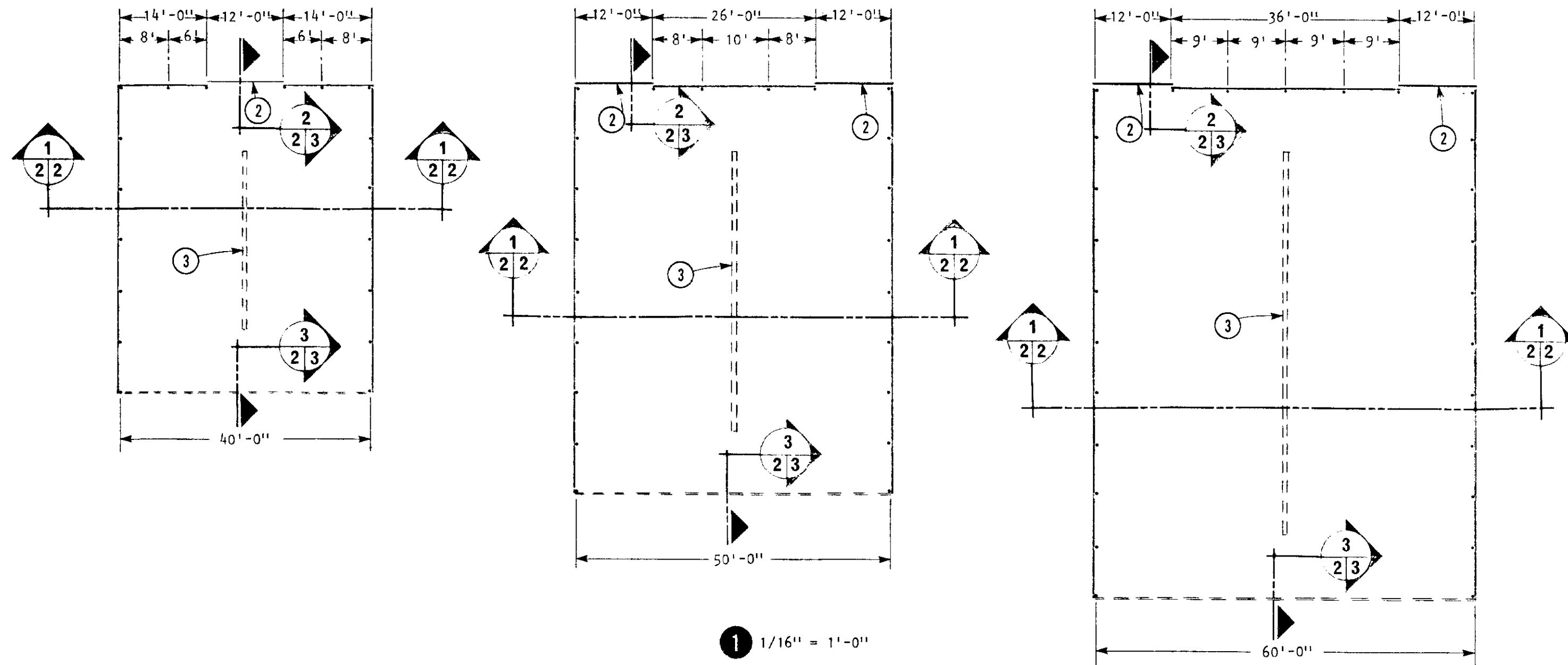


1. include leaflet 8161 for management information
2. attach roof truss plans to suit local design loads and width of building desired; 40, 50 or 60 ft. spans, double sloped

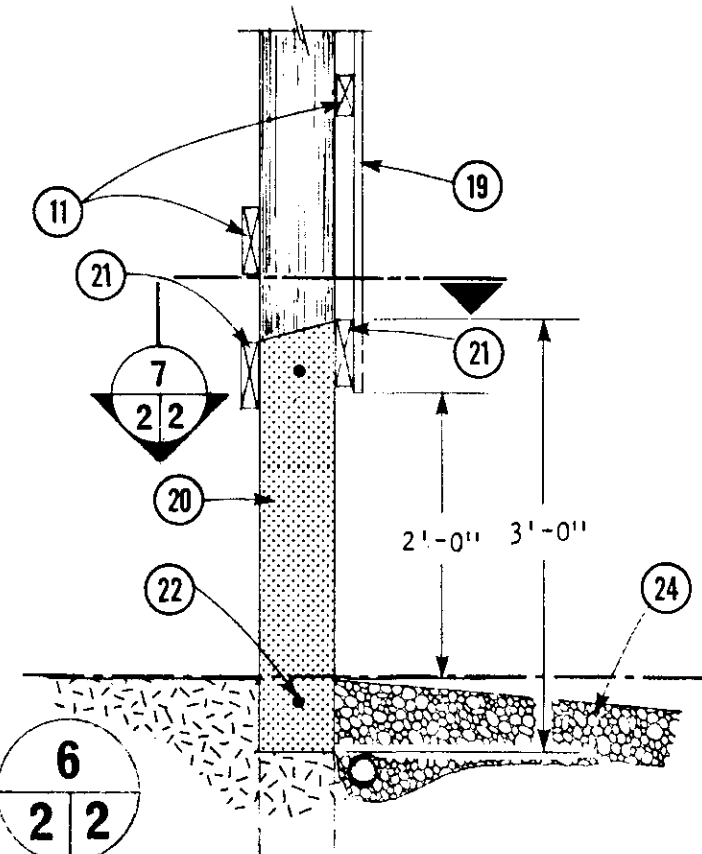
WARNING
 This plan may require structural and other changes to meet local site conditions, climatic loads, user requirements and applicable building regulations (such as the Canadian Farm Building Code). Before construction, the user of this plan is responsible to ensure that all required changes are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

