

- 1 floor plan
- 2 pole selection chart
- 3 12'-0" long pressure-treated poles, see [2]
- 4 exterior wall construction; see [17] sht. 2
- 5 4" concrete floor on compacted gravel fill, slope 2" in pens to gutter
- 6 5" x 2" gutter
- 7 open ridge vent, stops 4'-0" from each end wall, soak exposed truss joints (upper and lower chord) with wood preservative
- 8 individual calf pens, see 2834 for details, partitions removable for making group pens
- 9 3'-0" x 6'-8" door
- 10 5'-0" x 3'-0" x 4" conc. pad at door

#### SPECIFICATIONS

Unless otherwise specified, all cast-in-place concrete is to be min. 4,000 psi @ 28 days, 6% air entrained.

All reinforcing steel to be min. Grade 300 deformed bars; provide 2" concrete cover over reinforcing steel.

All exposed steel to be galvanized or painted to resist corrosion from moisture and manure gases.

All wood indicated 'pressure-treated' is CCA pressure-treated to a net retention of 0.4 lb/ft<sup>3</sup> (ground contact specification, CSA-080 Wood Preservation).

All nails exposed to treated wood, humid atmosphere or weather to be hot-dip galvanized.

All untreated framing lumber is No. 2 (or better), S-P-F species group, unless otherwise specified.

This plan is designed to meet the requirements of the Canadian Farm Building Code.

Notes thus marked indicate where this plan gives structural choices to be selected to meet local climatic loads (wind, snow), soil bearing capacity and other site conditions. The plan user must ensure that these requirements are met. Consult an engineer if you are not familiar with the details required.

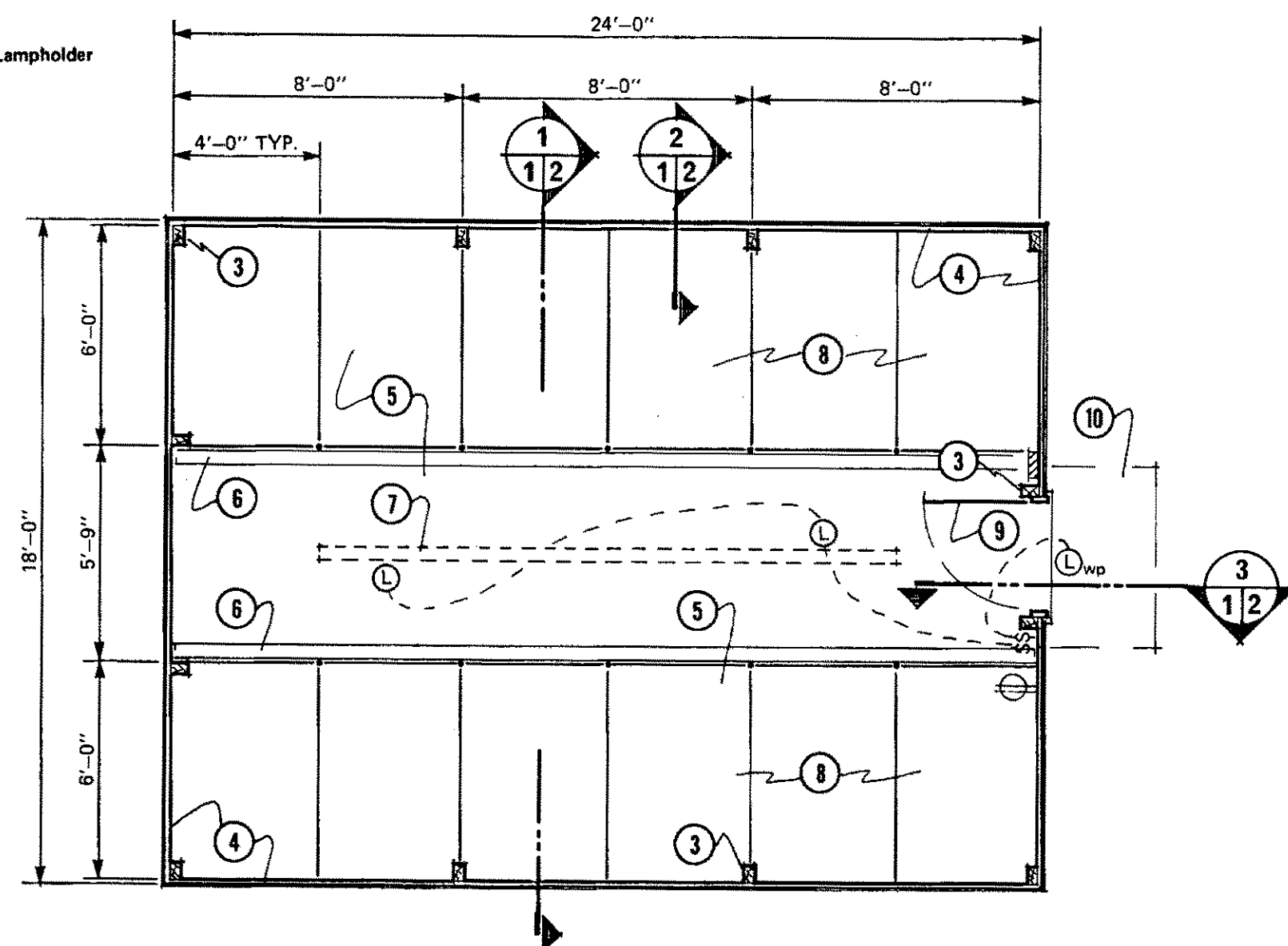
#### ONE SET OF DRAWINGS AND LEAFLETS SHOULD INCLUDE:

