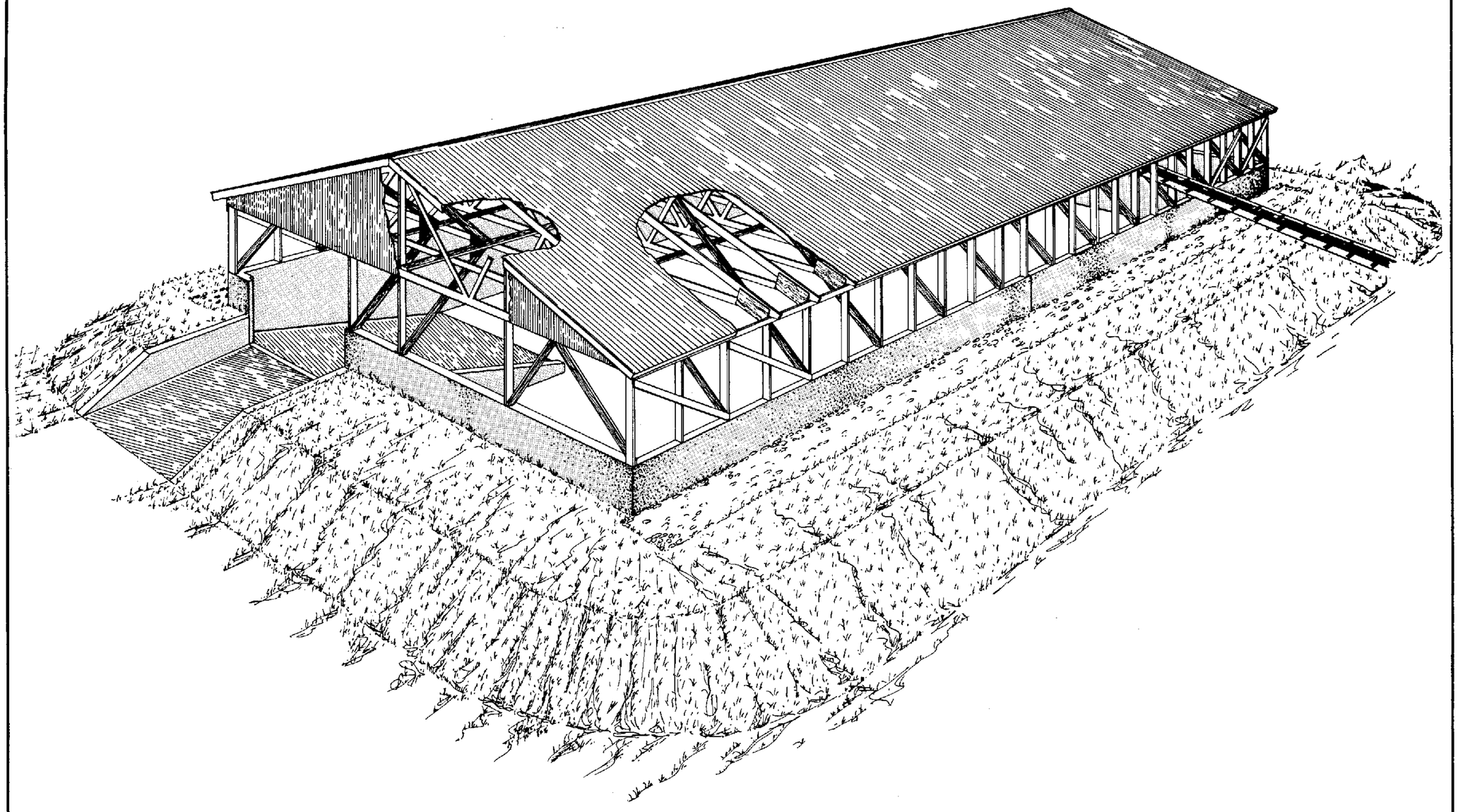


1	include leaflet M-2705 for management information
2	attach roof truss plan to suit local design loads, 12 000 mm span, double sloped

