

table 1 **35** ROOF RAFTERS

rafter spacing	total roof load (kN/m ²)	
	No.2 spruce	No.2 douglas fir
600mm o.c.	1.15	1.67
400mm o.c.	1.72	2.49

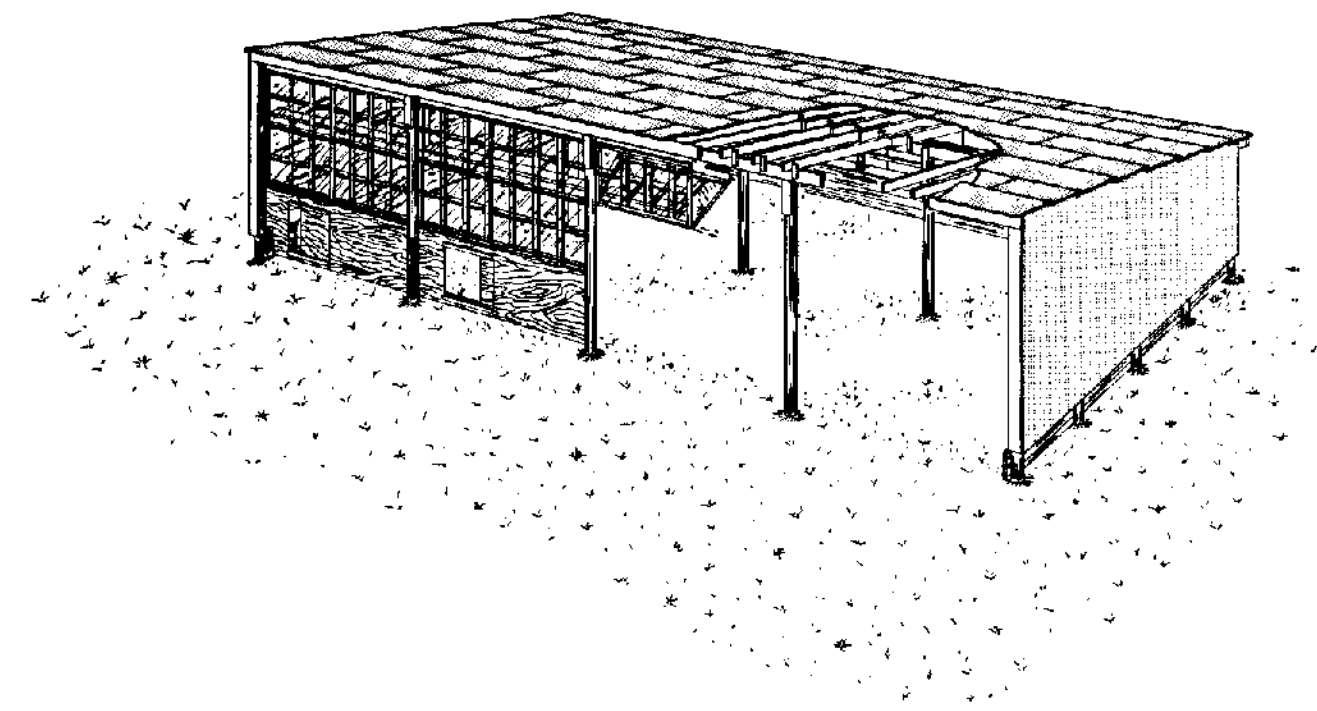
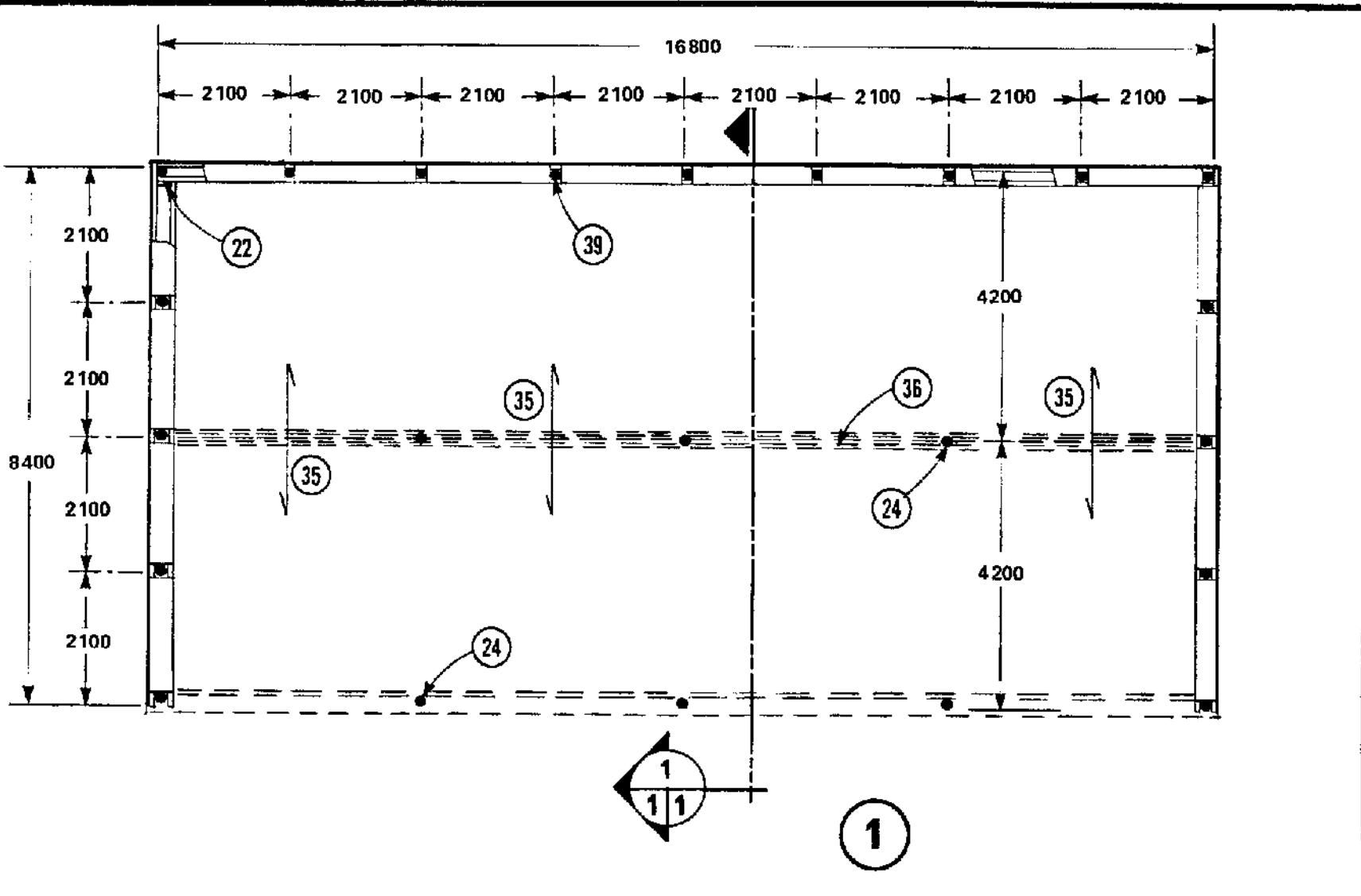
table 2 **36** CENTER - LINE BEAM