CPS no.	sheet no.	Title
2342	-1-	Cold calf nursery
2342	-2-	Cross and wall sections

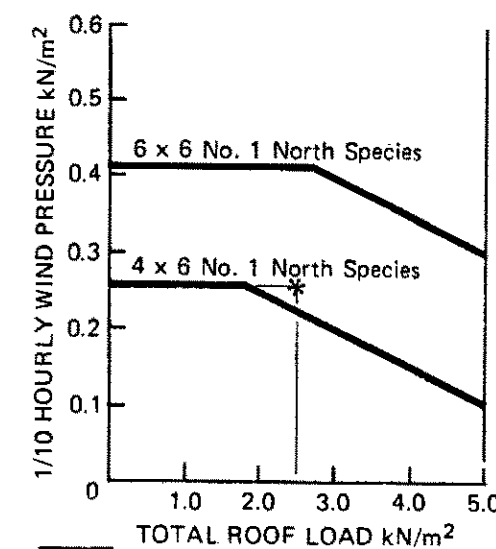
AND LEAFLETS		
2342		Cold calf nursery
2834		Individual calf pen
M-9102		Truss erection and bracing

#### ELECTRICAL

ceiling	wall	
(L)	(L)	Incandescent Lampholder
(L <sub>wp</sub> )	(L <sub>wp</sub> )	Weatherproof Incandescent Lampholder
(⊖)	(⊖)	Duplex Convenience Outlet
(⊖)	(⊖)	Single Pole Switch
(⊖)	(⊖)	Distribution Panel



1



2

EXAMPLE Select poles for snow and wind loads at Granby, Quebec (ground snow 2.7 kN/m<sup>2</sup>; 1/10 hourly wind pressure 0.26 kN/m<sup>2</sup>).

If the roof is not exposed to wind, total roof load is:

$$0.8 \times 2.7 \text{ (snow)} + 0.3 \text{ (dead)} = 2.46 \text{ kN/m}^2$$

Enter pole chart [2] at 2.46 kN/m<sup>2</sup> total roof load and 0.26 kN/m<sup>2</sup> wind pressure (see \*). Using No. 1 North Species lumber (red pine, for example), select 6 x 6 poles.