SYM	REVISIONS	CHECKED	DATE	APPROVED

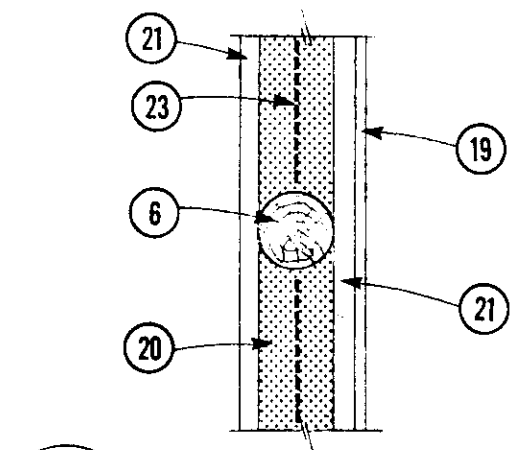
	OPEN END POLE BARN	
	DESIGNED <i>J. E. T.</i>	DATE AUG./75
DRAWN <i>J. E. T.</i>	REVISOR	PLAN 8161
TRACED	DETAIL NUMBER _____	
CHECKED H. A. J.	ORIGINATES ON SHEET A	SHEET 1 OF 4
	DRAWN ON SHEET B	



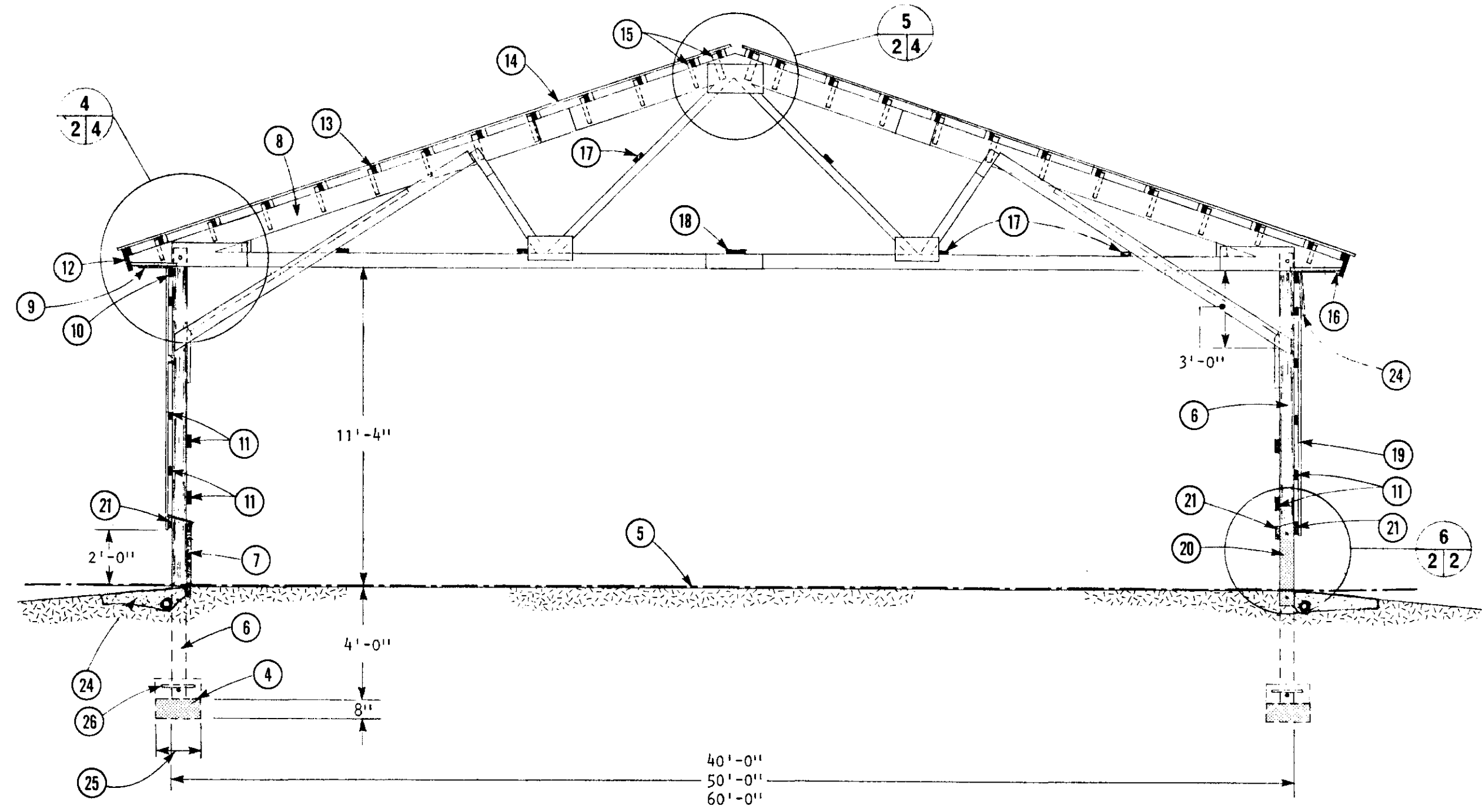
1/16" = 1'-0"