beam size	total roof load (kN/m ²)	
	No. 2 spruce	No. 2 douglas fir
4 - 38 x 235	1.15	1.67
4 - 38 x 288	1.72	2.49

1. plan
2. 38 x 235 x 4200mm plate, bevel top 90° to fit roofing
3. 38 x 140mm rafter tie @ each rafter
4. 138mm continuous vent opening, trim pole to suit
5. 38 x 140 x 600mm scab at pole
6. 38 x 184mm scab at pole
7. 38 x 140mm stop nailed to rafter (35)
8. rope and pulley system to lift (14)
9. 38 x 140 x 4200mm stiffeners; join 900mm from pole with 9.5 x 150 x 150mm plywood splice plate nailed on top
10. 38 x 140 x 4200mm head plank, join at poles 4200mm oc
11. 19 x 64mm frame and stop
12. 19 x 38mm frame, screw or double - head nails to (13)
13. 38 x 64 curtain frame
14. reinforced polyethylene curtain, attached by wrapping & stapling to (12), screw or double - head nails to (13)
15. 4200 x 1200mm panel removes for storage in summer
16. strap hinge inside, 3 per panel
17. 0.60mm galv. steel gusset nailed to (13)
18. 100mm wide steel bracket, lag screw to pole
19. top of all footings to be 1050mm below datum so poles can be cut and/or notched for plates and beams before erecting
20. below frost
21. for dry climate, 9.5mm exterior plywood single skin roof, lap horizontal joints 75mm and caulk all joints; for humid climate, 9.5mm exterior plywood or 12mm Aspenite roof sheathing, pyclips midway between rafters, low - slope asphalt shingles
22. 38 x 89mm treated blocking at corner
23. datum line
24. 150 top x 4800mm pressure treated poles @ 4200mm oc
25. 150 top x 4200mm pressure treated poles @ 4200mm oc cut top to suit size of beam (36)
26. 50mm min. vent slot
27. 25 x 100mm hinged door with cable control, close for snow
28. 1 - 38 x 140 x 4200mm inner, 38 x 184 x 4200mm outer plate, end joints staggered 2100mm on alternate poles (notch pole for bearing inner plate)
29. 38 x 140mm nailer block at each pole
30. continuous doors of 9.5mm plywood or Aspenite for summer ventilation
31. 38 x 140mm
32. rust - resistant hinge, 3 per 2400mm panel
33. 19 x 140mm guard planks continuous
34. 5 courses of 38 x 140 x 4200mm T&G pressure treated planking; stagger joints 2100mm at poles, nail to poles with 102mm spiral nails each plank
35. 38 x 140 x 4800mm rafters (see table 1)
36. center-line beam (see table 2)
37. wedge at each rafter
38. shingle shim at each rafter
39. 125mm top x 3600mm pressure treated poles @ 2100mm oc

NOTE:
 Include leaflet M - 4111 for management information
 ALL DIMENSIONS IN THIS METRIC PLAN ARE IN MILLIMETRES (mm) UNLESS OTHERWISE SPECIFIED

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.