LIST OF DRAWINGS

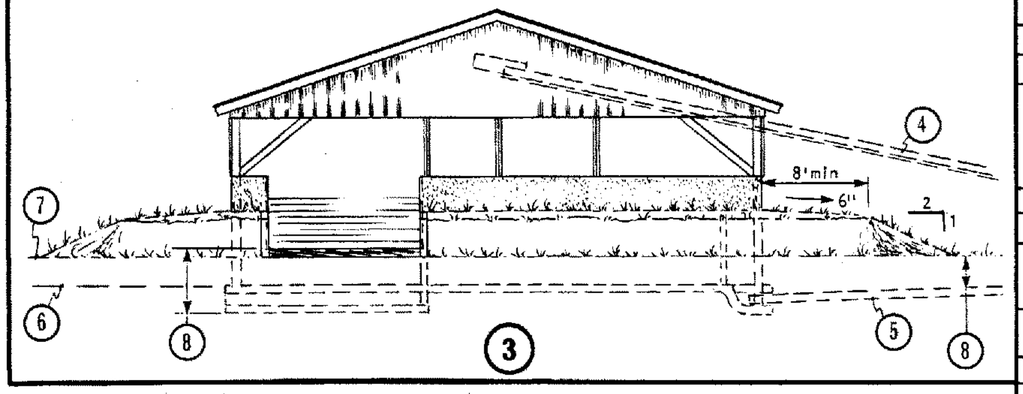
WARNING
This plan may require structural and other changes to meet local site conditions, climatic loads, user requirements and applicable building regulations (such as the Canadian Farm Building Code). Before construction, the user of this plan is responsible to ensure that all required changes are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

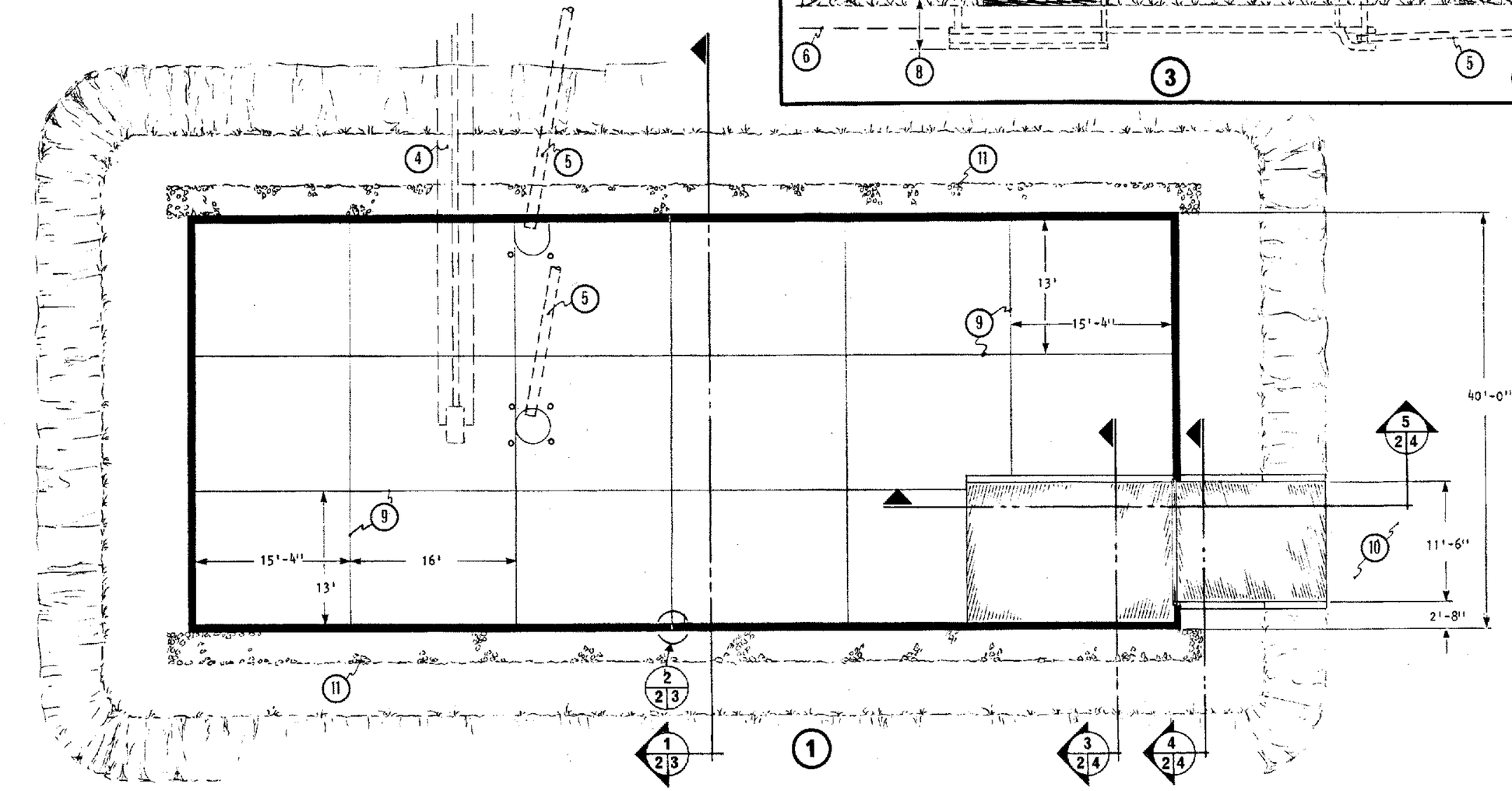
SYM	REVISIONS	CHECKED	DATE	APPROVED
	revised, re-numbered (was 2377)			