3/4" = 1'-0"



3/4" = 1'-0"



1/16" = 1'-0"

- 1 typical floor plans with 40', 50' or 60' clear spans
- 2 12'-0" x 10'-4" sliding door
- 3 ridge vent slot stops at truss 8'-0" from each end of building
- 4 top of footing to be levelled at 4'-0" below floor datum (5)
- 5 floor datum line
- 6 6" top dia. or 6" x 6" x 16'-0" pressure treated poles @ 8'-0" o.c.; where 1/10 hourly wind pressure (see Nat. Bldg. Code of Canada) exceeds 11 psf increase sawn pole to 6" x 8" with 8" dimension perpendicular to wall; notch pole tops for trusses 15'-4" from butts before erecting poles
- 7 6 courses of 2" x 6" x 16'-0" T & G pressure treated planking; stagger end joints 8'-0" @ poles, nail each plank to pole with 2-5" spiral nails
- 8 bolt single or double truss to notched poles at 8'-0" o.c.
- 9 3/8" aspenite or plywood soffit
- 10 2" x 4" x 16' continuous, nail soffit (9) from above before roofing is put on
- 11 2" x 4" @ 2'-0" o.c. outside; 2" x 6" @ 2'-0" o.c. inside
- 12 2" face board
- 13 roof purlins @ 24" o.c. on edge, see (10) sheet 4
- 14 galv. steel roofing, see manufacturer for gage & profile to suit local snow load
- 15 1 1/2" x 2 1/2" x 12" blocking 24" o.c.; in double truss construction, on flat at plywood gussets, on edge at other locations
- 16 continuous vent slot 2", increase or decrease according to site conditions and resulting snow problems
- 17 2" x 4" truss stiffeners continuous 8'-0" o.c. max.
- 18 2" x 8" walk plank continuous
- 19 siding, 3/8" exterior plywood, aspenite, or 1" vertical boarding
- 20 reinforced concrete infill panel, alternate to (7)
- 21 2" x 6" nailed to pole (6)
- 22 #4 x 7'-4" rebar between poles
- 23 alternate wall detail with translucent light panel
- 24 coarse gravel splashpad, perforated plastic drain
- 25 18" dia. footing capacity with 4000 psf soil;

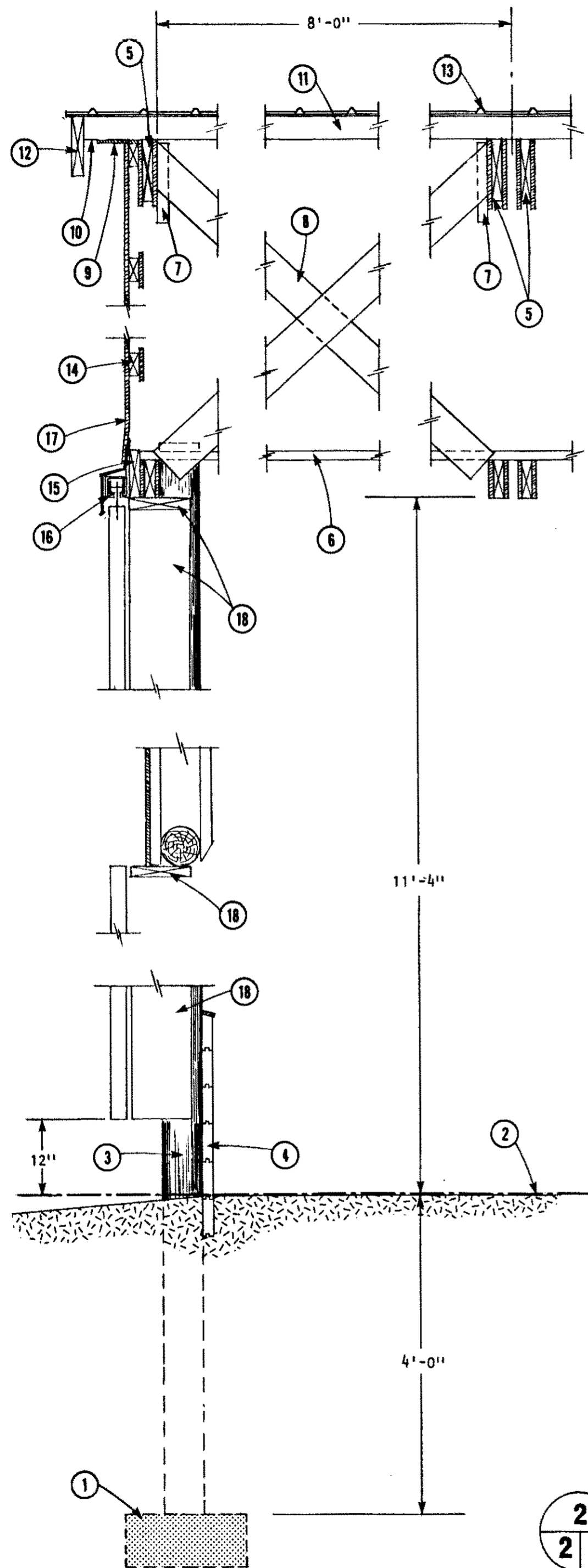
roof span	40'	50'	60'
roof load (psf)	44	35	29
- 26 2 #4 x 16" rebar through pole, concrete anchor prevents wind uplift