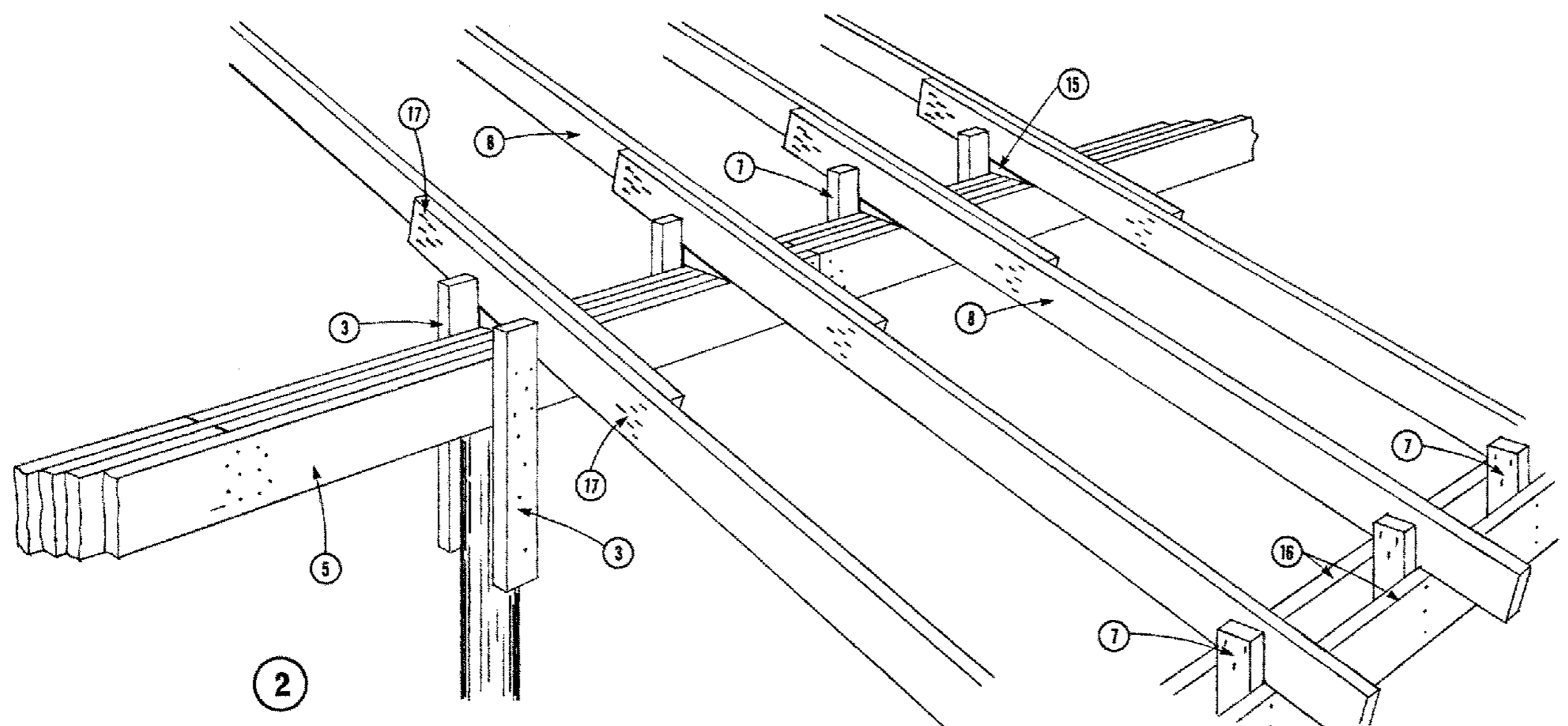