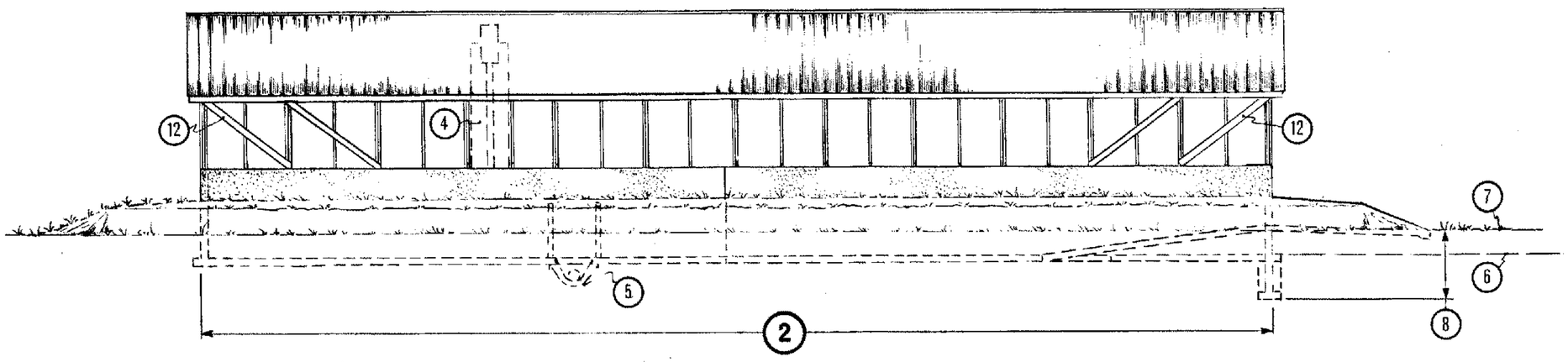
CANADA PLAN SERVICE

RECTANGULAR ROOFED STORAGE FOR SEMI-SOLID MANURE

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







1	plan view
2	side elevation, length in multiples of 4'-0"
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 1" deep
10	paved or gravel driveway
11	3'-0"x 4" course gravel splashpad under eaves
12	2 - 2"x 8" diagonal brace outside studs at corners

