

SPECIFICATIONS

Unless otherwise specified, all cast-in-place concrete is to be at least 3000 psi @ 28 days, 6% air entrained.

All reinforcing steel to be at least 40,000 psi 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 untreated framing lumber is No. 2 (or better), S-P-F species group, unless otherwise specified.

All wood indicated 'pressure-treated' is CCA pressure-treated to a net retention of 0.4 lb/ft³ (ground contact specification, CSA-080 Wood Preservation).

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

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 local 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
8201	-1-	Barn for riding horses (3 box stalls)
8201	-2-	Floor plan and section
8201	-3-	Wall sections
8201	-4-	Door detail, ventilation and electrical plan Truss design and spacing to suit local snow + dead load

AND LEAFLETS

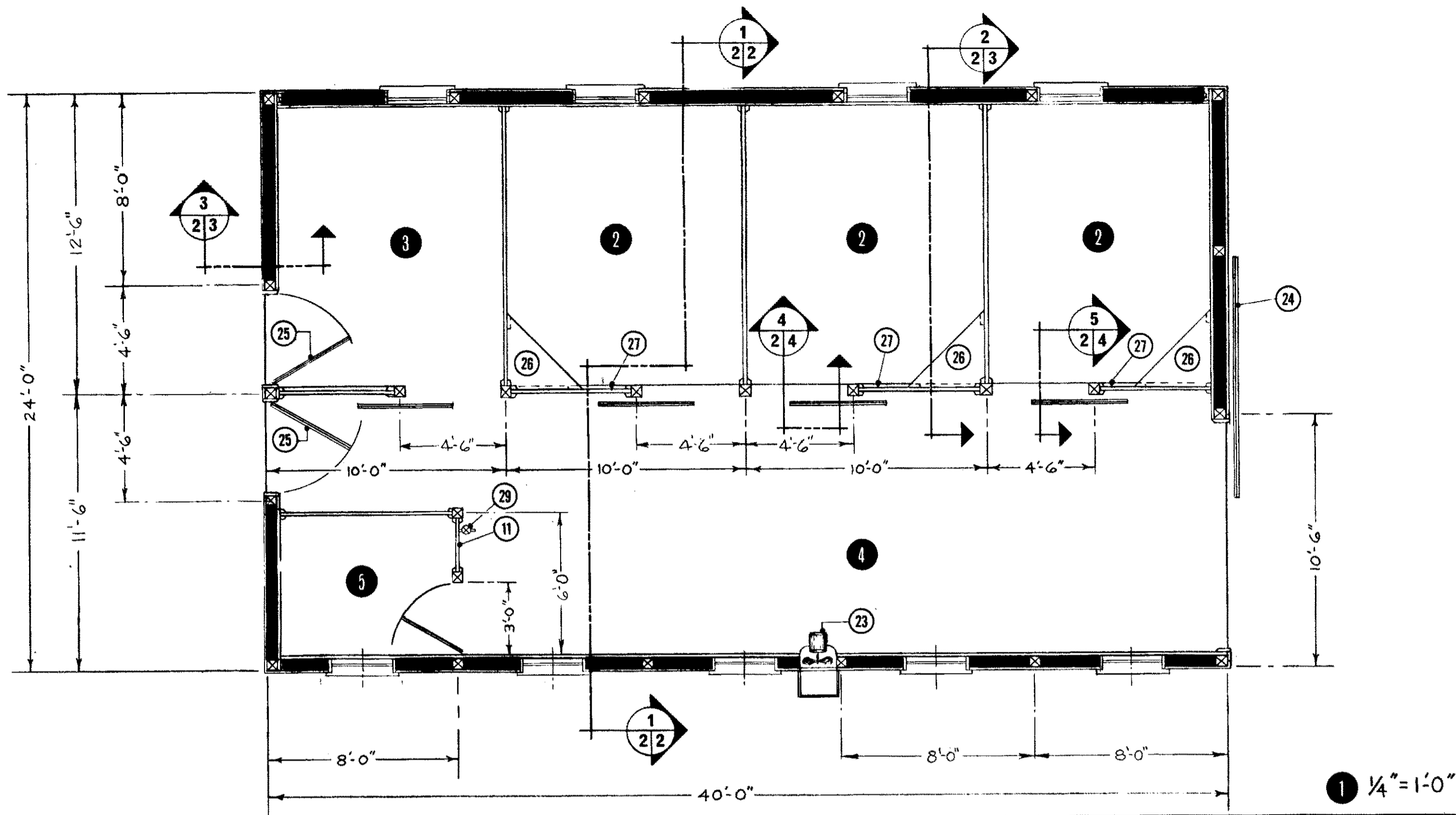
8201	Barn for riding horses (3 box stalls)
9102	Truss erection and bracing
9451	Rodent and bird control in farm buildings

SYM	REVISIONS	CHECKED	DATE	APPROVED
	REVISED & RE-ISSUED	H.A.J.	87-09	J.E.T.