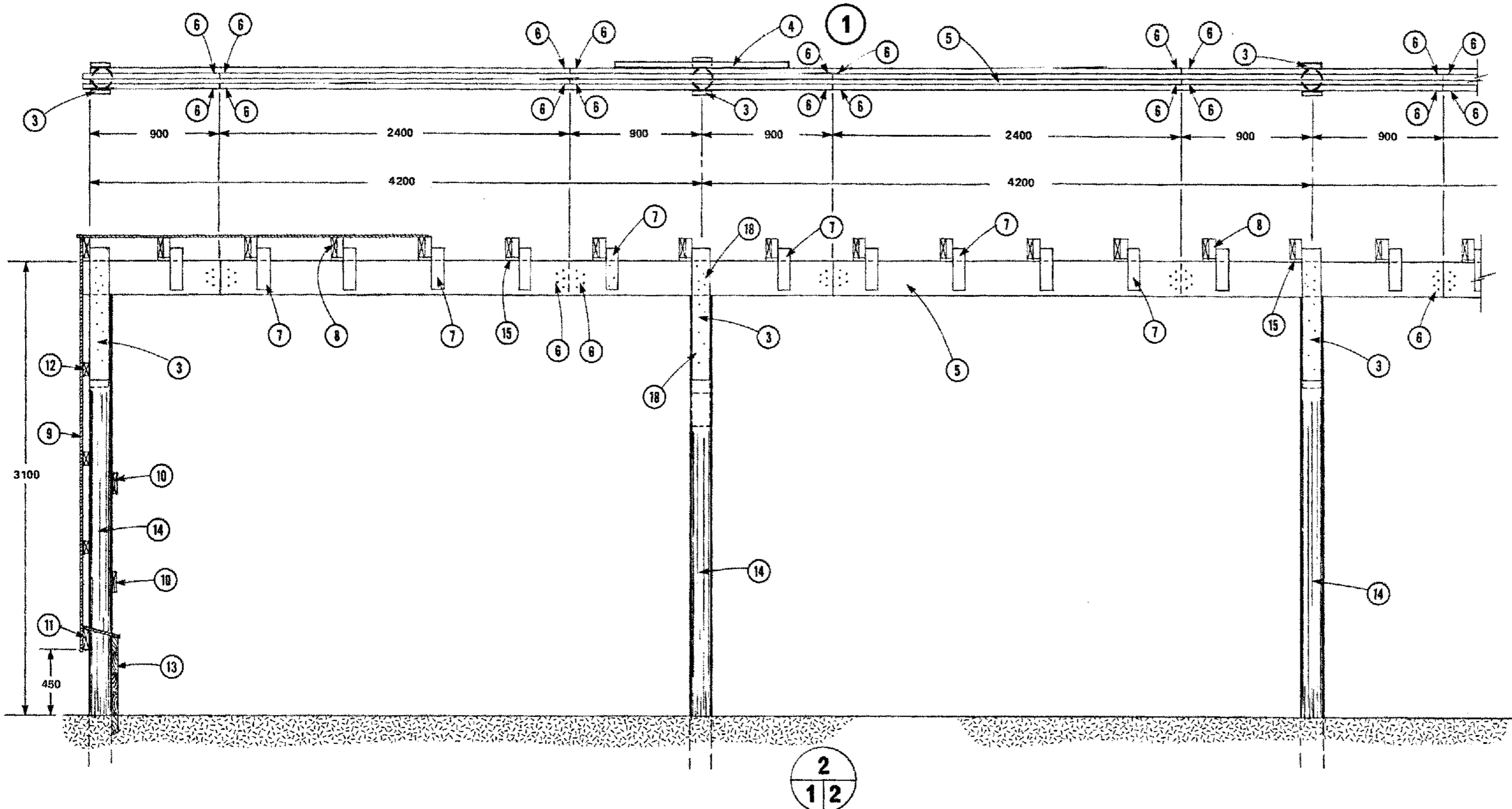
SYM	REVISIONS	CHECKED	DATE	APPROVED