revised & re-issued		80-08	J.E.T.
SYM	REVISIONS	CHECKED	DATE APPROVED

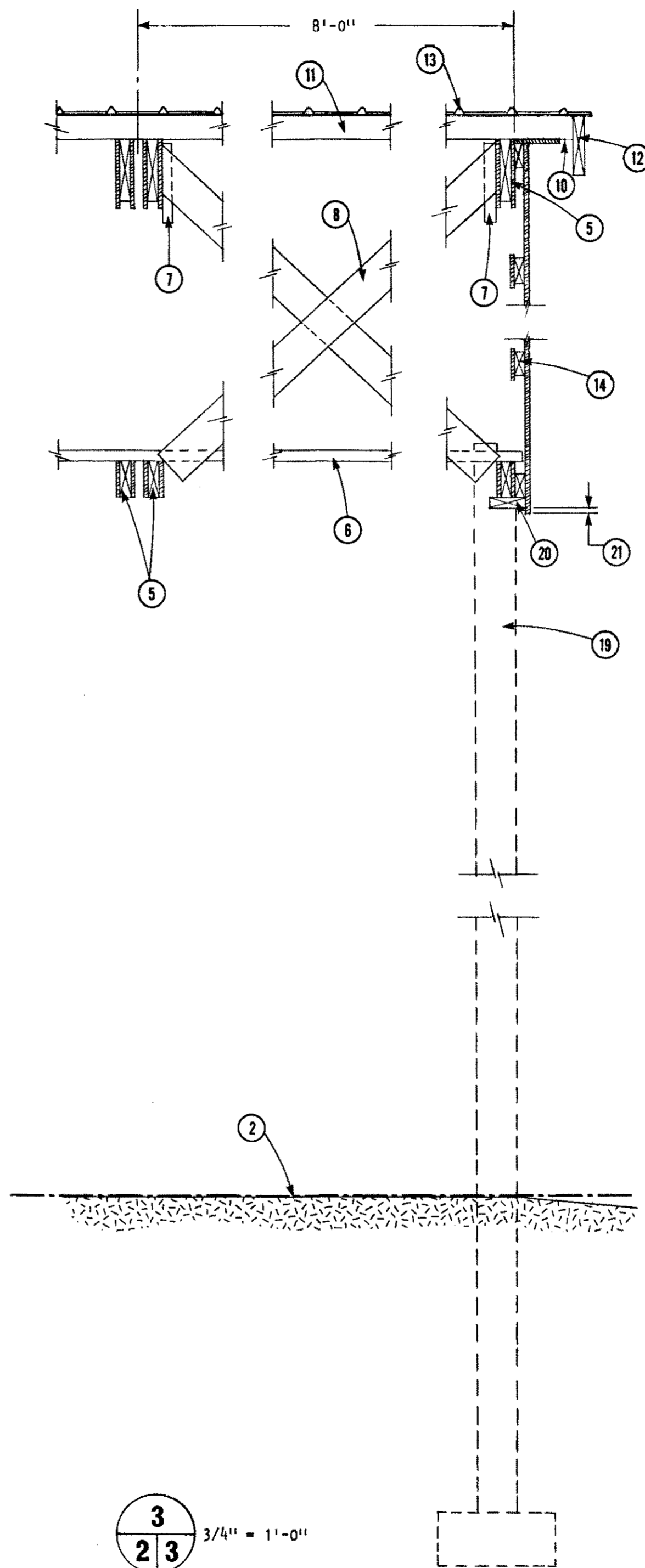
CANADA
PLAN SERVICE

PLAN AND CROSS SECTION

DESIGNED <i>J.E.T.</i>	DATE AUG./75	PLAN
DRAWN <i>J.E.T.</i>	REVISED	8161
TRACED	DETAIL NUMBER A	SHEET 2 OF 4
CHECKED H.A.J.	ORIGINATES ON SHEET B DRAWN ON SHEET C	




