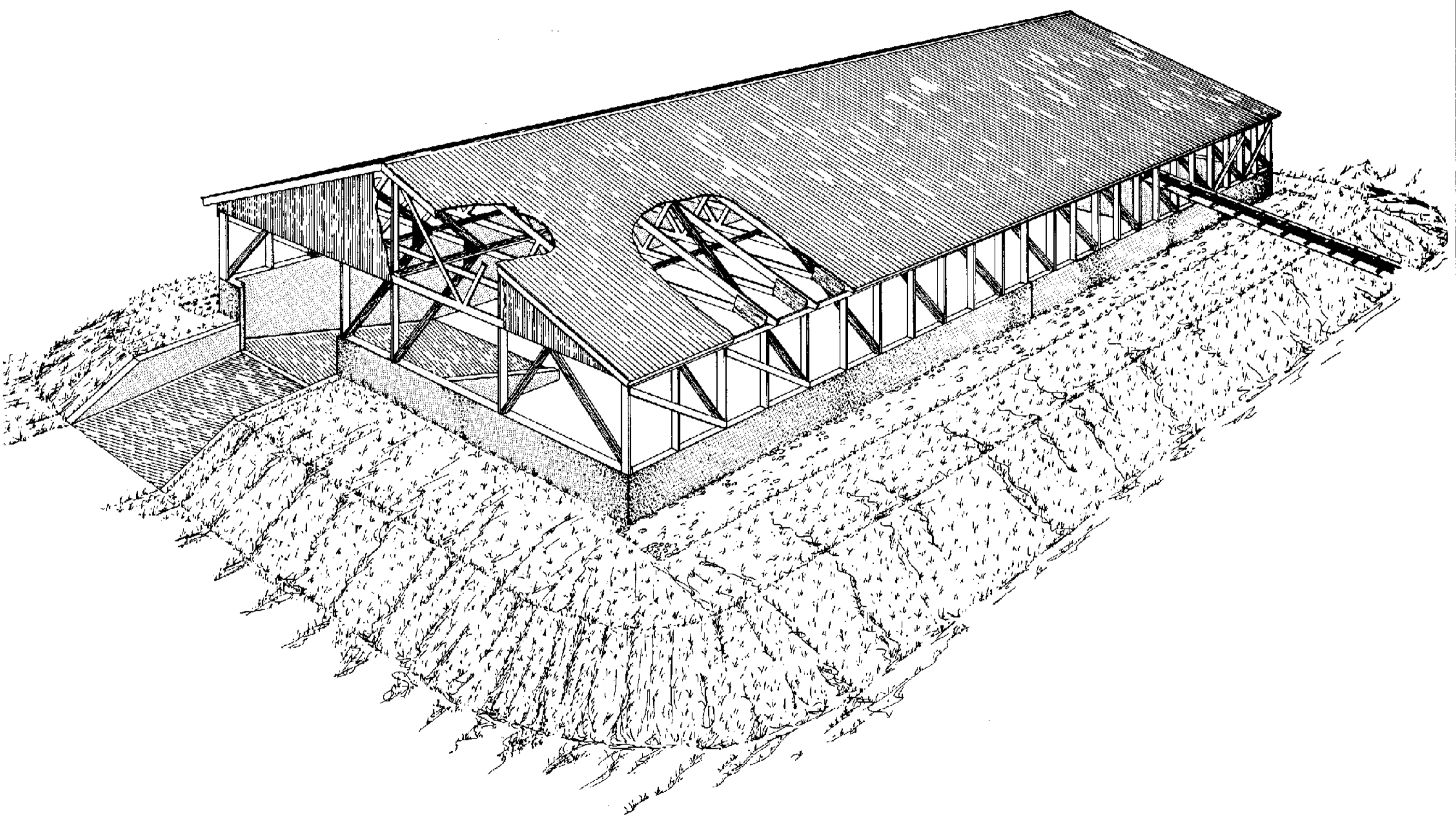


- 1 include leaflet M-2705 for management information
- 2 attach roof truss plan to suit local design loads, 12000 mm span, double sloped