CANADA FARM BUILDING PLAN SERVICE

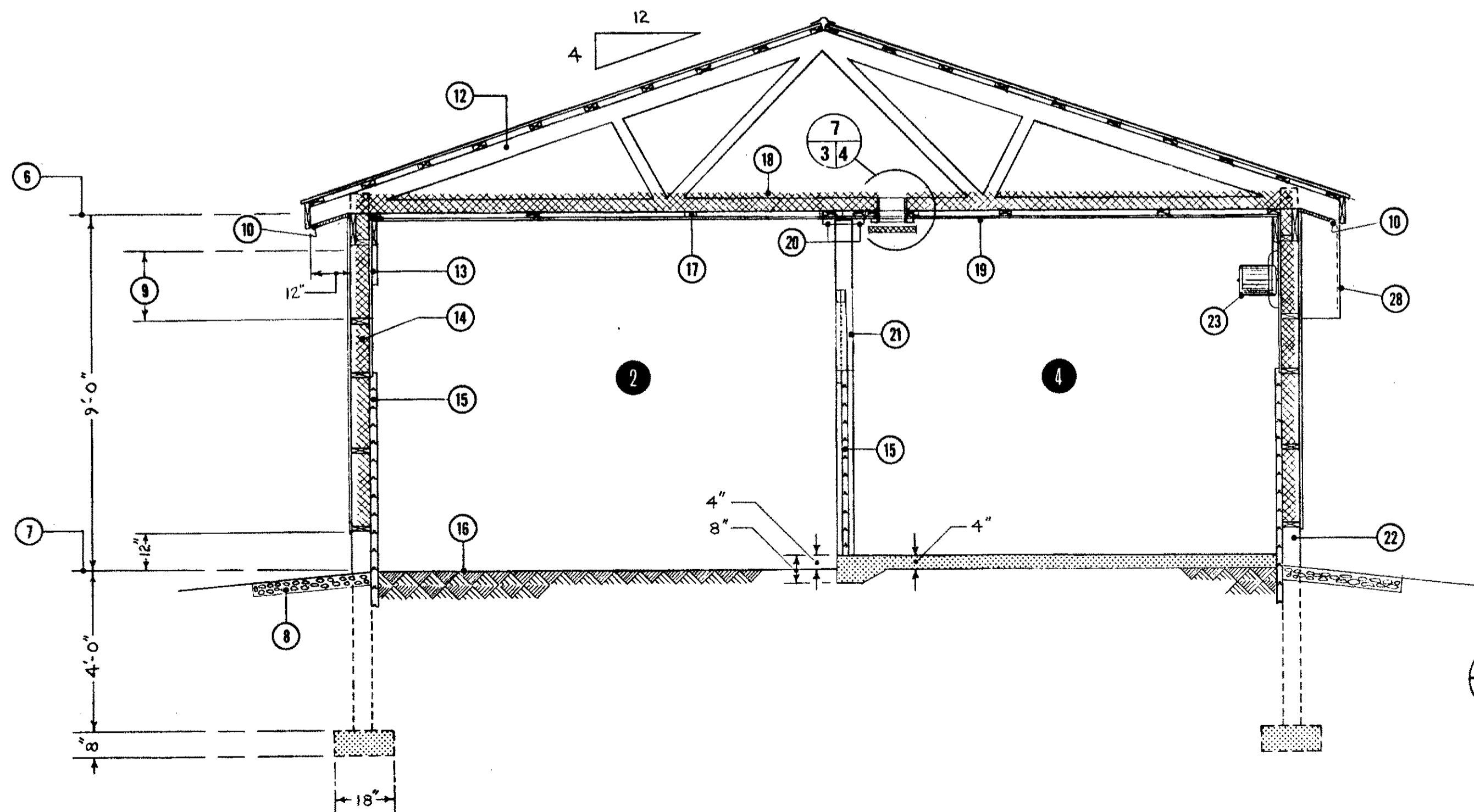
BARN FOR RIDING HORSES
(3 BOX STALLS)

DESIGNED	H.A.J.	DATE	APR-72	PLAN 8201 SHEET 1 OF
DRAWN	LEO BLAIS	REVISED	87-09	
TRACED		SCALE	N/A	
CHECKED	J.E.T.			



1 1/4" = 1'-0"

- 1 plan view of 3 stall horse barn
- 2 box stall, clay floor
- 3 feed & bedding storage, concrete floor
- 4 work alley, concrete floor
- 5 tack room
- 6 top of plate
- 7 datum line, clay floor level
- 8 3'-0" x 4" deep coarse gravel splashpad all around building (slope with grade)
- 9 window location - 21" or to suit prefit window
- 10 2" wide screened vent, continuous
- 11 substitute stud wall, sheathed floor to ceiling if tack room is to be heated
- 12 24'-0" trusses @ 4'-0" O.C. Select truss and spacing to suit local snow load.
- 13 3/8" plywood, 48" high. Face grain vertical
- 14 4" insulation
- 15 2" x 6" T & G planking.
- 16 clay floor
- 17 2" x 4" nailing girts @ 4'-0" o.c.,
- 18 6" insulation
- 19 3/8" plywood
- 20 2" x 4" blocks, 4 sides of post
- 21 6" x 6" x 8'-6" posts, butts dipped in preservative
- 22 6" x 6" x 14'-0" pressure treated posts @ 8'-0" o.c.
- 23 exhaust fan
- 24 10'x8'-4" insulated slide door, secure with 2 turnbuckle hooks recessed into each side jamb
- 25 4'-0" x 8'-0" insulated door
- 26 hay manger
- 27 screw eye for feed or water bucket
- 28 fan exhaust hood. Open at bottom only.
- 29 hose bib. use frost proof hydrant if there is risk of freezing