$\frac{2}{2 \ 3}$ $\frac{3}{4}'' = 1'-0''$



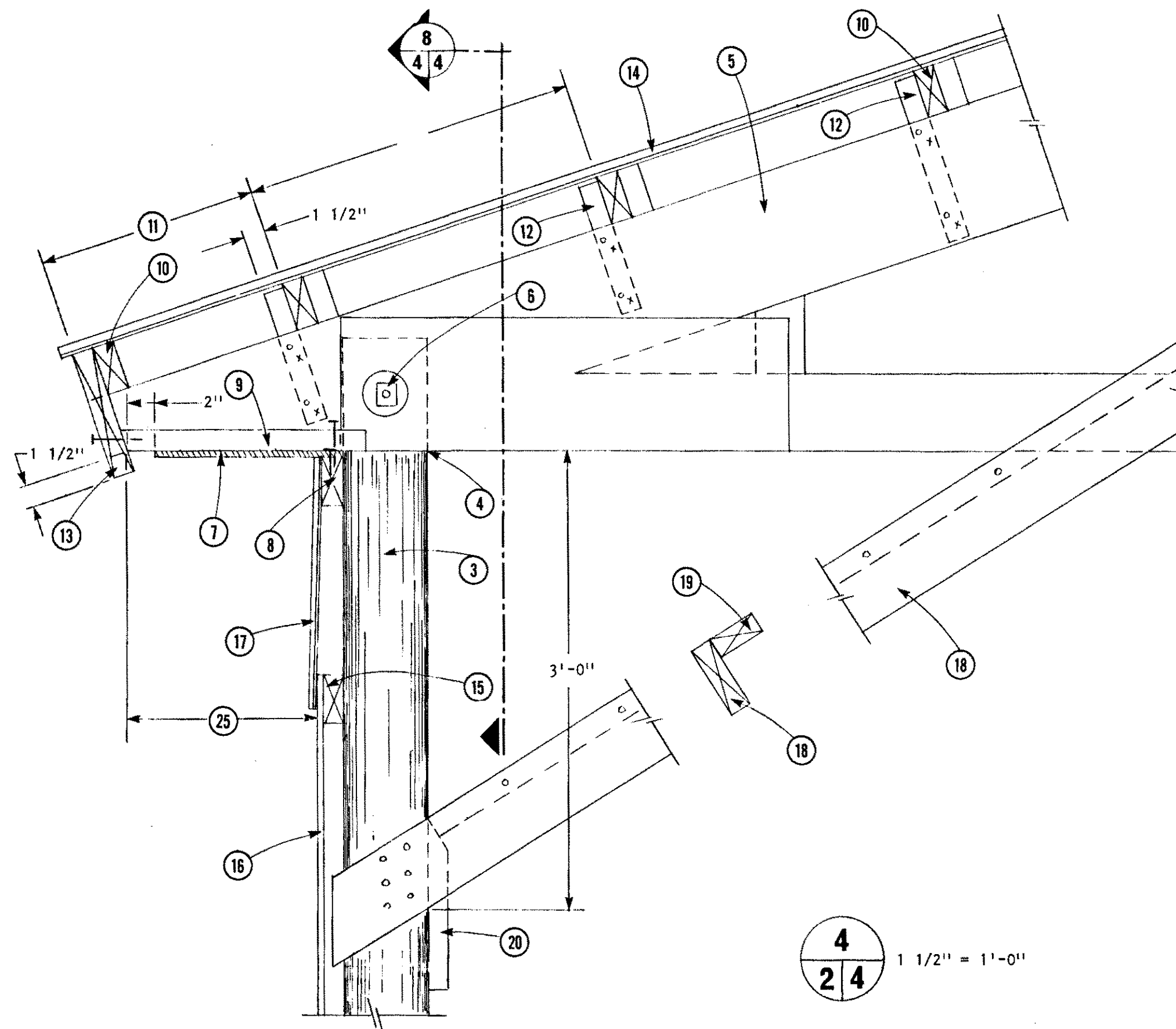
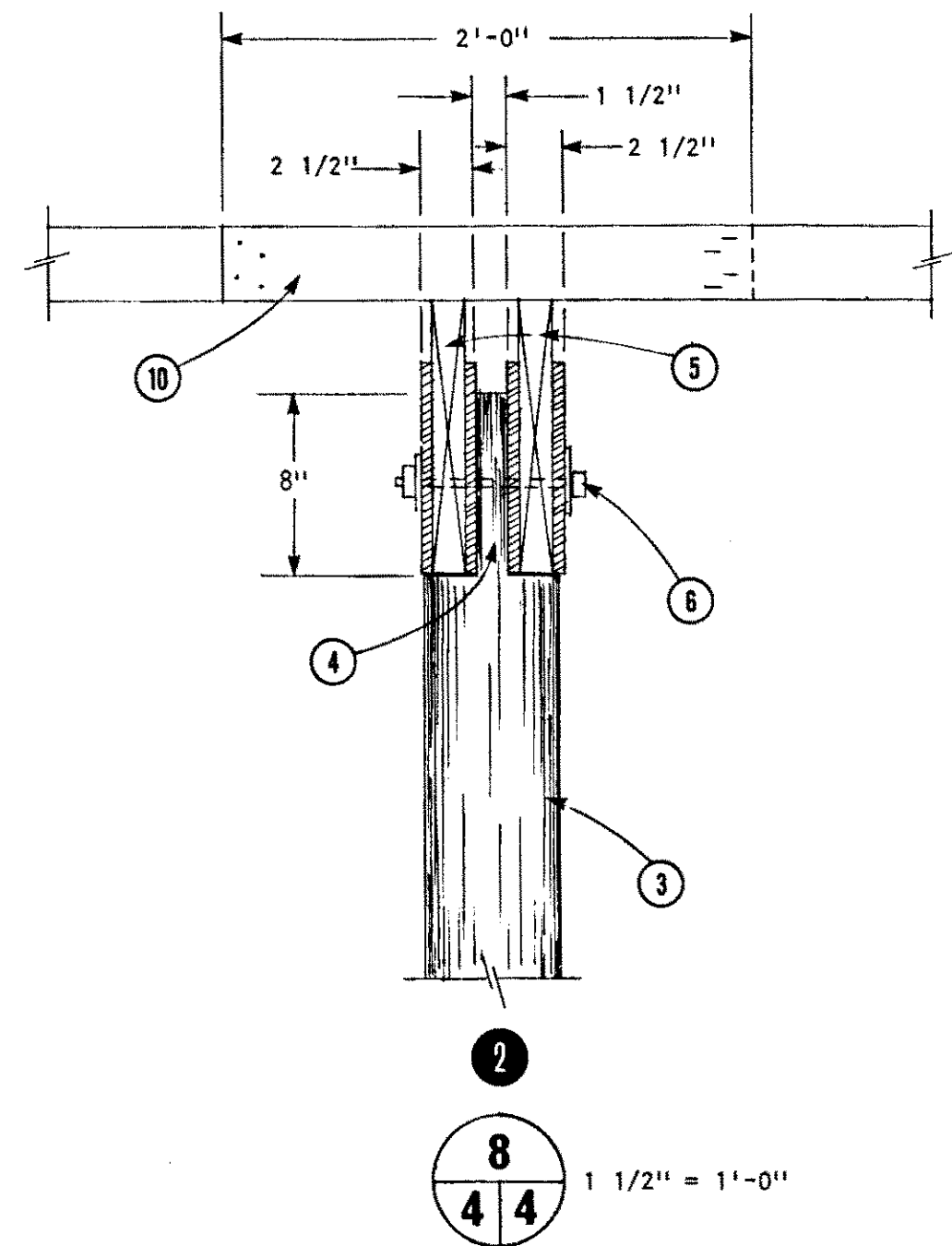