LIST OF DRAWINGS

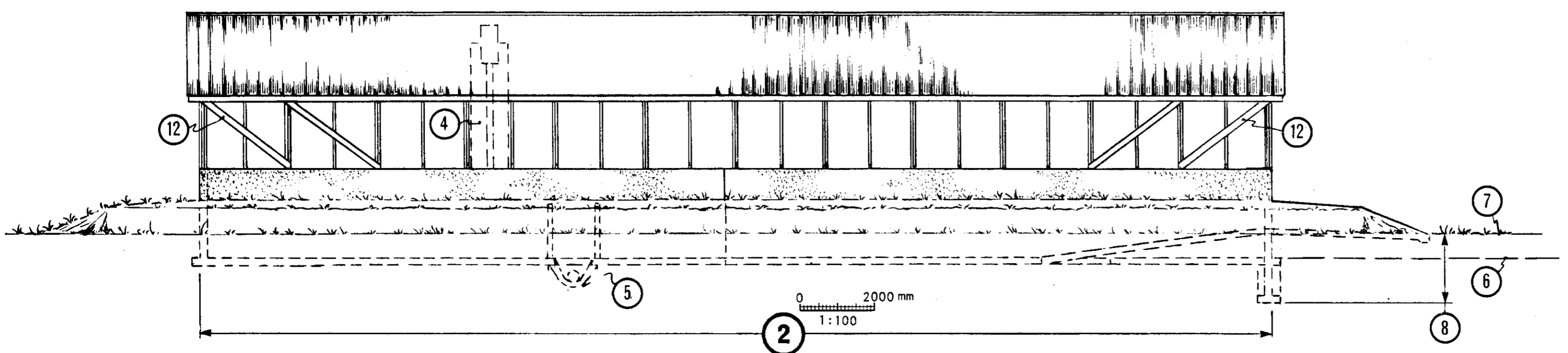
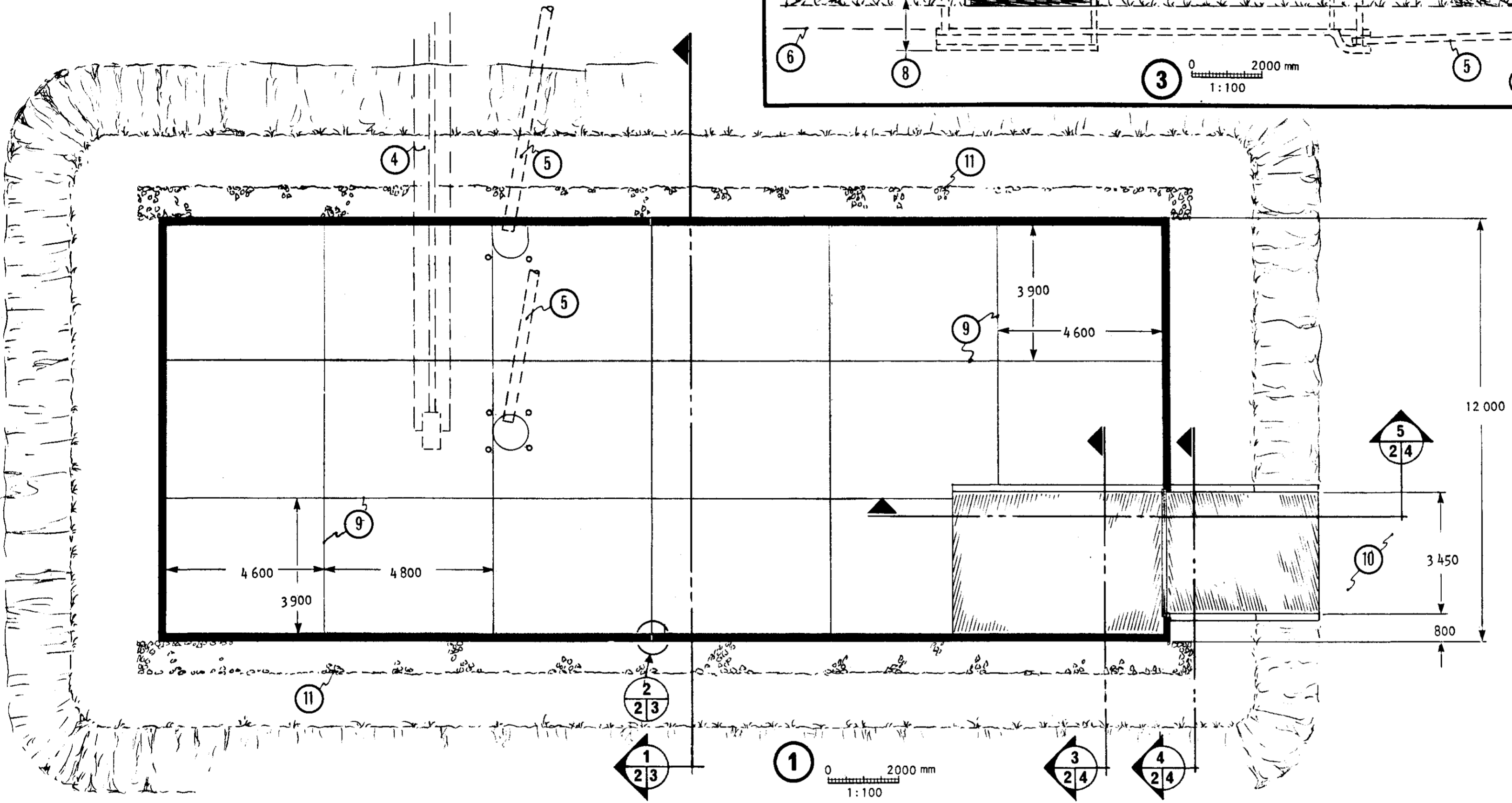
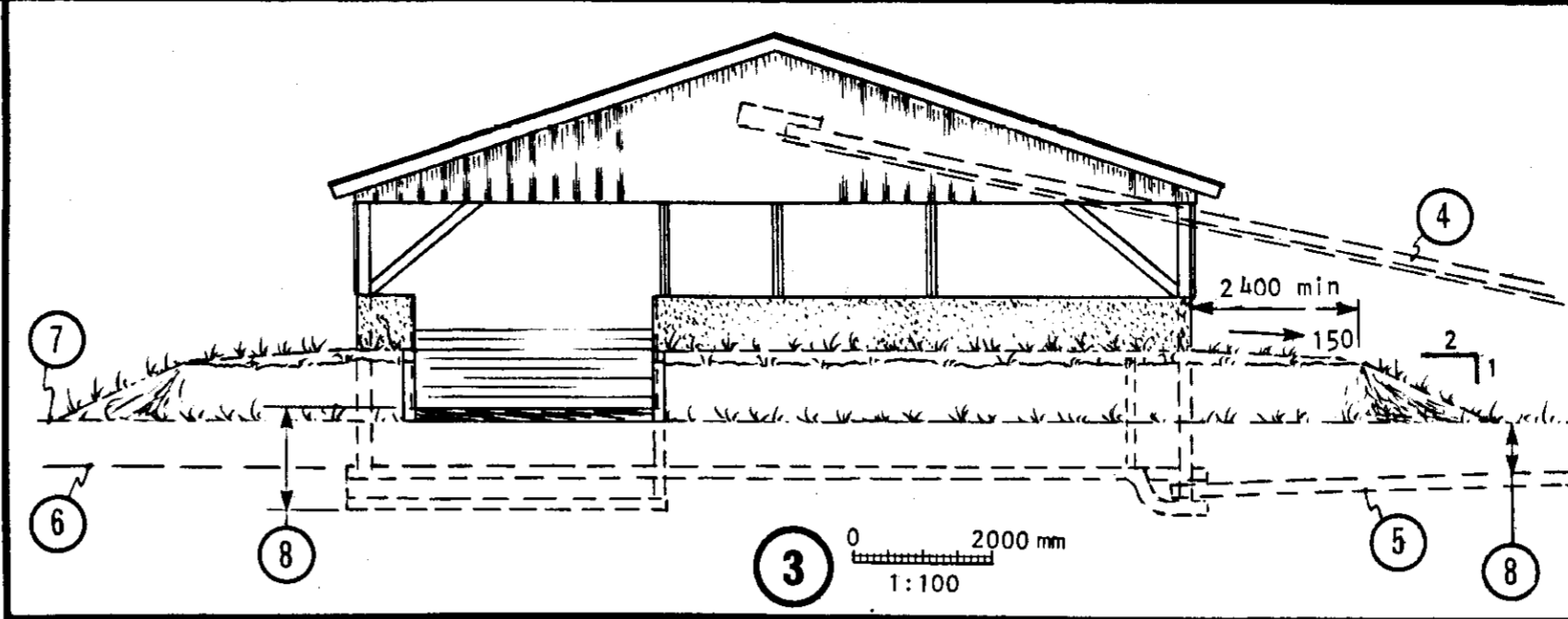
sheet no.	title
1	RECTANGULAR ROOFED STORAGE FOR SEMI-SOLID MANURE
2	PLAN VIEW and ELEVATIONS
3	SECTIONS & DETAILS
4	RAMP DETAILS