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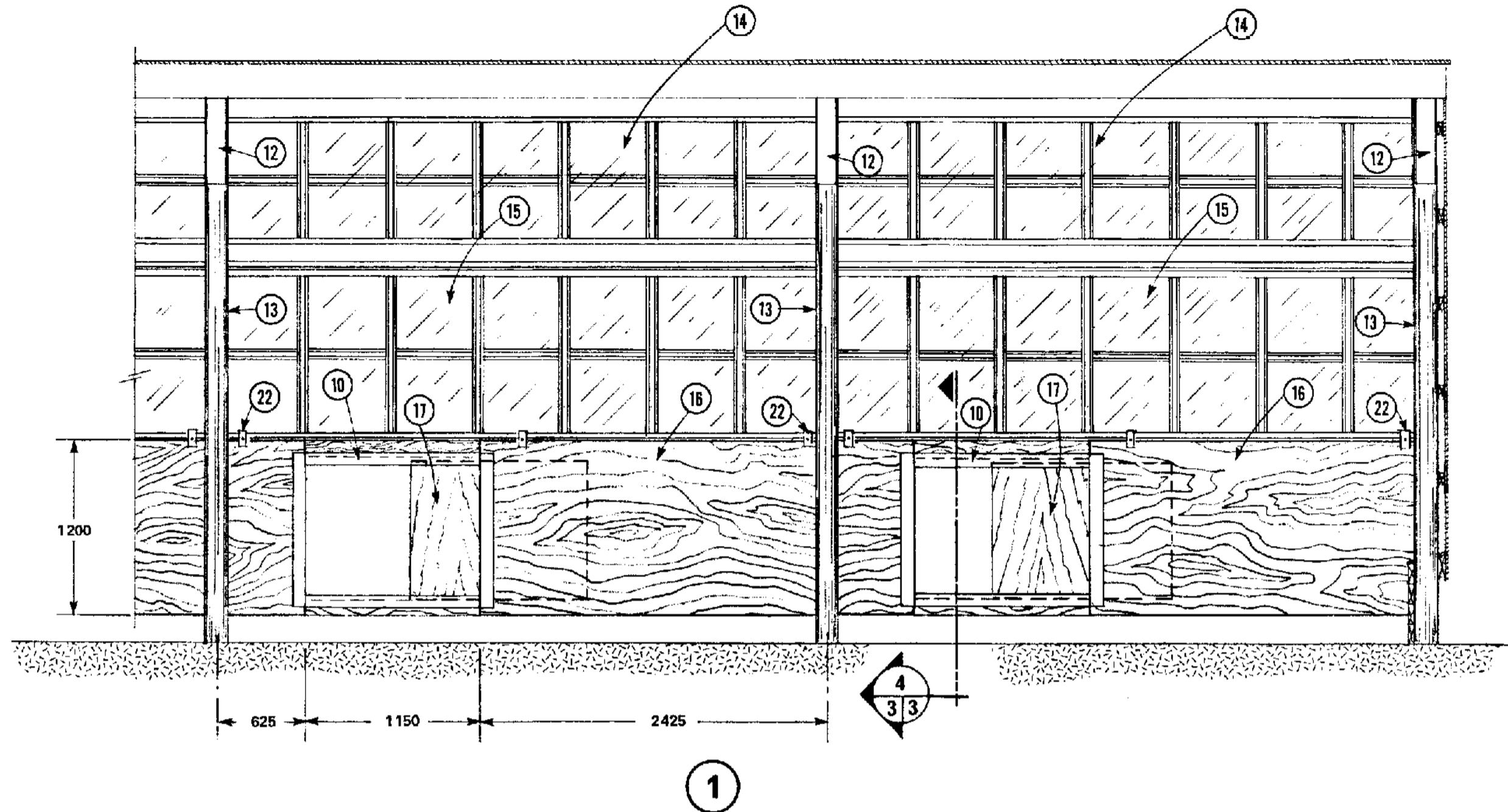
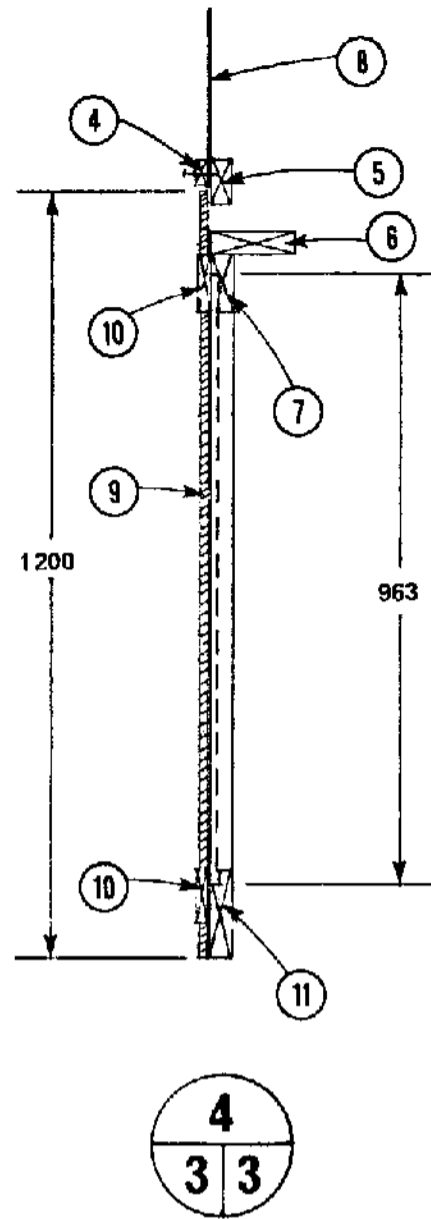
POLE FRAME SHEEP SHED