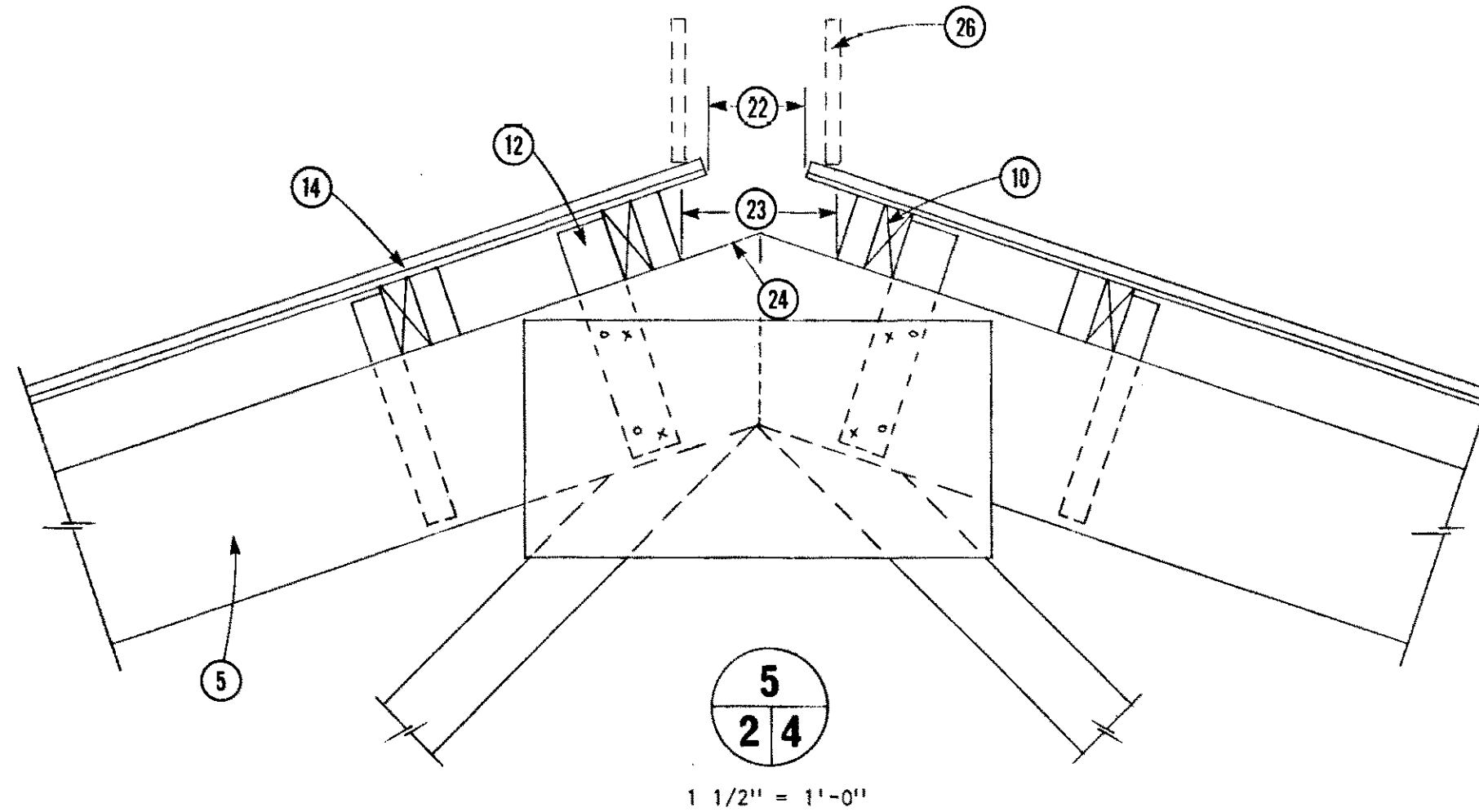
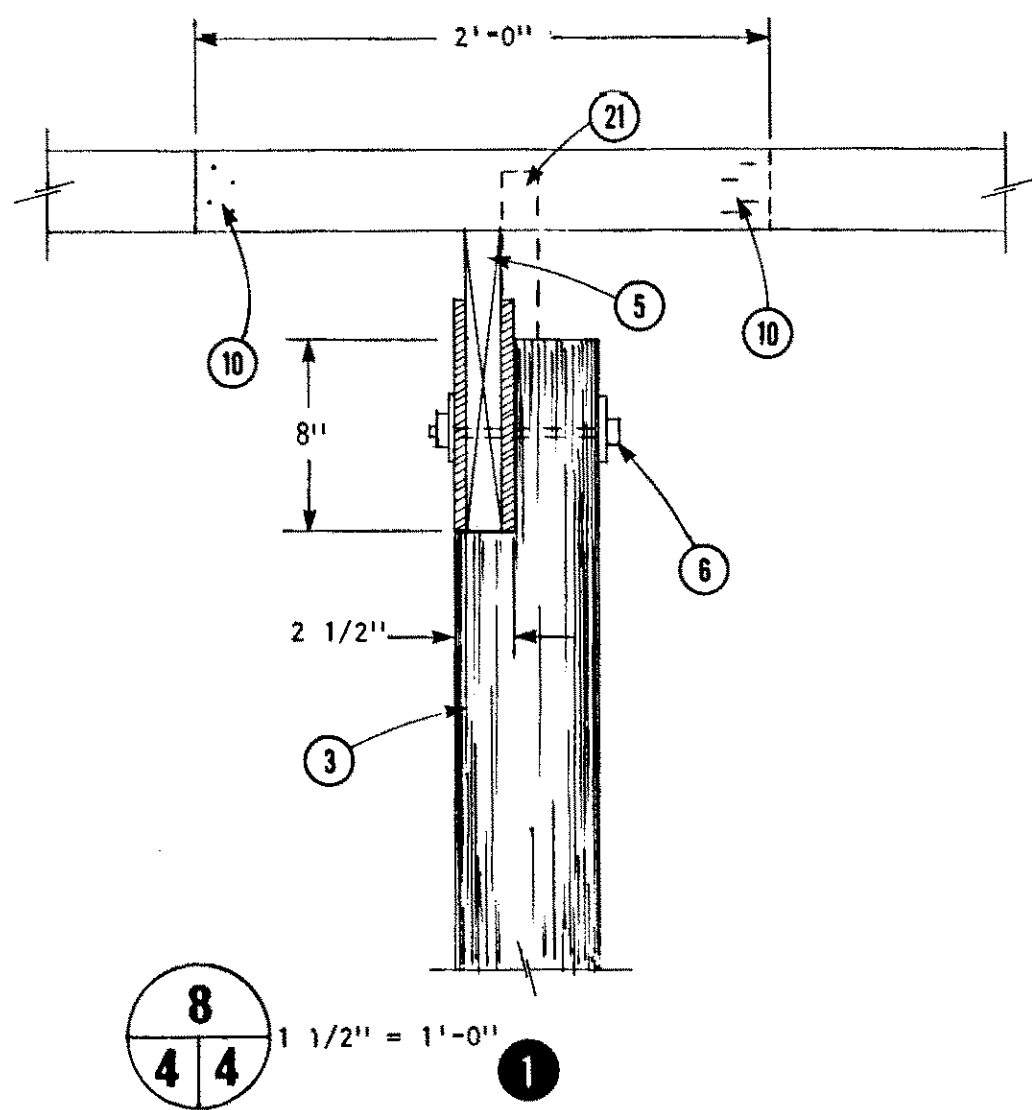
$\frac{3}{2 \ 3}$ $\frac{3}{4}'' = 1'-0''$