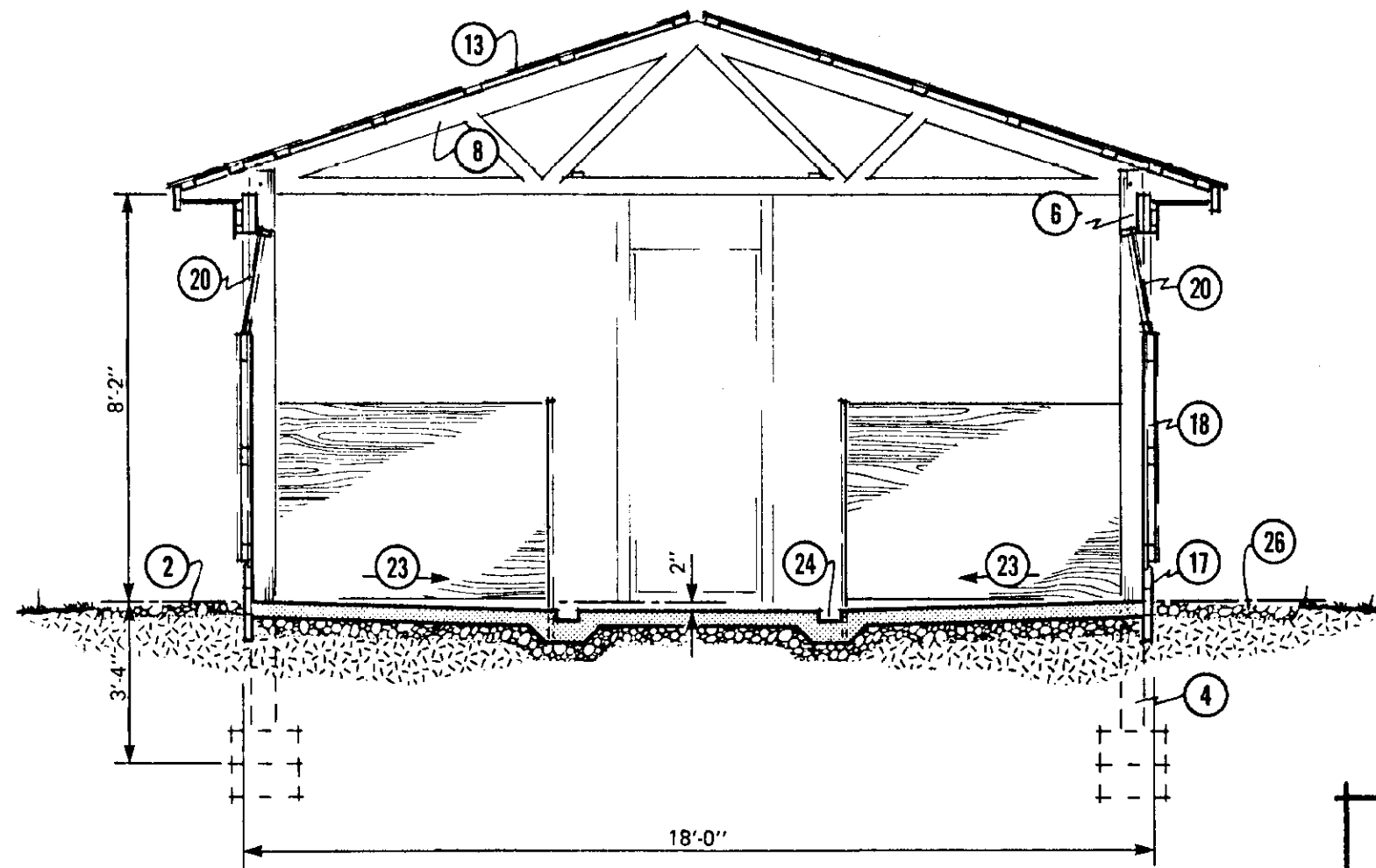
SYM	REVISIONS	CHECKED	DATE	APPROVED

CANADA  
PLAN SERVICE

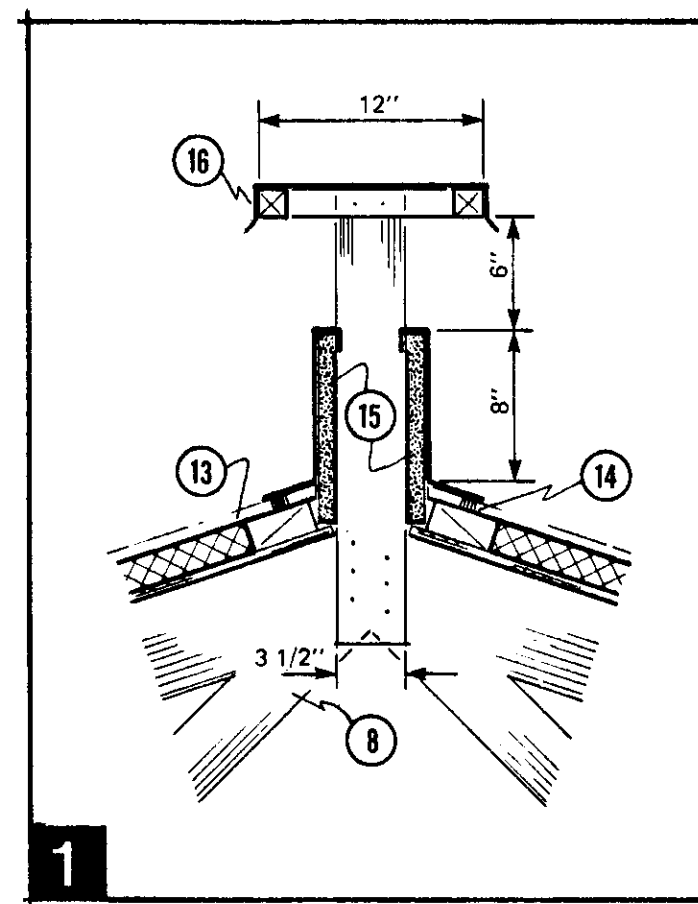
COLD CALF NURSERY

(not to scale)