(not to scale)

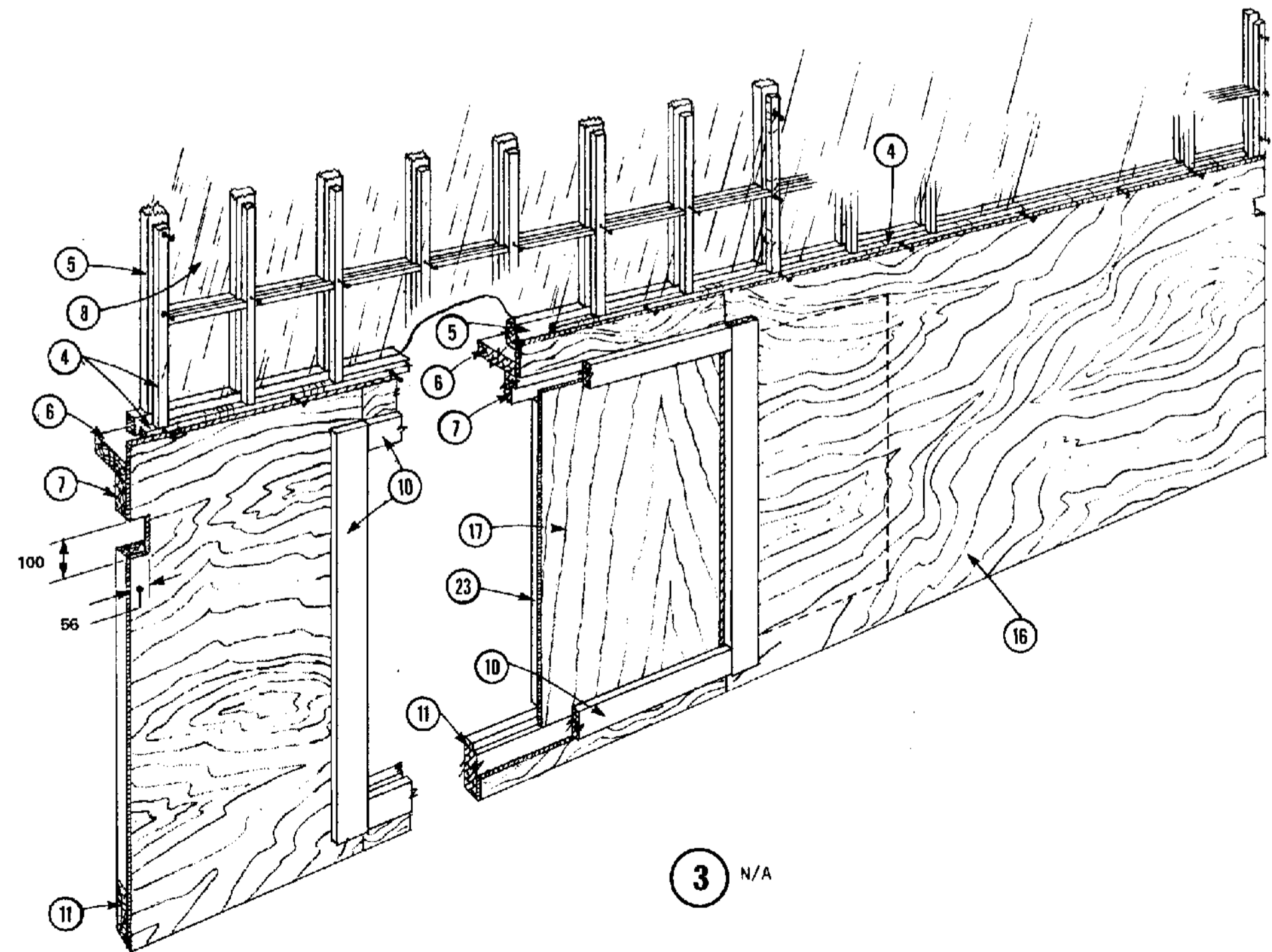
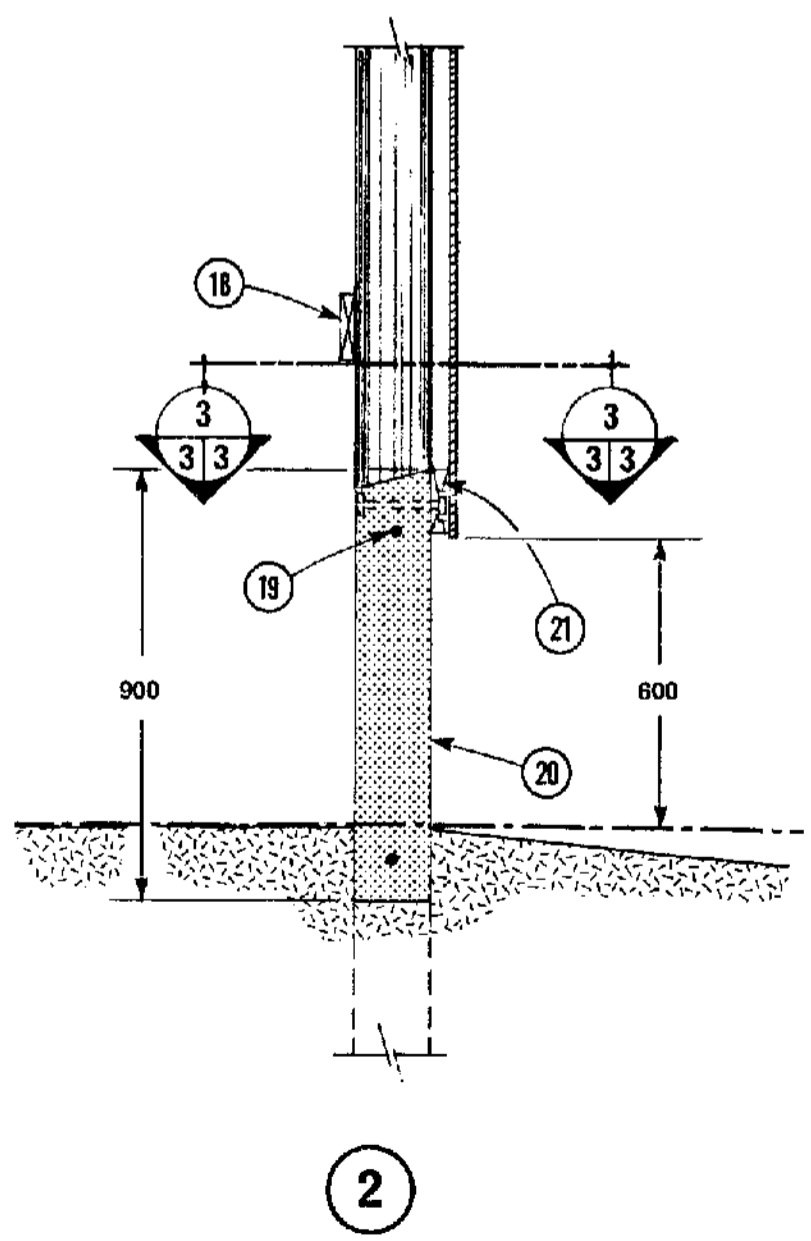
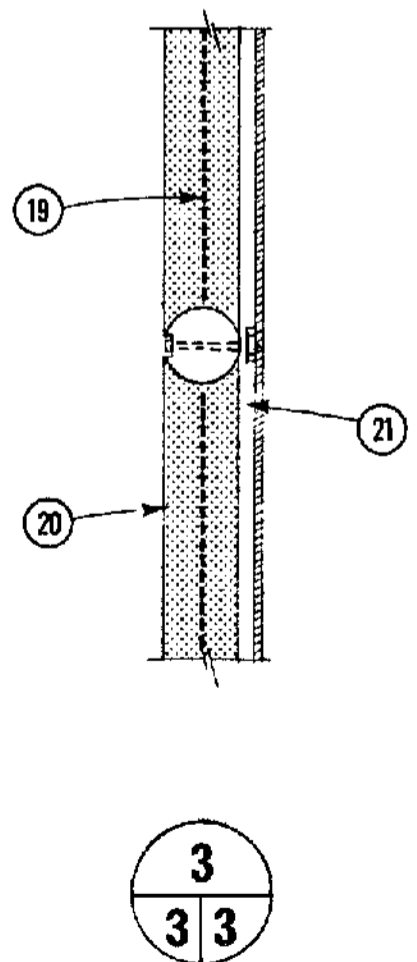
DESIGNED <i>JET</i>	DATE 80-01	PLAN
DRAWN J.G.L./A.M.	REVISED	M-4111
TRACED	DETAIL NUMBER	A
CHECKED <i>JET</i>	ORIGINATES ON SHEET	B
	DRAWN ON SHEET	C
		SHEET 1 OF 3