SYM	REVISIONS	CHECKED	DATE	APPROVED

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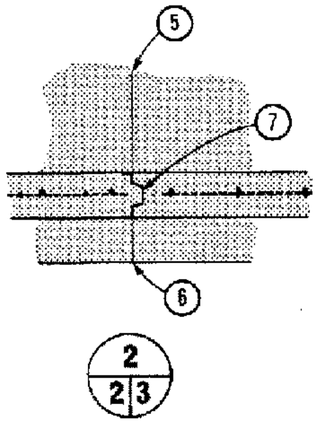
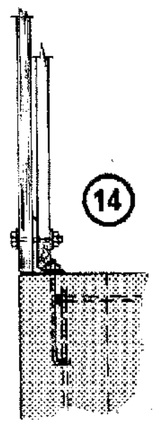
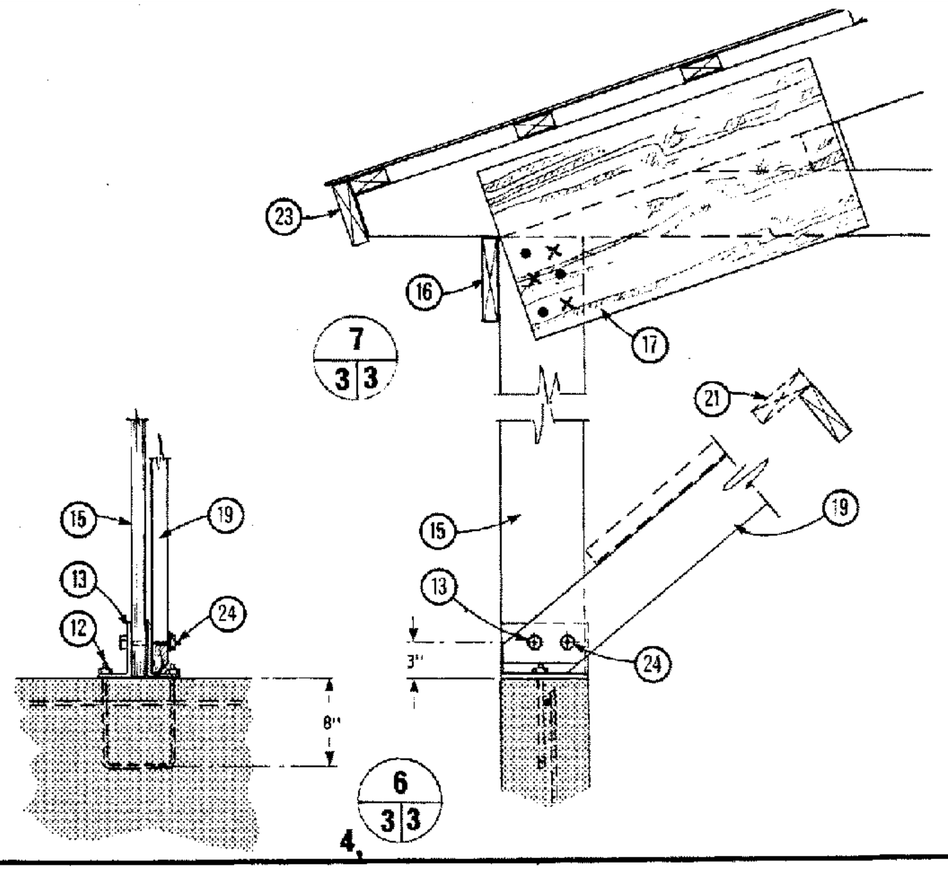
PLAN VIEW and ELEVATIONS (not to scale)

DESIGNED JET	DATE NOV 77	PLAN 2705
DRAWN Leo Blais	REVISED	
TRACED	DETAIL NUMBER ORIGINATES ON SHEET DRAWN ON SHEET A B C	SHEET 2 OF 4
CHECKED H.A.J.		