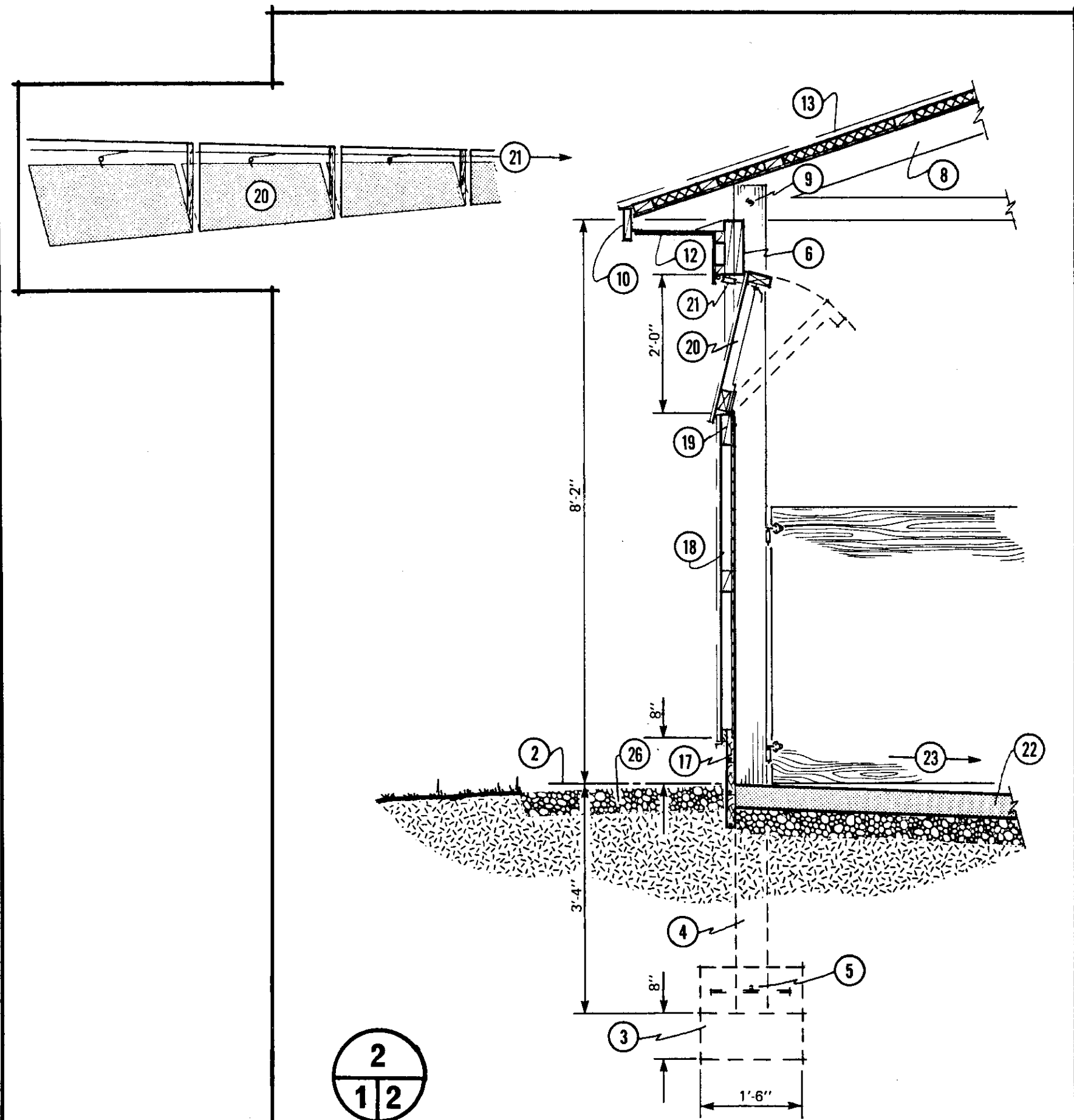
DESIGNED JAM	DATE 86-07	PLAN
DRAWN R. PELLA	REVISED	
TRACED	DETAIL NUMBER A	2342
CHECKED JET	ORIGINATES ON SHEET B	
	DRAWN ON SHEET C	SHEET 1 OF