SYM	REVISIONS	CHECKED	DATE	APPROVED
STRUCTURAL DETAILS				(not to scale)
DESIGNED	JET	DATE	80 - 01	PLAN
DRAWN	J.G.L./A.M.	REVISED		M-4111
TRACED		DETAIL NUMBER	A	
CHECKED	JET	ORIGINATES ON SHEET	B	
		DRAWN ON SHEET	C	SHEET 2 OF 3



1. curtain detail, front elevation of shed
2. alternate wall detail with concrete infill panel between poles
3. pictorial view of removable plywood curtain
4. 19 x 38mm frame, screw or double - head nails to (5) for easier replacement of polyethylene curtain
5. 38 x 64 mm curtain frame
6. 38 x 140 x 4200mm stiffener
7. 38 x 89mm frame, rabbet 63mm for sliding 10mm plywood panel
8. reinforced polyethylene curtain, attach by wrapping and stapling to (4)
9. 9.5 mm plywood
10. 19 x 89mm
11. 38 x 140mm frame, rabbet 25 mm for sliding 9.5mm plywood panel
12. 38 x 140 x 600mm scab at pole
13. 150mm top dia. pressure treated pole @ 4200mm
14. fixed in place reinforced polyethylene curtain (see sheet 1 note (14))
15. hinged reinforced polyethylene curtain (see sheet 1 for details)
16. 4200 x 1200mm removable winter panel with 9.5mm plywood
17. 1200 x 925mm sliding plywood panel
18. 38 x 140mm guard planking
19. 10M x 1900mm rebars between poles
20. reinforced concrete infill panel, must be free to slide vertically with frost
21. 38 x 140mm wall girt, bolt with 1/2" x 100mm bolts and 75 x 75mm washers recessed
22. outside turnbuttons to secure (15) closed in winter
23. 19 x 38mm stiffener each end



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STRUCTURAL DETAILS

(not to scale)

DESIGNED <i>JET</i>	DATE 80-01	PLAN
DRAWN <i>J.G.L./A.M.</i>	REVISED	M-4111
TRACED	DETAIL NUMBER A	SHEET 3 OF 3
CHECKED <i>JET</i>	ORIGINATES ON SHEET B	
	DRAWN ON SHEET C	