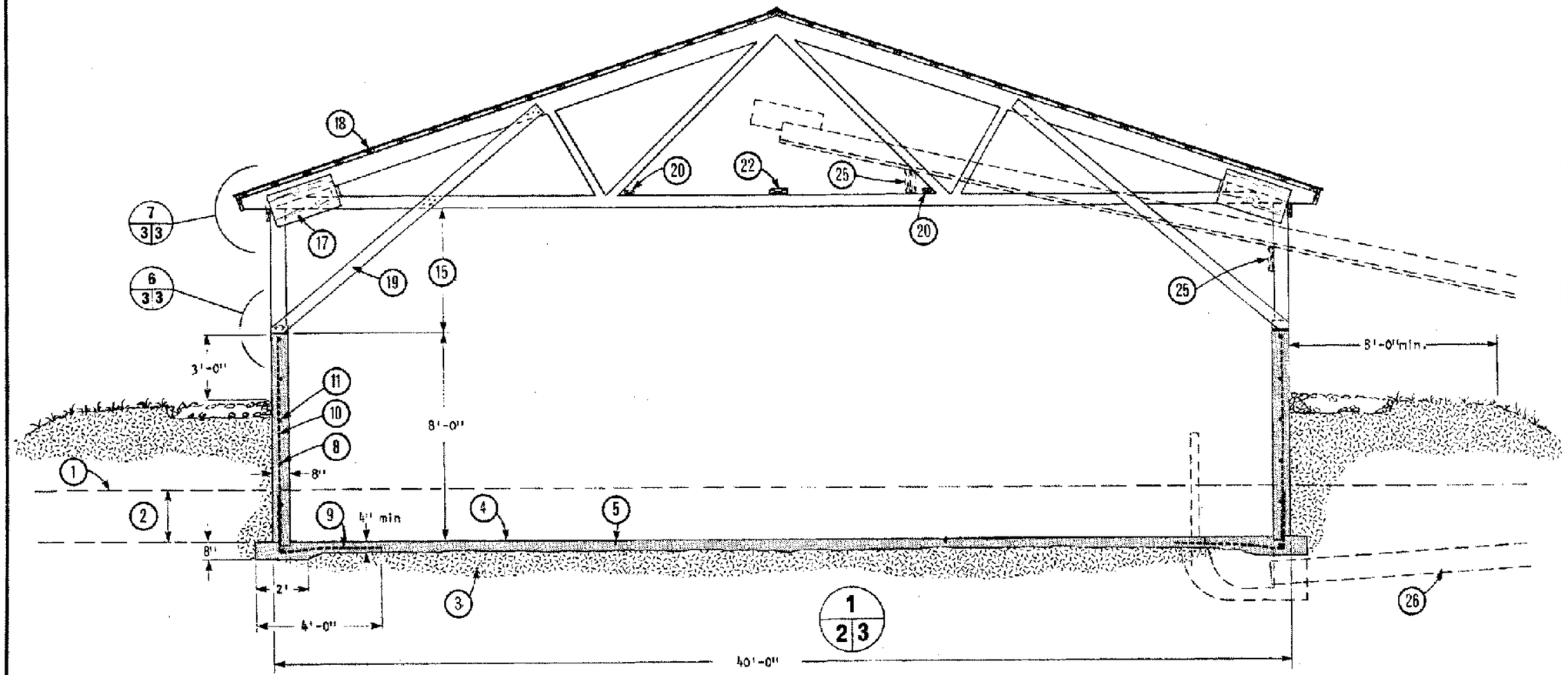




1.	original grade
2.	datum line at floor, 0 to 2' below (1)
3.	undisturbed soil or packed gravel
4.	air entrained concrete, 3,000 psi strength
5.	crack-control joints, see sheet 2 note (9)
6.	crack-control joints in footing not over 48' oc in line with crack-control joints (5) in floor
7.	crack-control joints in wall not over 48' oc make with galvanized steel insert in form, oil to prevent bond with concrete
8.	all rebars 50,000 psi yield strength
9.	#5 x 6' rebars bent to L, @ 12" oc
10.	#5 x 7'-8" vertical rebars @ 12" oc
11.	#5 horizontal rebars @ 18" oc, continuous except at crack-control joints (7)
12.	¾" x 24" threaded rod bent to U-shape @ 4' oc
13.	two ¼" x 3" x 5" steel angles 8" long, 9/16" holes for (24)
14.	CORNER STUD TO FOUNDATION DETAIL; ¾" x 12" threaded rod bent to L, ¼" x 3" x 5" steel angle 8" long with 9/16" holes for (24)
15.	2"x 8"x 5' (min) studs @ 4' oc; studs up to 9' long permitted as follows: TOTAL ROOF LOAD (psf)

2" x 8" studs length	#2 spruce	#2 douglas fir
5'	104	146
6'	72	101
7'	56	79
8'	40	56
9'	35	49

16.	2" x 6" plate, continuous
17.	special "A" gusset 32" x 16" with 3 truss gusset nails from each side thru (15), other gusset nailing to conform to specifications of truss used
18.	40'-0" truss @ 4' oc (see leaflet 9100, roof trusses) 2" x 4" purlins spaced to suit local snow load (2' max.) and metal roofing
19.	2" x 6" wind bracing @ 8' oc
20.	2" x 4" stiffeners, continuous at lower truss chords
21.	2" x 6" stiffeners in end wall wind bracing only
22.	2" x 8" walk plank, continuous except @ (25)
23.	2" face board, continuous
24.	two ½" machine bolts, 2½" long at studs only, 4" long at wind bracing (19)
25.	12' support beam for gutter cleaner elevator, spans 4 trusses and/or 4 studs at side wall OR
26.	10" or 12" 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