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.

revised, re-numbered (was 2377)				
SVM	REVISIONS	CHECKED	DATE	APPROVED


	RECTANGULAR ROOFED STORAGE FOR SEMI-SOLID MANURE
	PLAN

DESIGNED JET	DATE NOV 77	PLAN
DRAWN LEO BLAIS	REVISED	
TRACED	DETAIL NUMBER	M-2705
CHECKED H.A.J.	ORIGINATES ON SHEET	
	DRAWN ON SHEET	SHEET 1 OF 4

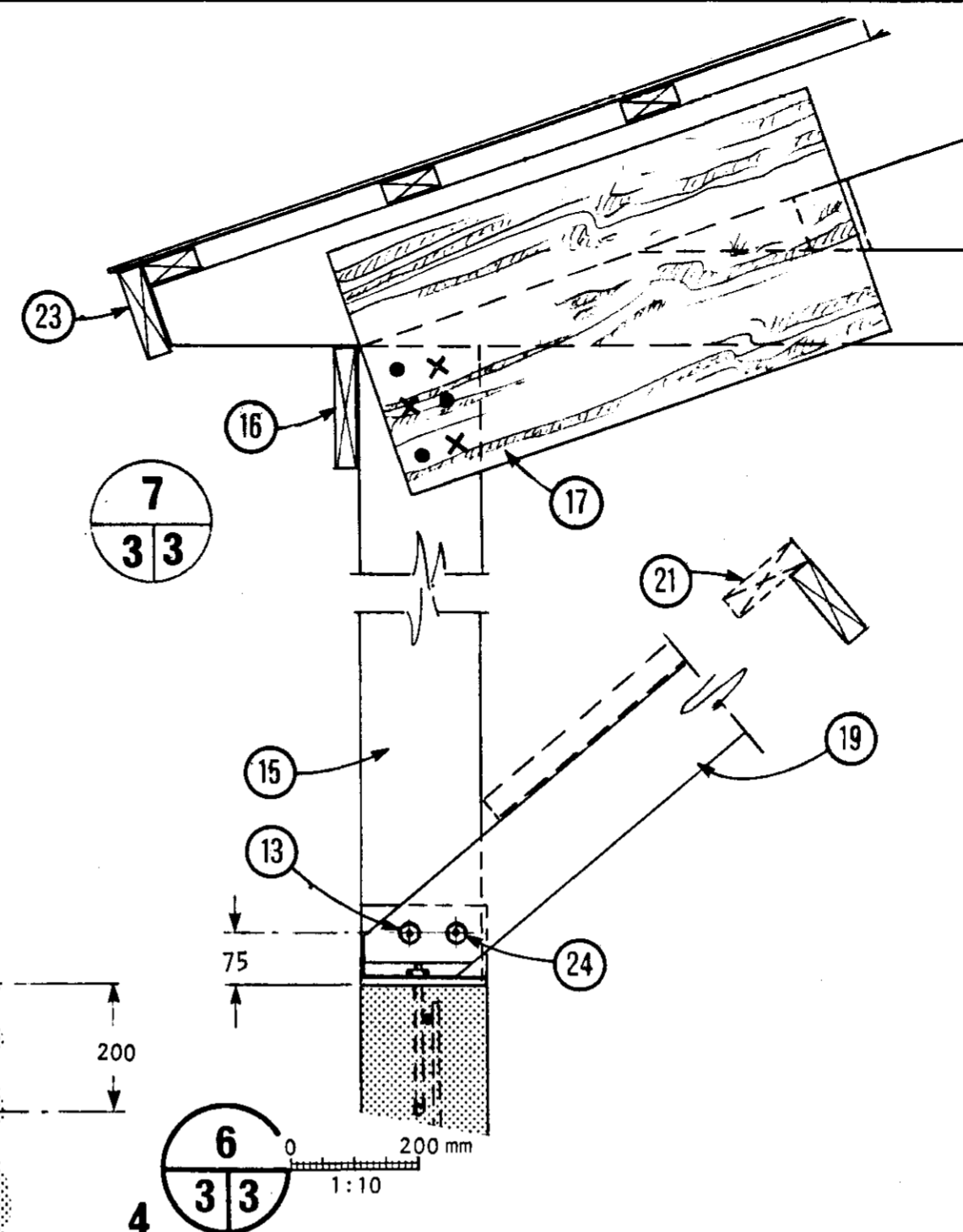
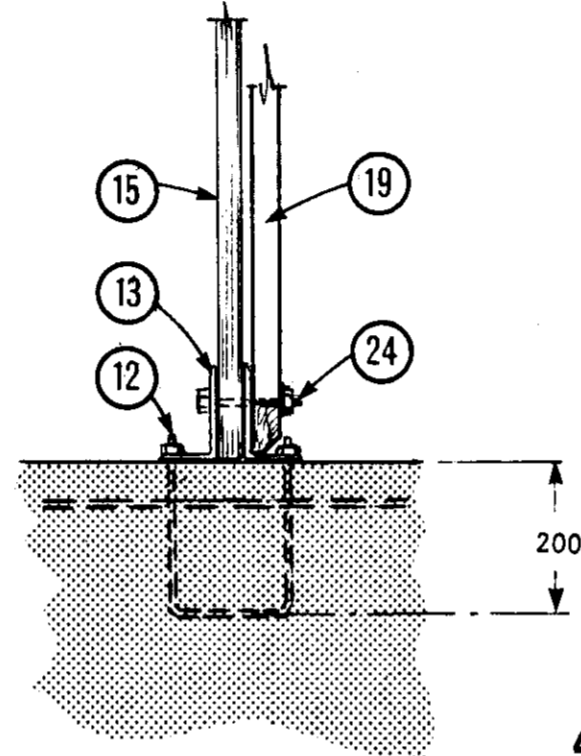
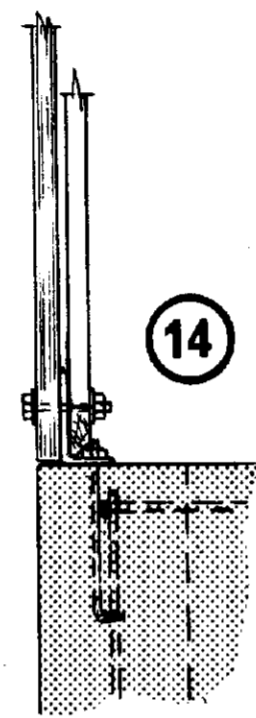
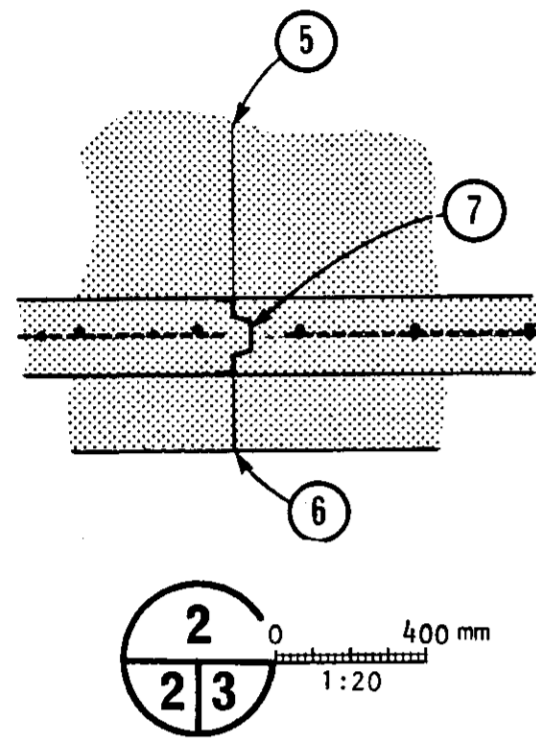


- 1 plan view
- 2 side elevation, length in multiples of 1200 mm
- 3 ramp end elevation
- 4 gutter cleaner elevator (locate between trusses)
OR
- 5 pipe from plunger type manure pump into sump with guard posts, see sheet 3 note 26
- 6 datum line at floor
- 7 original grade
- 8 footings and manure pipe to below frost; footing at entrance ramp may require extra depth for frost heave protection
- 9 crack-control joints, make by sawing or grooving concrete to 25 mm deep
- 10 paved or gravel driveway
- 11 900 x 100 mm course gravel splashpad under eaves
- 12 2 - 38 x 184 diagonal brace outside studs at corners