1. 18" dia. x 8" min. concrete footing; top of footing to be levelled at 4'-0" below datum (2)
2. floor datum line
3. 16' round or sawn pole, same size as side wall, see sheet 2, note (6)
4. 6 courses of 2" x 6" x 16' T & G pressure treated planking, nail each plank to pole with 2-5" spiral nails, stagger end joints 8' o.c. at alternate poles
5. single truss at end of building; single or double trusses @ other poles to suit local snow load
6. 2" x 8" plank or 2" x 4" stiffeners
7. 2" x 6" x 12" block, nailed to upper chord of truss to fasten cross bracing (8)
8. 2" x 6" cross bracing; install as soon as first two trusses are bolted in place
9. 3/8" aspenite or plywood soffit
10. 2" continuous vent
11. roof purlins @ 24" o.c. max. on edge, see sheet 4, note (10)
12. 2" face board
13. galv. steel roofing, see manufacturer for gage & profile to suit local snow load
14. 2" x 4" nailing girts with 1/2" plywood spacers as required where girts cross truss members
15. 2" x 8" track board
16. sliding door hardware
17. vertical siding; 1" x 6" boards, 3/8" select sheathing plywood or 3/8" aspenite
18. 2" x 10" door header & side jambs
19. structural corner pole beyond open face
20. 2" x 6" for 40' & 50' spans, 2" x 8" for 60' span
21. 1/2" drip