1 2/2 3/8" = 1'-0"

A Detail No.
 B Sheet No. On Which Detail Originates
 C Sheet No. On Which Detail is Shown

SYM	REVISIONS	CHECKED	DATE	APPROVED

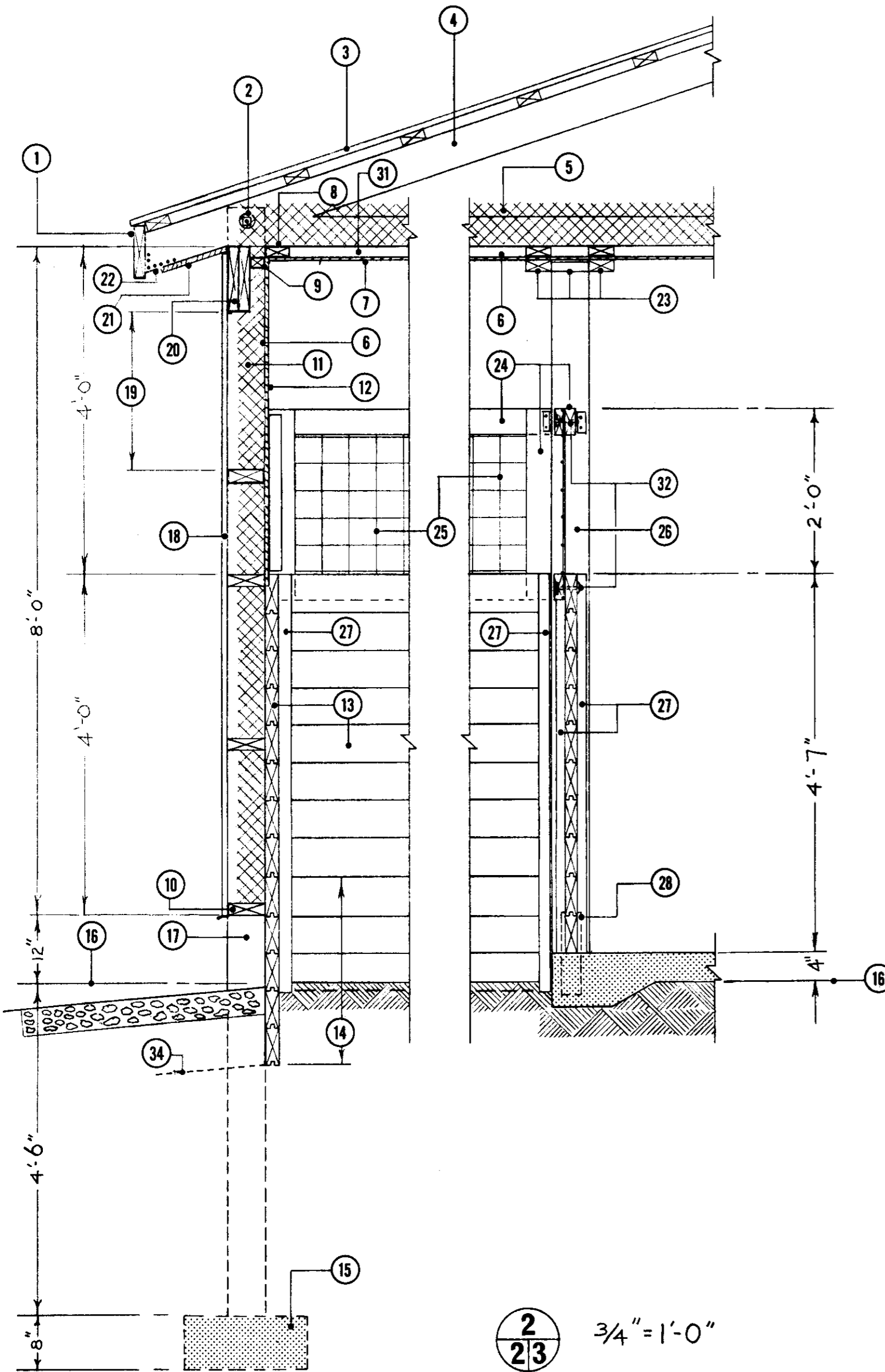
CANADA FARM BUILDING PLAN SERVICE

FLOOR PLAN AND SECTION

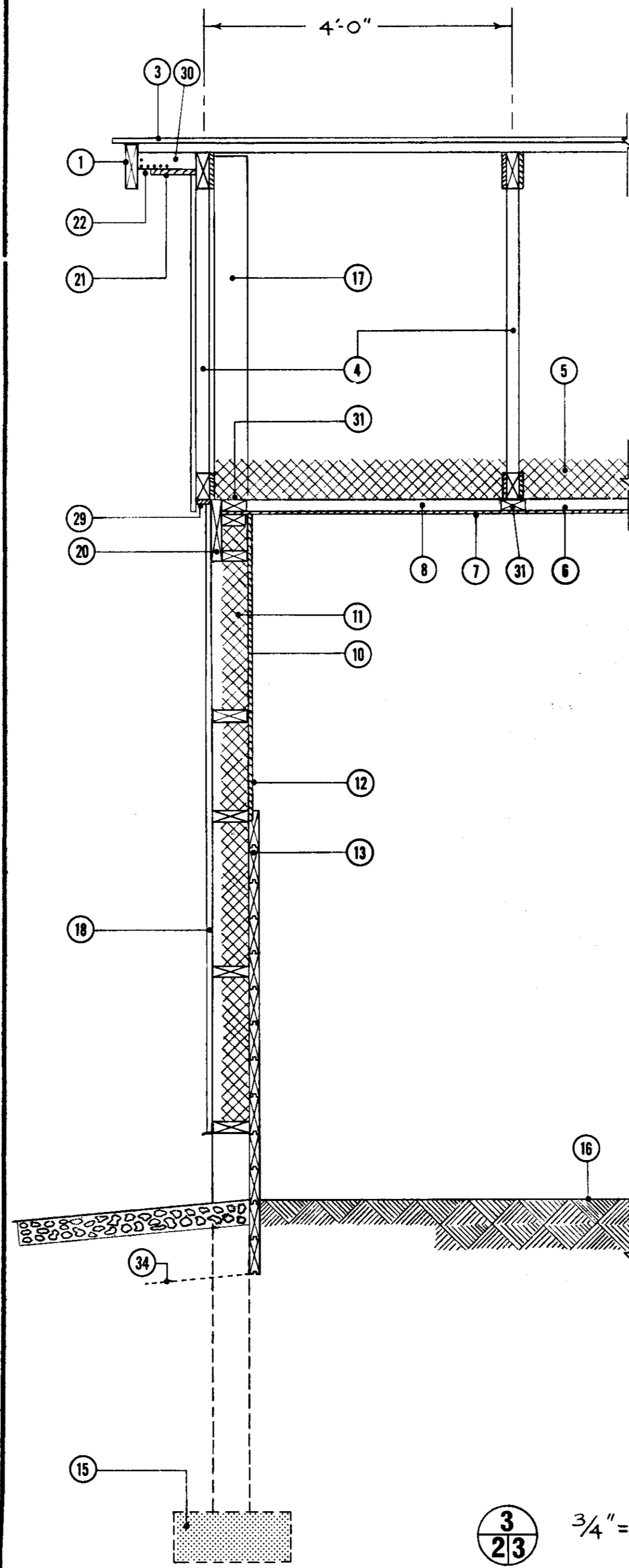
DESIGNED <i>H.A.J.</i>	DATE <i>APR/72</i>	PLAN 8201 SHEET 2 OF
DRAWN <i>J.C.</i>	REVISED	
TRACED	SCALE	
CHECKED <i>J.E.T.</i>	AS SHOWN	

Table 20 Plate beam safe uniform total roof loads, kPa

Plate beam	No.2 S-P-F Truss spacing, inches on center			No.2 D. Fir Truss spacing, inches on center		
	48	32	24	48	32	24
2 - 2 x 8	2.41	2.03	1.93	2.04	1.72	1.64
2 - 2 x 10	3.60	2.92	2.63	3.05	2.57	2.45



2
2/3 3/4" = 1'-0"



3
2/3 3/4" = 1'-0"