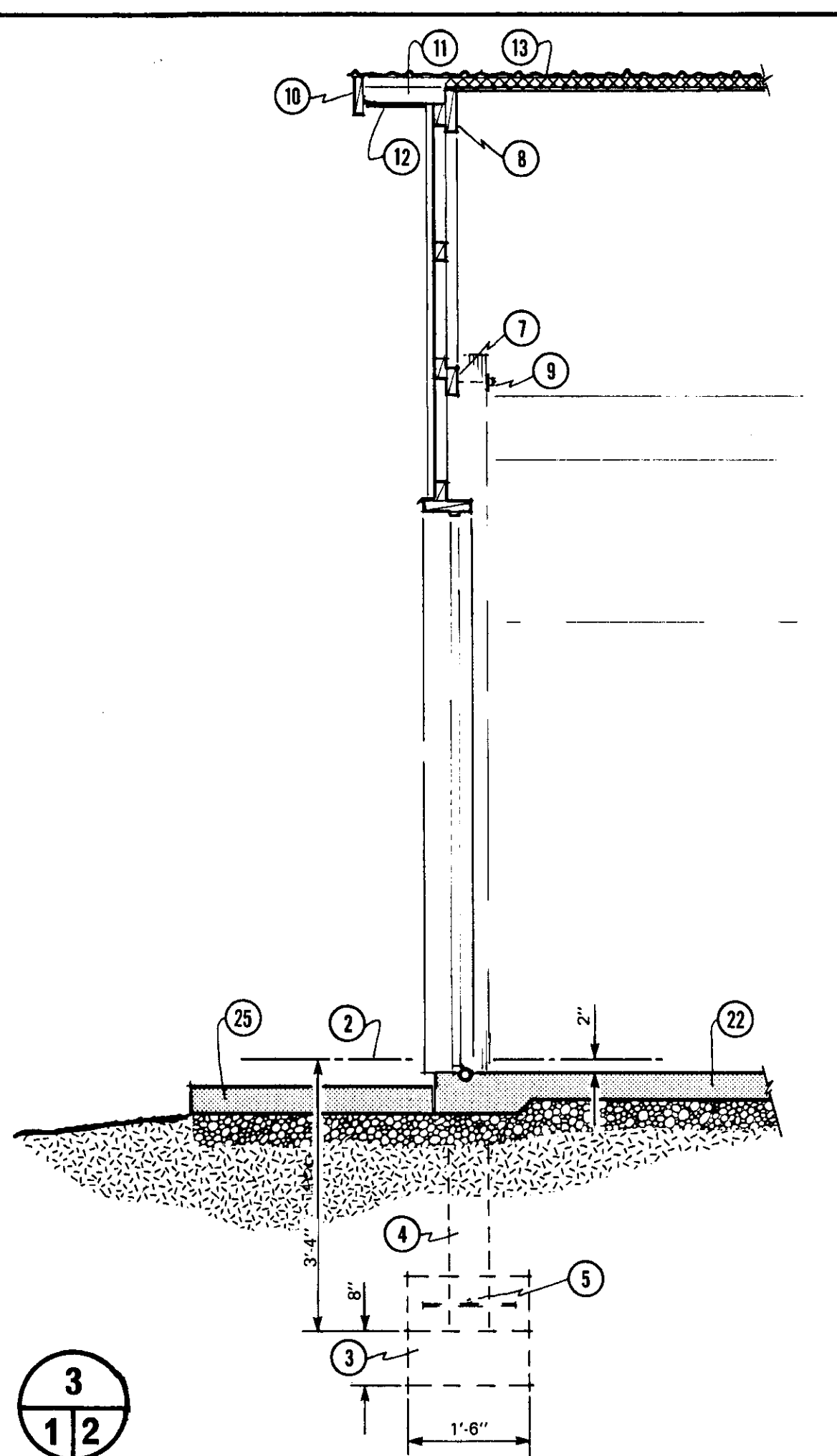
1  
1/2



1



2  
1/2



3  
1/2

- 1 optional ridge vent cap detail
- 2 datum line
- 3 top of all conc. footings same dimension below ②, pre-notch poles before erecting
- 4 12'-0" long pressure-treated poles
- 5 drill pole for 2-10M x 1'-2" rebar, retreat holes with preservative; or use 8 - 6" spikes, place conc. around pole
- 6 notch poles 1 1/2" for 2 - 2 x 8 x 16'-0" plate beam, joints staggered 8'-0" at poles; 2 x 6 x 24" scab at pole with 14 - 5" spiral nails to support outer 2 x 8; 2 - 2 x 8 no.2 spruce safe to total roof load as follows:  
truss spacing 4'-0"  
total roof load (kPa) 2.7
- 7 endwall poles notched for truss lower chord
- 8 trusses @ 4'-0" oc or to suit local design snow loads, see 9102 for bracing requirements
- 9 1/2" bolt & washers, truss to pole; galv. framing anchors, intermediate trusses to ⑥
- 10 1 1/2" face board
- 11 1 1/2" blocking @ 24" oc, supports ⑩ & ⑫
- 12 1/2" plywood soffit, 1/4" continuous vent slot
- 13 roof construction: 3/8" sheathing plywood; polyethylene vapor barrier; 2 x 4 purlins @ 24" oc; R-5 insulation; metal roofing
- 14 ridge foam closure strip, to match roofing profile