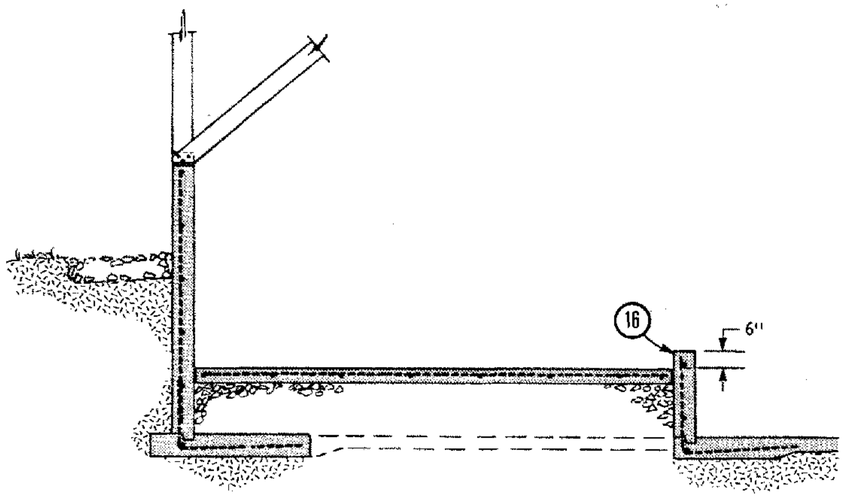
SYM	REVISIONS	CHECKED	DATE	APPROVED

CANADA PLAN SERVICE

SECTION & DETAILS

(not to scale)

DESIGNED JET	DATE NOV 77	PLAN 2705
DRAWN Leo Blais	REVISED	
TRACED	DETAIL NUMBER ORIGINATES ON SHEET A, DRAWN ON SHEET B, C	SHEET 3 OF 4
CHECKED H.A.J.		



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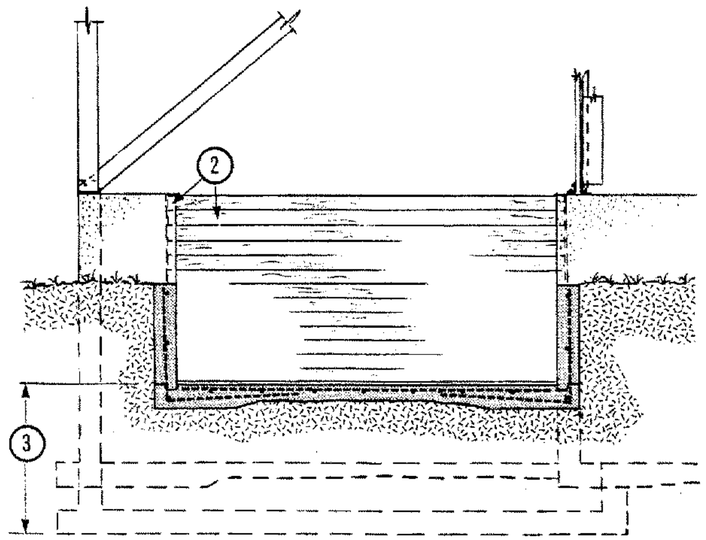
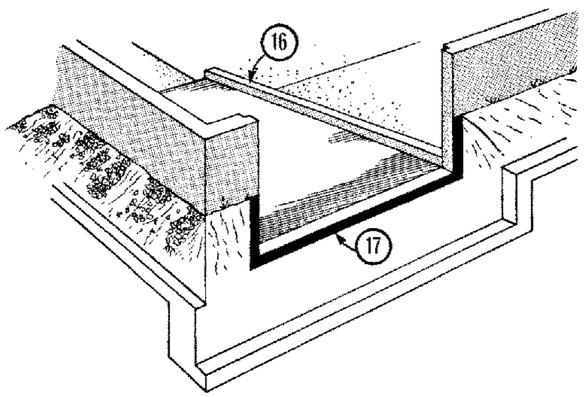
2 4