A
B
C

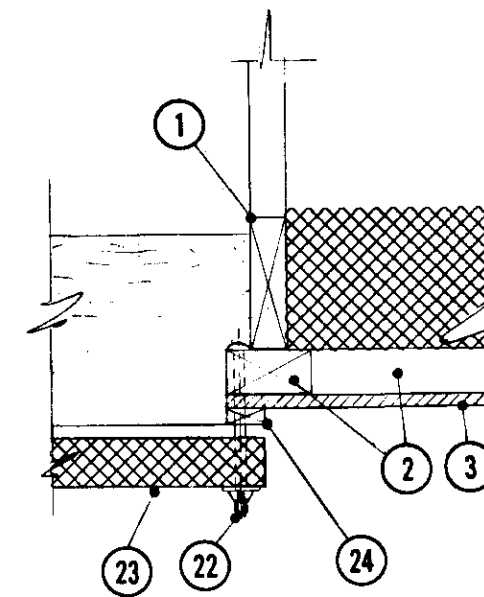
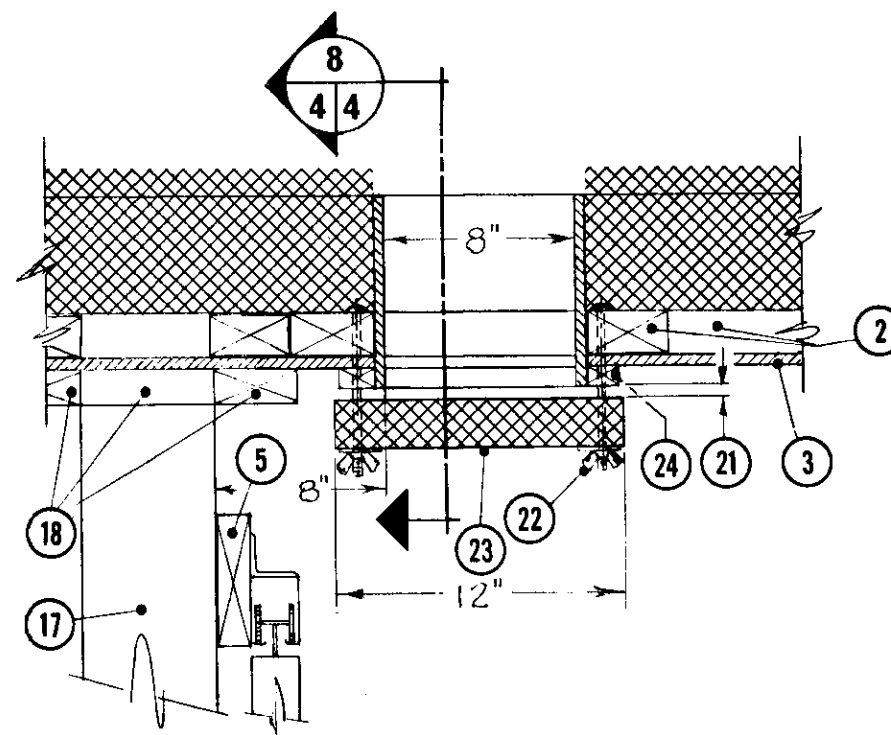
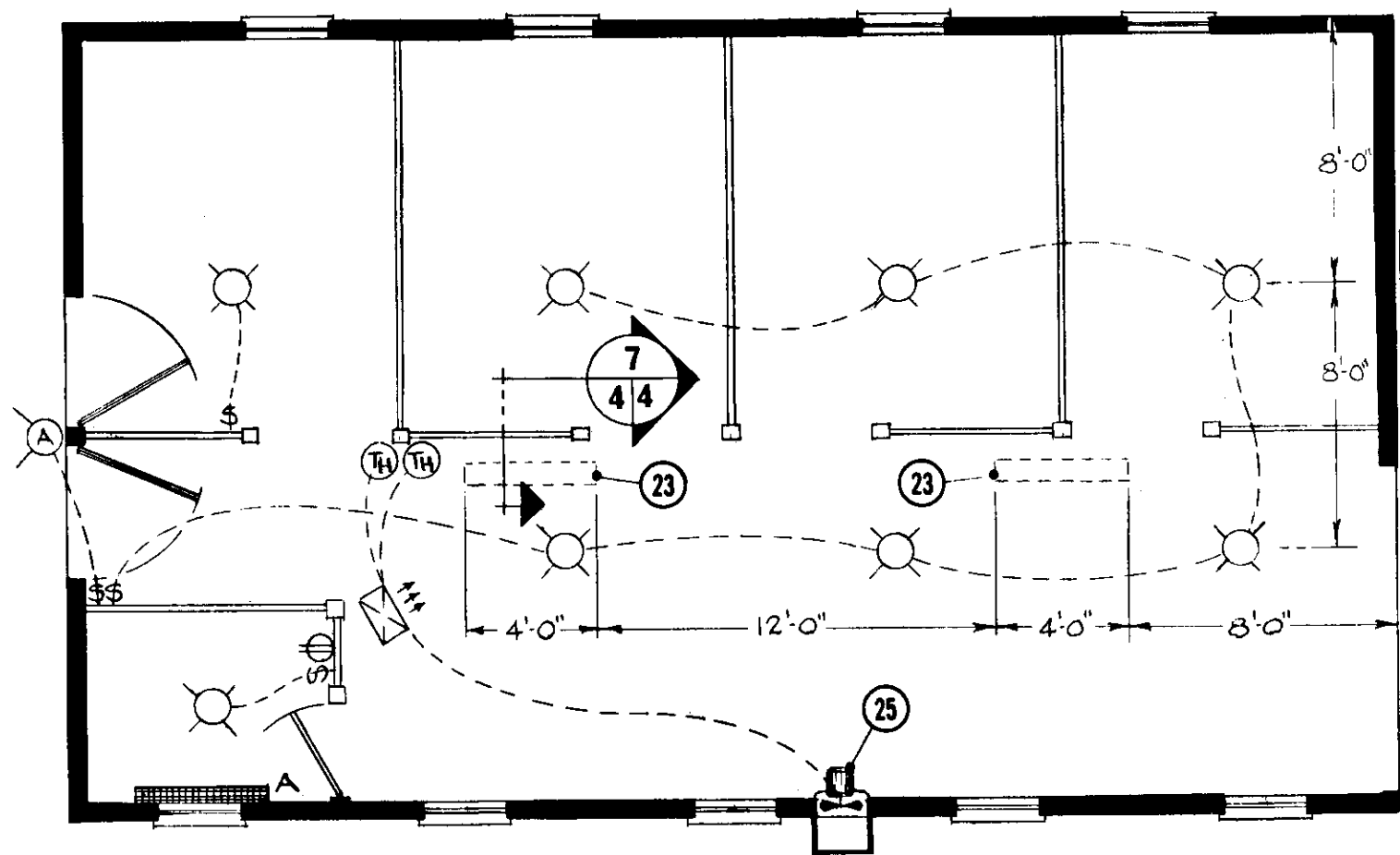