- 15 1" x 10" extruded polystyrene, exterior face covered with galv. metal flashing
- 16 ridge cap made of 2 x 4 uprights & 2 x 2 frame covered with galv. steel flashing; treat wood with preservative
- 17 3- 2 x 6 pressure-treated tongue & groove planking; stagger joints 8'-0" @ poles, nail each plank with 2 - 5" hot-dip galv. nails
- 18 exterior wall construction: vertical 3/8" sheathing plywood; 2 x 4 girts @ 24" oc; 2 x 4 vertical blocking between girts at plywood joints; asphalt felt wind stop; galv. vertical metal siding
- 19 2 x 6 pressure-treated girt
- 20 tilt-in wall panel made of FRP translucent siding on 2 x 4 frame, hinged to ⑱
- 21 2" marine pulley, 3 mm marine cable to winch
- 22 4" concrete floor on compacted gravel fill
- 23 slope 2" in pens to gutter
- 24 5" x 2" gutter
- 25 5'-0" x 3'-0" x 4" conc. pad at door
- 26 3'-0" x 4" deep coarse gravel splash pad

REVISED & RE-ISSUED H.A.J. 87-09 JET

SYM	REVISIONS	CHECKED	DATE	APPROVED

**CANADA**  
PLAN SERVICE

CROSS & WALL SECTIONS  
(NOT TO SCALE)

DESIGNED JAM	DATE 86-07	PLAN <b>2342</b>
DRAWN R. PELLA	REVISED 87-09	
TRACED	DETAIL NUMBER A	SHEET 2 OF
CHECKED JET	ORIGINATES ON SHEET B DRAWN ON SHEET C	