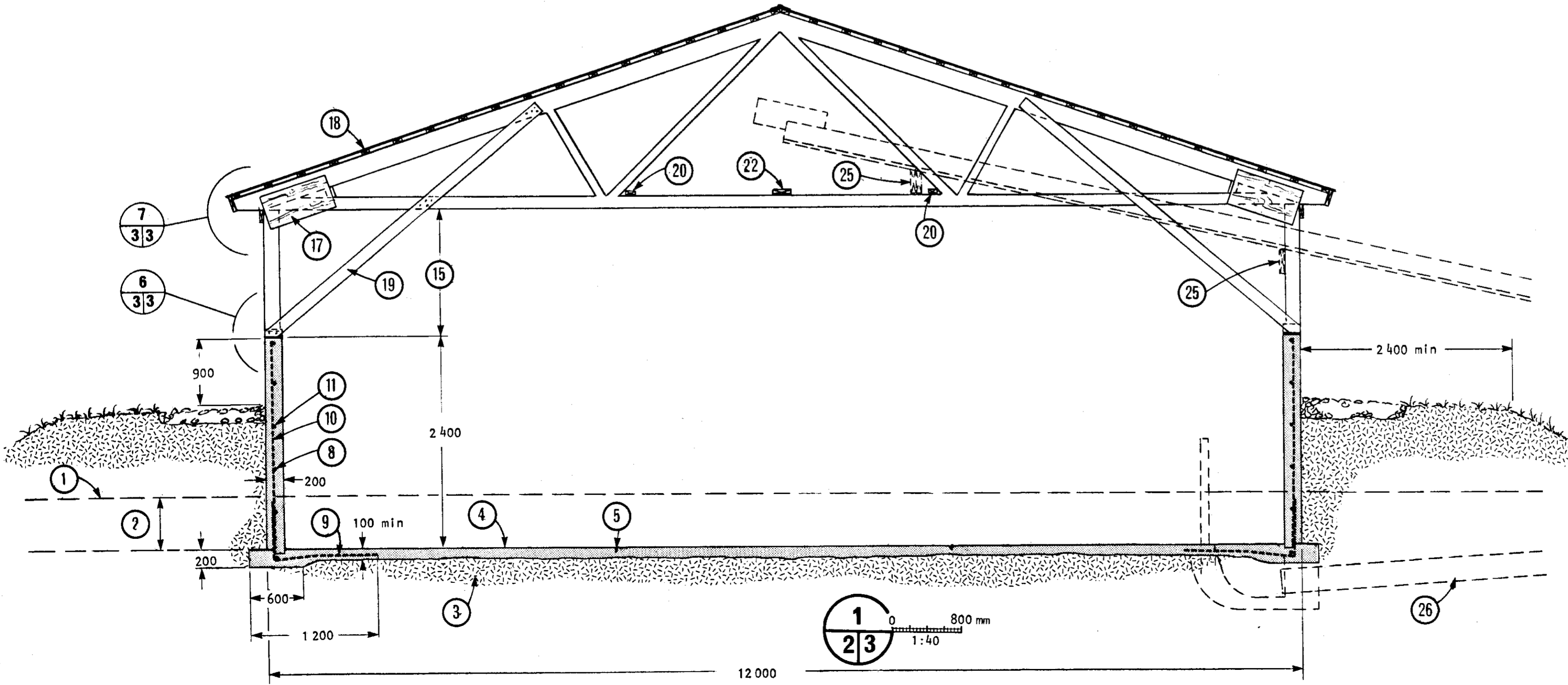
SYM	REVISIONS	CHECKED	DATE	APPROVED


 PLAN VIEW and ELEVATIONS

DESIGNED <i>JET</i>	DATE NOV 77	PLAN
DRAWN LEO BLAIS	REVISED	M-2705
TRACED	DETAIL NUMBER	A
CHECKED H.A.J.	ORIGINATES ON SHEET	B
	DRAWN ON SHEET	C
		SHEET 2 OF 4



1. original grade
2. datum line at floor, 0 to 600 mm below ①
3. undisturbed soil or packed gravel
4. air entrained concrete, 20 MPa strength
5. crack-control joints, see sheet 2 note ⑨
6. crack-control joints in footing about 14 400oc in line with crack-control joints ⑤ in floor
7. crack-control joints in wall about 14 400 oc make with galvanized steel insert in form, oil to prevent bond with concrete
8. all rebars 350 MPa yield strength
9. 15 M x 1800 mm rebars bent to L, @ 300 oc
10. 15 M x 2300 mm vertical rebars @ 300 oc
11. 15 M horizontal rebars @ 450 oc, continuous except at crack-control joints ⑦
12. 15 x 600 mm threaded rod bent to U-shape 1200 oc
13. 6 x 75 x 125 mm steel angles 800 long, 13 mm holes for ⑭
14. CORNER STUD TO FOUNDATION DETAIL; 12 x 300 mm threaded rod bent to L, 6 x 75 x 125 mm steel angle 200 long with 15 mm holes for ⑭
15. 38 x 184 x 1500 mm studs @ 1200 oc; studs up to 2 700 mm long permitted as follows:
TOTAL ROOF LOAD kn/m²
38 x 184 studs #2 spruce #2 douglas fir
length ----- 5.2 ----- 7.3
1 500 ----- 3.6 ----- 5.1
1 800 ----- 2.8 ----- 4.0
2 100 ----- 2.0 ----- 2.8
2 400 ----- 1.8 ----- 2.5
16. 38 x 140 plate, continuous
17. special "A" gusset 800 x 400 mm with 3 truss gusset nails from each side thru ⑮, other gusset nailing to conform to specifications of truss used
18. trusses @ 1 200 oc, purlins 38 x 89 spaced to suit local snow load (max 600), metal roofing
19. 38 x 140 mm wind bracing @ 2 400 oc
20. 38 x 89 stiffeners, continuous at lower truss chords
21. 38 x 140 stiffeners in end wall wind bracing only
22. 38 x 184 walk plank, continuous except at ⑮
23. 38 mm face board, continuous
24. two 12 mm machine bolts, 65 long at studs only, 100 long at wind bracing ⑰
25. 3 600 support beam for gutter cleaner elevator, spans 4 trusses and/or 4 studs at side wall OR
26. 250 or 300 mm pipe below frost from plunger type manure pump, sump in floor, galvanized steel guard-post in floor; if manure is very sloppy, locate at north wall; if some bedding is to be added, pipe to center of floor