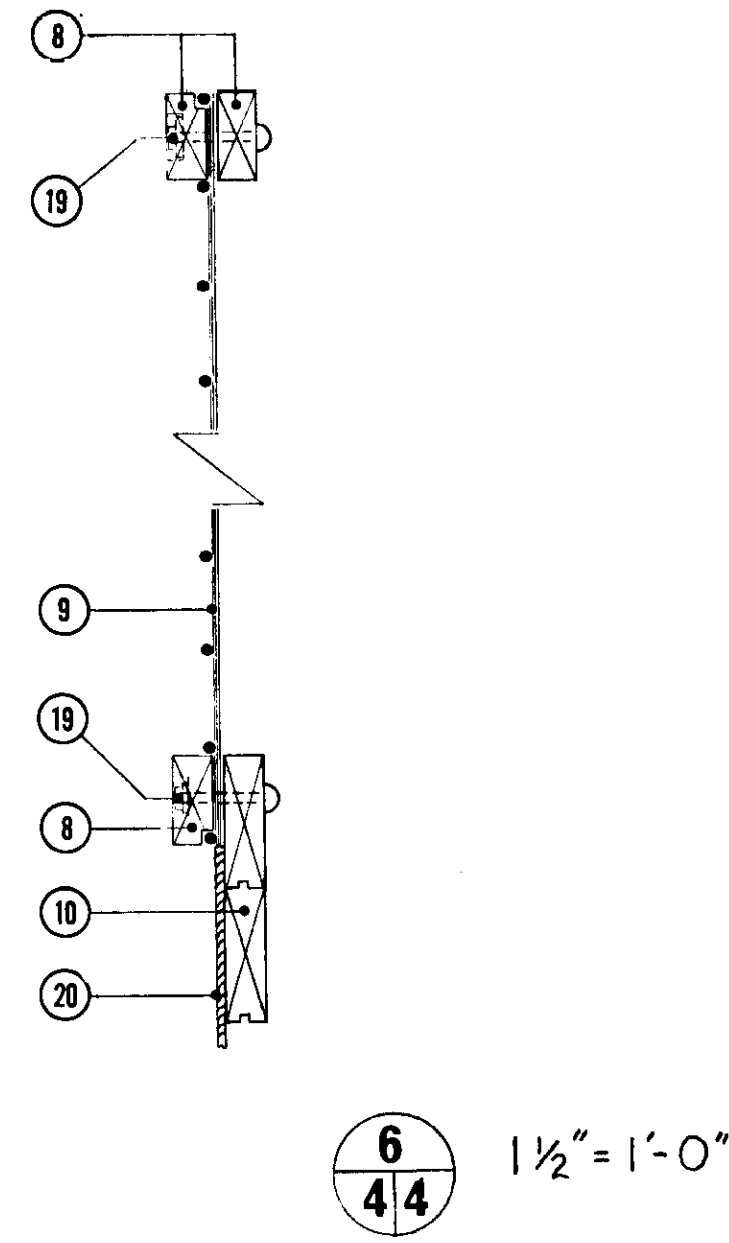
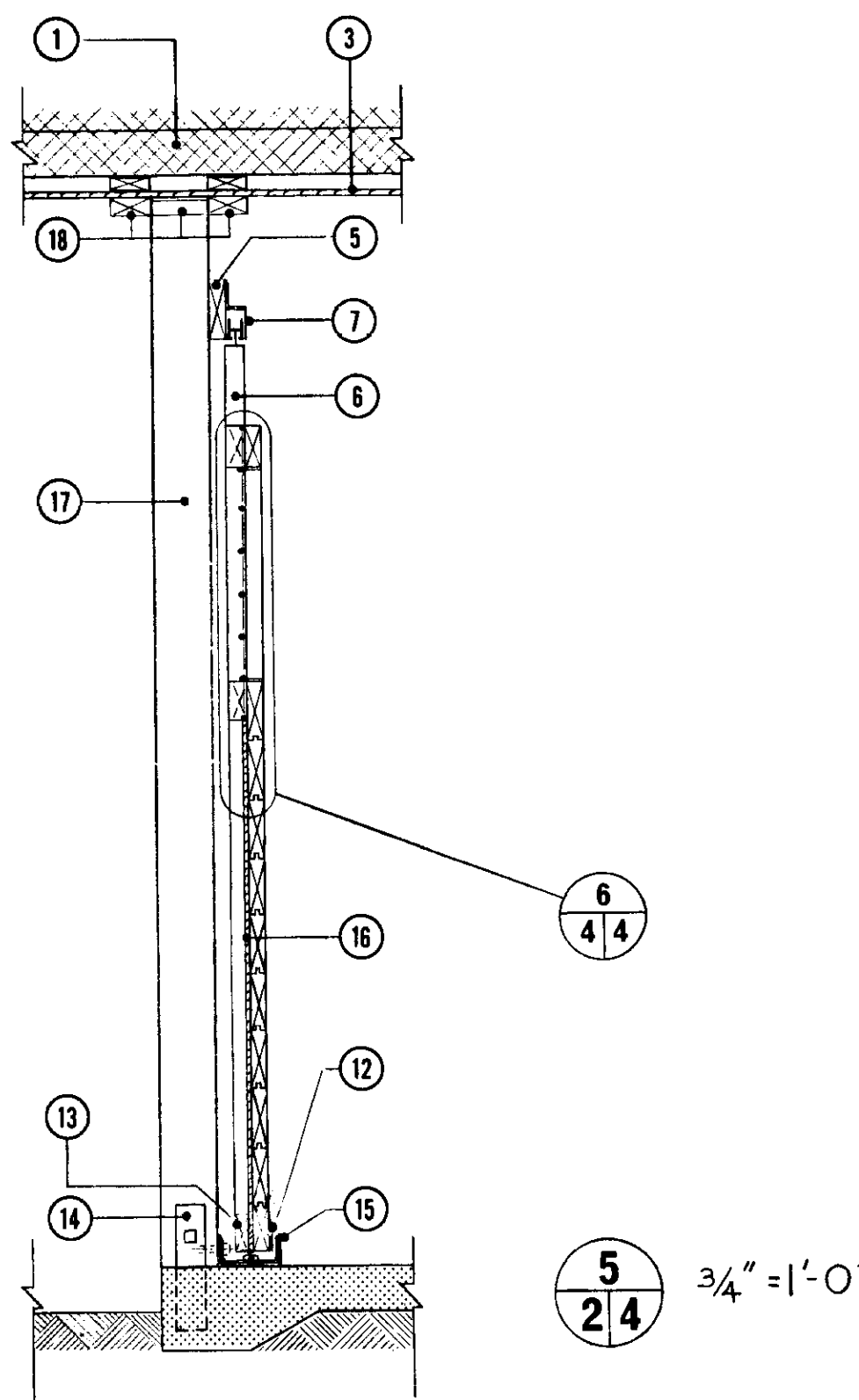