4
2 4

1	view of stepped footing and foundation wall at ramp
2	3" x 3" notch, 6" x 6" x 12' 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	4" min. concrete floor
8	ramp floor- #4 rebars @ 18" oc bothways
9	three 2" x 8" studs continuous to top of truss, locate to line with lower chord stiffeners (12), treat butts and bolt to foundation as in 6/3 4
10	compacted gravel or rubble fill
11	2" x 6" wind bracing @ each endwall stud
12	2" x 4" stiffener
13	2" faceboard (continuous)
14	1/2" plywood gusset, one side only
15	cladding on outside face of truss
16	wheel curb continuous along ramp
17	bond breaker at ramp
18	6" min, may vary depending on site



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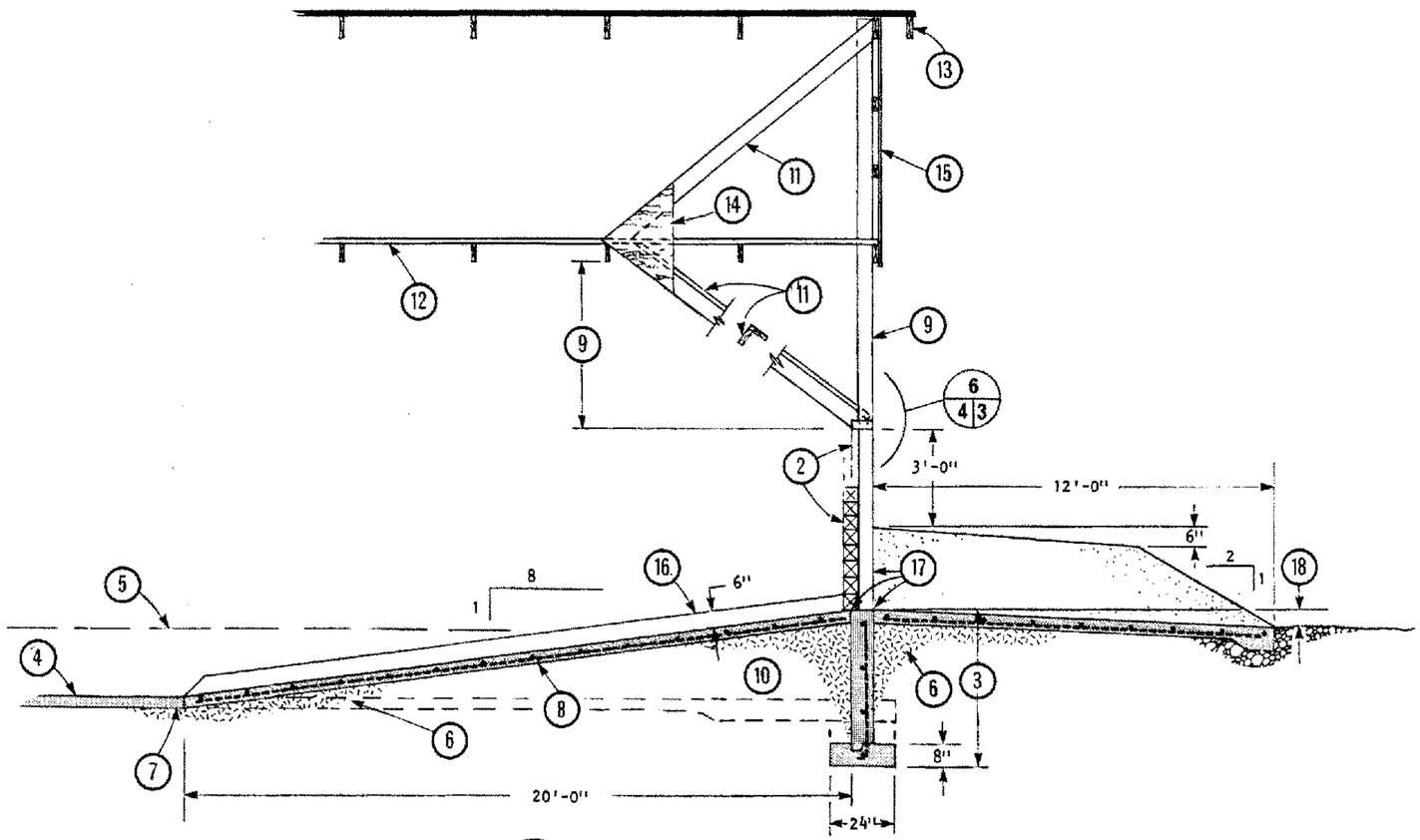

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2 4

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CANADA PLAN SERVICE

RAMP DETAILS

(not to scale)

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