SYM	REVISIONS	CHECKED	DATE	APPROVED


END WALL SECTIONS

DESIGNED <i>JET</i>	DATE AUG./75	PLAN 8161
DRAWN <i>[Signature]</i>	REVISED	
TRACED	DETAIL NUMBER <i>A</i>	
CHECKED <i>H.A.J.</i>	ORIGINATES ON SHEET <i>B</i>	SHEET 3 OF 4
	DRAWN ON SHEET <i>C</i>	



1. optional detail at single truss-to-pole connection
2. optional detail at double truss-to-pole connection
3. 6" top dia. x 16'-0" round or 6" x 6" x 16'-0" sawn pressure treated poles @ 8'-0" o.c. (where 1/10 hourly wind pressure exceeds 11 psf use 6" x 8" instead of 6" x 6" sawn poles)
4. notch poles for bearing truss(es) at 11'-4" above datum line before erecting poles (see sheet 2, note 4)
5. single or double truss at poles, 8'-0" o.c., based on local roof load
6. 1/2" bolt, 3" round or square washers both sides of truss
7. 3/8" plywood or aspenite soffit
8. 2" x 4" x 16'-0" nailing girt, continuous
9. 2" x 2" @ 24" o.c. between poles to support 7, nail from above through 7 and 8
10. 10'-0" roof purlins on edge @ 24" o.c.

size	# of 4" spiral nails at lap	total purlin load (psf)	
		#2 spruce	#2 douglas fir
2" x 4"	3	27	38
2" x 6"	6	45	65
11. 16" maximum at eaves
12. 1 1/2" x 2 1/2" x 12" spacer blocking between truss pairs; on flat at gussets, on edge at other locations
13. 2" face board
14. galv. steel roofing, see manufacturer for gage and profile to suit local snow load and purlin spacing, optional drip stop of 1/2" wood-fiber board or 1" extruded polystyrene between purlins 10 and roofing
15. 2" x 4" nailing girts
16. vertical siding
17. optional translucent fiberglass-reinforced lighting panel, continuous 2 side walls
18. 2" x 6" knee bracing, laps pole and truss, 6-5" spiral nails to pole, 8-4" spiral nails to truss upper chord (clinched)
19. 2" x 4" knee brace stiffener, notch in way of truss lower chord; stops short of top chord
20. 2" x 4" x 12" block
21. 2" x 4" @ each purlin
22. ridge vent slot width - 5" for 60' span, 4" for 50' span, 3" for 40' span
23. ridge vent slot width plus 3"
24. soak exposed ridge joint with creosote or penta wood preservative
25. min. 8", dimension varies with truss used
26. optional 1" x 8" baffle boards at ridge vent

SYM	REVISIONS	CHECKED	DATE	APPROVED

CANADA PLAN SERVICE STRUCTURAL DETAILS

DESIGNED <i>J.E.T.</i>	DATE AUG./75	PLAN
DRAWN <i>[Signature]</i>	REVISED	8161
TRACED	DETAIL NUMBER A	SHEET 4 OF 4
CHECKED <i>H.A.J.</i>	ORIGINATES ON SHEET B DRAWN ON SHEET C	