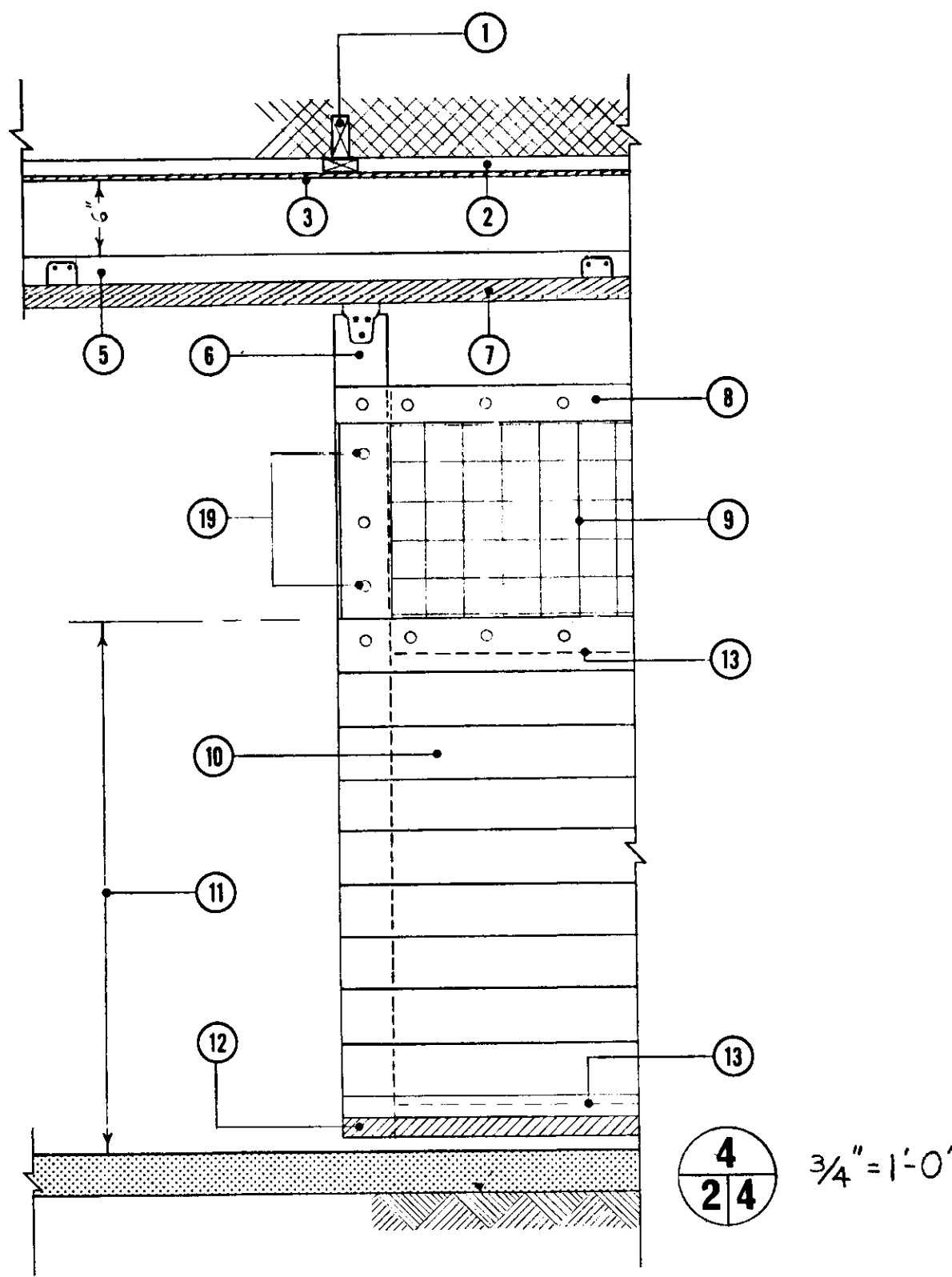
A Detail No.
B Sheet No. On Which Detail Originates
C Sheet No. On Which Detail is Shown