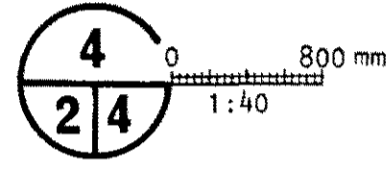
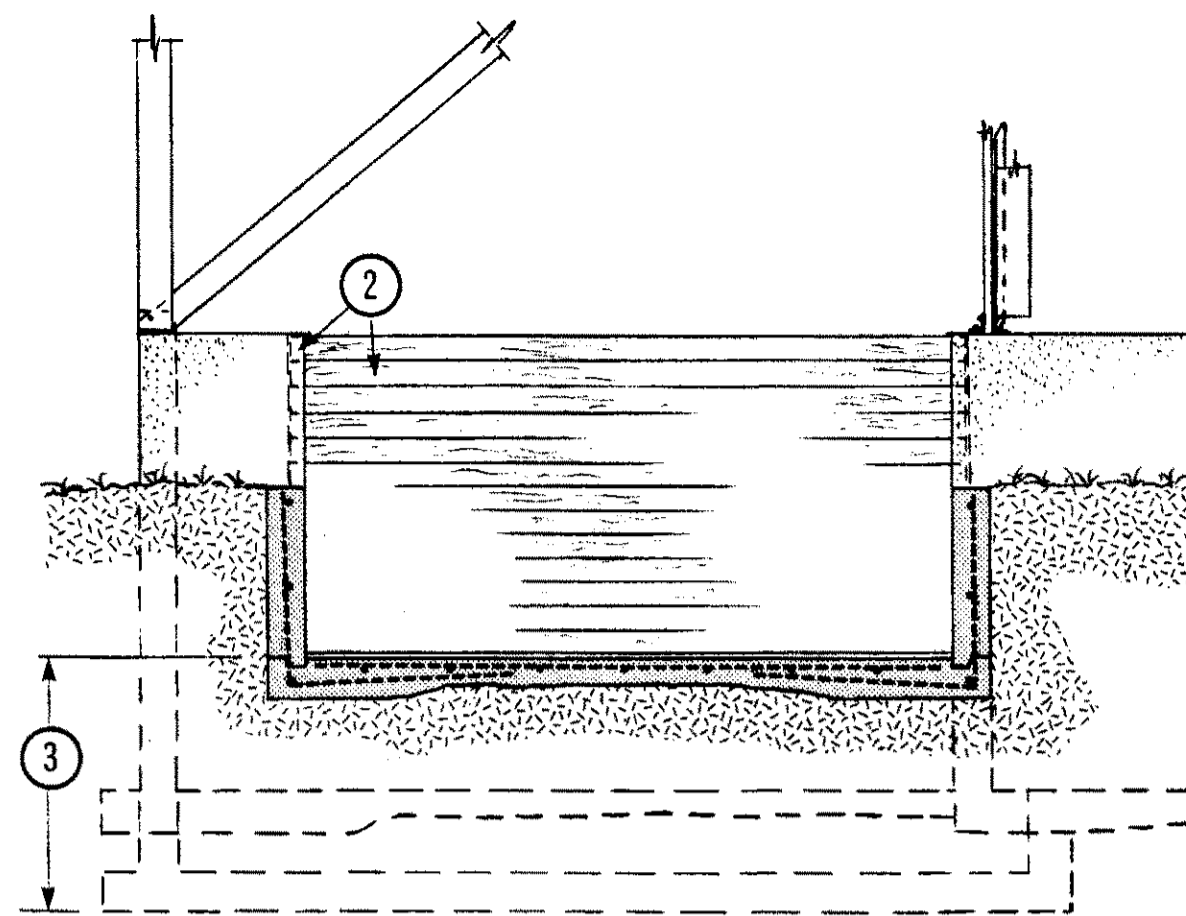
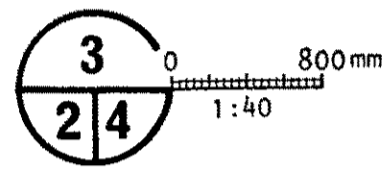
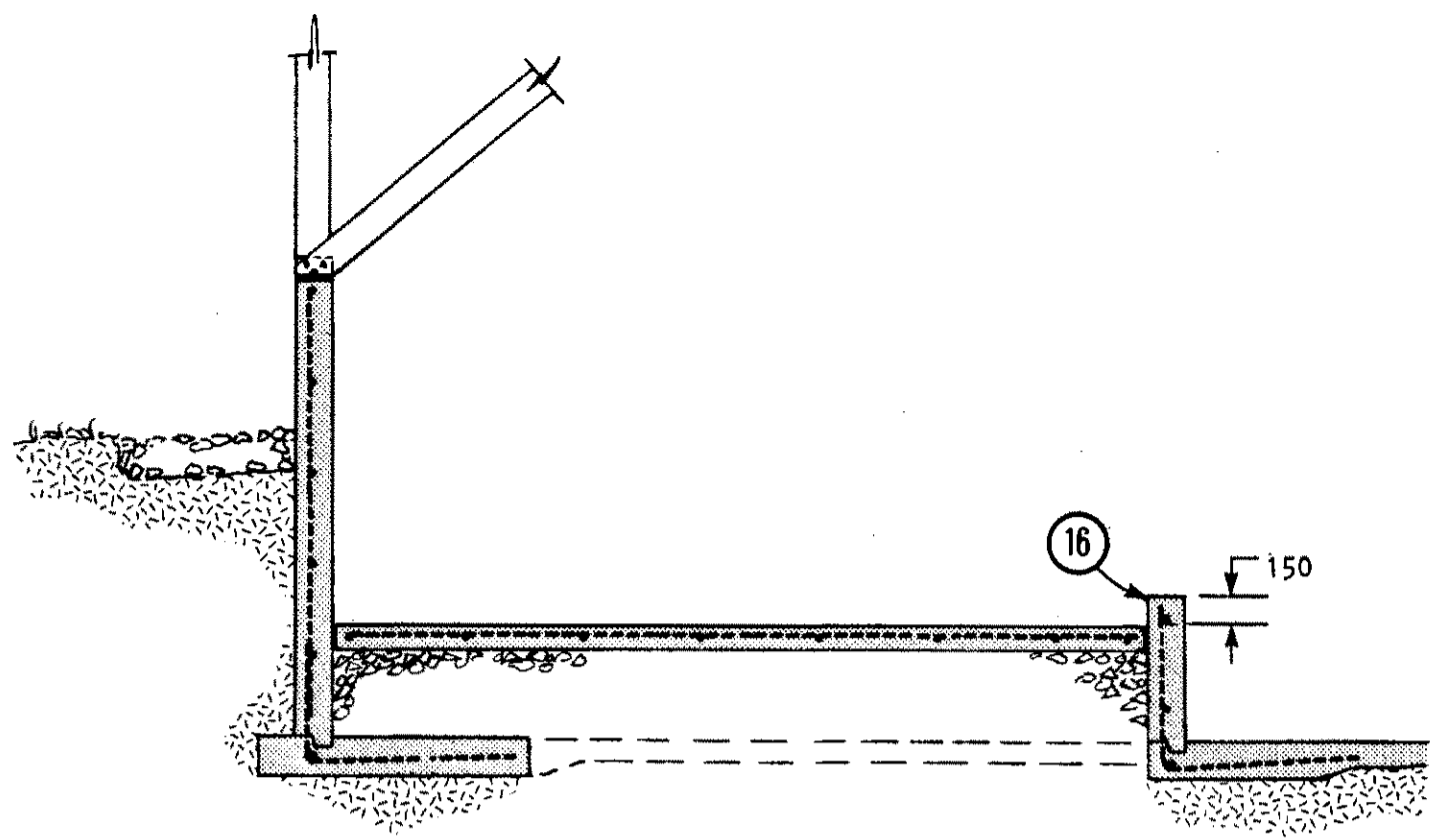
SYM	REVISIONS	CHECKED	DATE	APPROVED
DESIGNED <i>JET</i>				DATE NOV 77
DRAWN <i>LEO BLAIS</i>				REVISED
TRACED				DETAIL NUMBER <i>A</i>
CHECKED <i>H.A.J.</i>				ORIGINATES ON SHEET <i>B</i>
				DRAWN ON SHEET <i>C</i>