- 1 2" x 8" face board
- 2 1/2" Ø bolt truss to post and 4" x 4" blocking at intermediate trusses
- 3 metal roofing on 2" x 4" purlins or 210-lb. asphalt shingles over 3/8" plywood
- 4 24'-0" trusses @ 4'-0" o.c. Select truss and spacing to suit local snow load. End wall trusses to have gussets on inside face only
- 5 6" friction fit insulation batts laid perpendicular to trusses
- 6 4 mil polyethylene vapour barrier
- 7 3/8" plywood ceiling
- 8 2" x 4" ceiling girts @ 4'-0" o.c.
- 9 2" blocking
- 10 2" x 6" horizontal girts, bottom girt pressure treated
- 11 4" friction fit insulation batts
- 12 3/8" plywood interior sheathing, face grain vertical
- 13 2" x 6" x 16'-0" T&G splash planking. Stagger joints at 8'-0" on posts. Rabbet top plank 3/8" x 1 1/2" for plywood and nail through into girt.
- 14 2" x 6" T & G planking. Bottom 5 planks in outside wall to be pressure treated.
- 15 18" dia x 8" min. concrete footing @ 8'-0" o.c.
- 16 datum line
- 17 6" x 6" pressure treated posts
- 18 vertical wood or metal siding over 15 lb. asphalt felt wind stop
- 19 window location. 21" or to suit prefit windows
- 20 double 16' plate beam (3 in end spans), joints staggered 8' at poles, see Table 20
- 21 3/4" plywood or lumber soffit
- 22 2" continuous air vent with 1/2" x 1/2" galv. hardware cloth bird screen
- 23 2" x 4" blocks, 4 sides of post, block above ceiling
- 24 2" x 4" framing, attach to posts with steel angle and lag bolts
- 25 4" x 4" 6/6 welded wire mesh
- 26 6" x 6" x 8'-6" posts, butts dipped in preservative
- 27 2" x 2" verticals both sides at posts and walls
- 28 1/2" x 3" x 24" U-strap in concrete, 1/2" bolt thru post
- 29 3/4" filler
- 30 2" x 3" blocking @ 36" O.C.
- 31 2" x 4" blocking at each truss, between girts
- 32 bolts as in (C)
- 33 2" x 6" x 12" scab at post
- 34 1/2" x 1/2" x 18" galv. hardware cloth fitted and stapled to pole & planking

SYM	REVISIONS	CHECKED	DATE	APPROVED
	REVISED & RE-ISSUED	H.A.J.	87-09	J.E.T.

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WALL SECTIONS			
DESIGNED	H.A.J.	DATE	APR./72
DRAWN	J.C.	REVIS	87-09
TRACED		SCALE	3/4" = 1'-0"
CHECKED	J.E.T.		
			PLAN 8201
			SHEET 3 OF



- 1 24'-0" trusses @ 4'-0" o.c., select truss and spacing to suit local snow load
- 2 2" x 4" nailing girts @ 4'-0" o.c.
- 3 3/8" plywood ceiling
- 4 ventilation and electrical plan
- 5 2" x 6" track board
- 6 2" x 6" uprights
- 7 commercial door track, slope to close door
- 8 2" x 4" framing
- 9 4" x 4" 6/6 welded wire mesh
- 10 2" x 6" T&G planking
- 11 make this height match stall dividers
- 12 2" wide galvanized metal strap
- 13 2" x 4" framing behind
- 14 1/4" x 3" x 24" U-strap in concrete, 1/2" bolt thru post
- 15 door guide, two angle irons welded together
- 16 1/4" plywood
- 17 6" x 6" x 8'-6" post
- 18 2" x 4" blocks 4 sides of post, block above ceiling
- 19 3/8" carriage bolts @ 12" o.c., nuts recessed
- 20 1/4" plywood used at doors only and not at stall dividers
- 21 adjust inlet slot 1/8" for cold winter weather, 3/8" for mild weather, closed for hot summer weather (open doors)
- 22 1/4" plated carriage bolts, washer & wing nuts for inlet adjustments, 6 per inlet
- 23 2" extruded polystyrene baffle over
- 24 1" x 2" trim, 4 sides of opening
- 25 variable speed exhaust fan 150 to 500 CPM

- Ⓢ lighting switch
- ⓐ 150 watt par 30 floodlight
- Ⓞ 100 watt incandescent pigtail light fixture
- Ⓜ 115 volts, duplex convenience outlet
- Ⓜ ventilation thermostat
- ▨ 1 KW base board unit heater (with thermostat) if tack room has insulated walls floor to ceiling
- Ⓜ fan forced unit heater, bracket hung

4 3/16" = 1'-0"

3, 7/44 1/2" = 1'-0"

8/44 1/2" = 1'-0"

A Detail No.
 B Sheet No. On Which Detail Originates
 C Sheet No. On Which Detail is Shown

SYM	REVISIONS	CHECKED	DATE	APPROVED

CANADA FARM BUILDING PLAN SERVICE

DOOR DETAIL
 VENTILATION AND ELECTRICAL PLAN

DESIGNED H.A.J.	DATE APR. 72	PLAN 8201
DRAWN J.C. & L.B.	REVISED	
TRACED	SCALE AS SHOWN	SHEET 4 OF
CHECKED J.E.T.		