SECTION & DETAILS

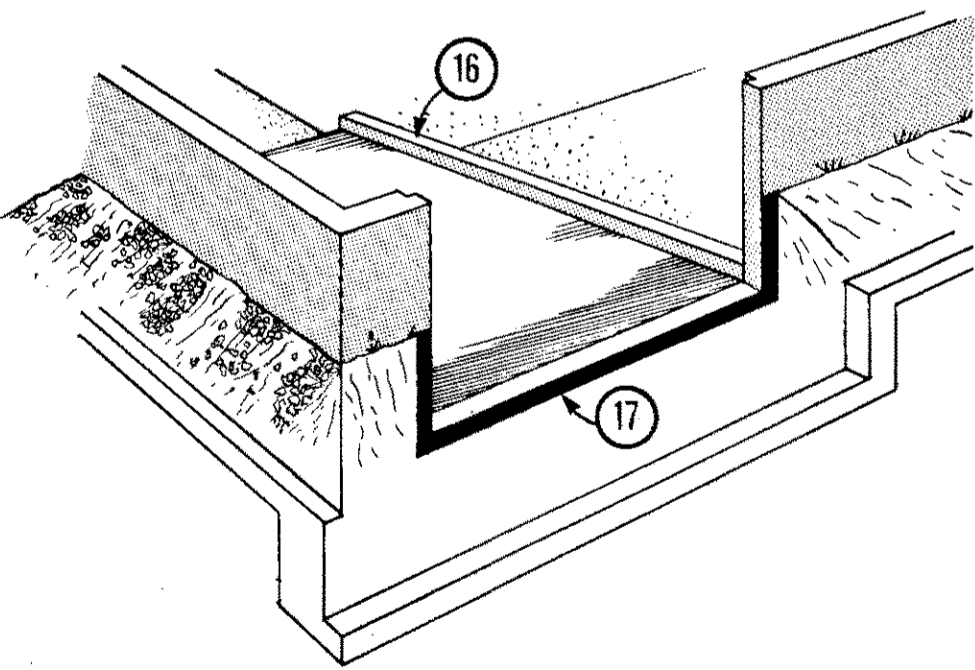
PLAN

M-2705

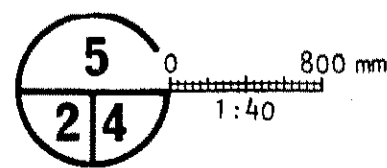
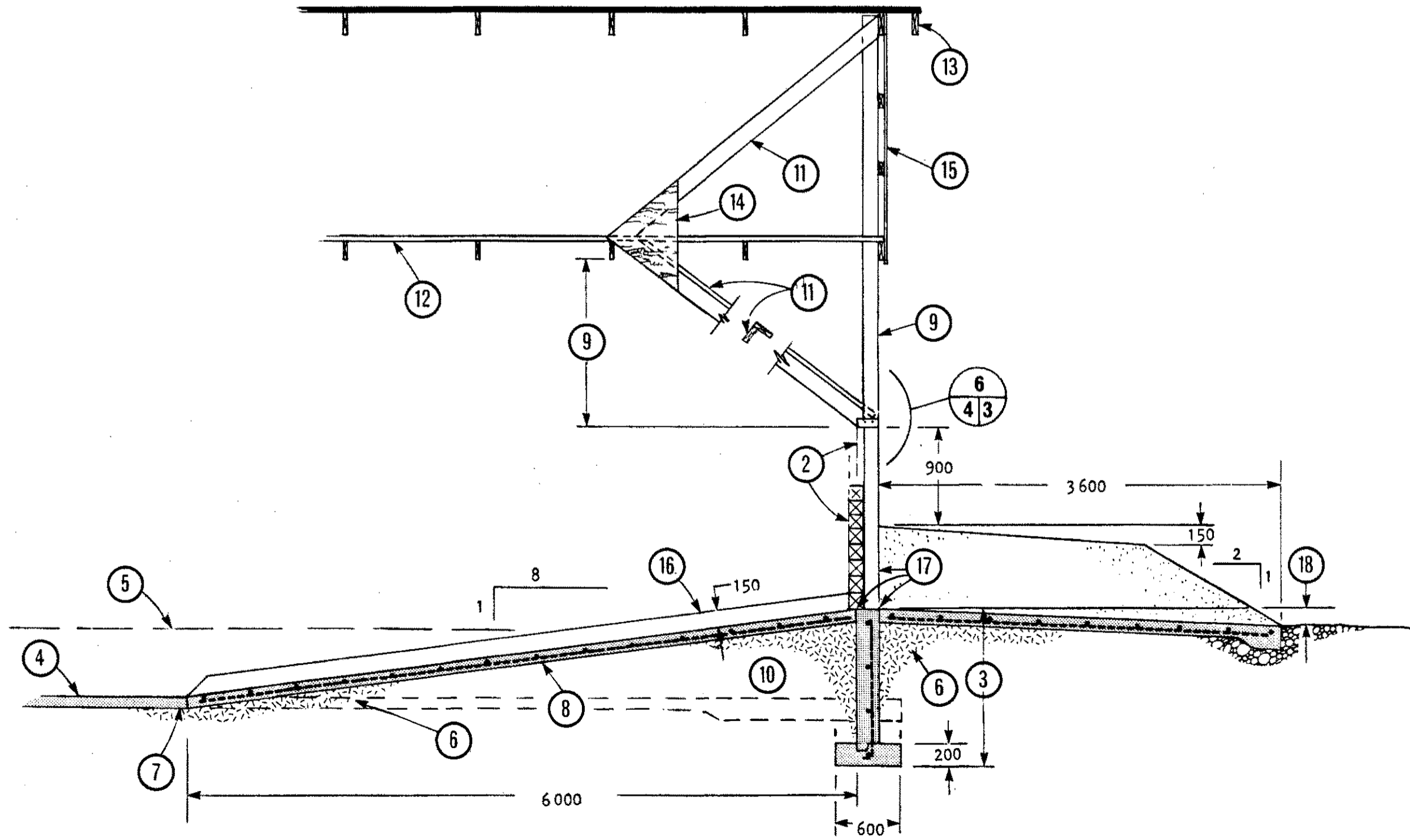
SHEET 3 OF 4



- 1 view of stepped footing and foundation wall at ramp
- 2 75 x 75 mm notch, 140 x 140 x 36 600 stop logs if required
- 3 footing steps down to below frost at ramp entrance
- 4 datum line at floor
- 5 original grade
- 6 undisturbed soil or packed gravel
- 7 100 mm min. concrete floor
- 8 ramp floor- 15 M rebar @ 450 mm oc bothways
- 9 three 38 x 184 studs continuous to top of truss, locate to line with lower chord stiffeners (12), treat butts and bolt to foundation as in (13)
- 10 compacted gravel or rubble fill
- 11 38 x 140 wind bracing @ each endwall stud
- 12 38 x 89 stiffener
- 13 38 mm faceboard, continuous
- 14 12 mm plywood gusset, one side only
- 15 cladding on outside face of truss
- 16 wheel curb continuous along ramp
- 17 bond breaker at ramp
- 18 150 mm min, may vary depending on site



1



SYM	REVISIONS	CHECKED	DATE	APPROVED

CANADA
PLAN SERVICE

RAMP DETAILS

DESIGNED <i>JET</i>	DATE NOV 77	PLAN
DRAWN <i>LEO BLAIS</i>	REVISED	M2705
TRACED	DETAIL NUMBER A	SHEET 4 OF 4
CHECKED <i>H.A.J.</i>	ORIGINATES ON SHEET B	
	DRAWN ON SHEET C	