

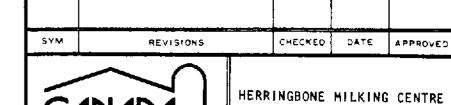
ONE SET OF DRAWINGS & LEAFLETS SHOULD INCLUDE

CPS	SHEET	TITLE
no.	no.	
M-2502	1	Herringbone milking center (two return alleys)
M-2502	2	Floor plan
M-2502	3	Cross section
M-2502	4	Longitudinal section & details
M-2502	5	Electrical plan & wall section
AND		
Q-2503		Milking parlor grounding method
M-2821		Single headrail tie stall
M-9102		Truss erection & bracing
M-9324		Stud frame walls
OPTIONAL		Roof truss plan, to suit span and snow load

"This plan conforms to the requirements of the Canadian Farm Building Code. The user of this plan must ensure that the design criteria indicated herein will meet all local design conditions, building regulations and special requirements."

WARNING

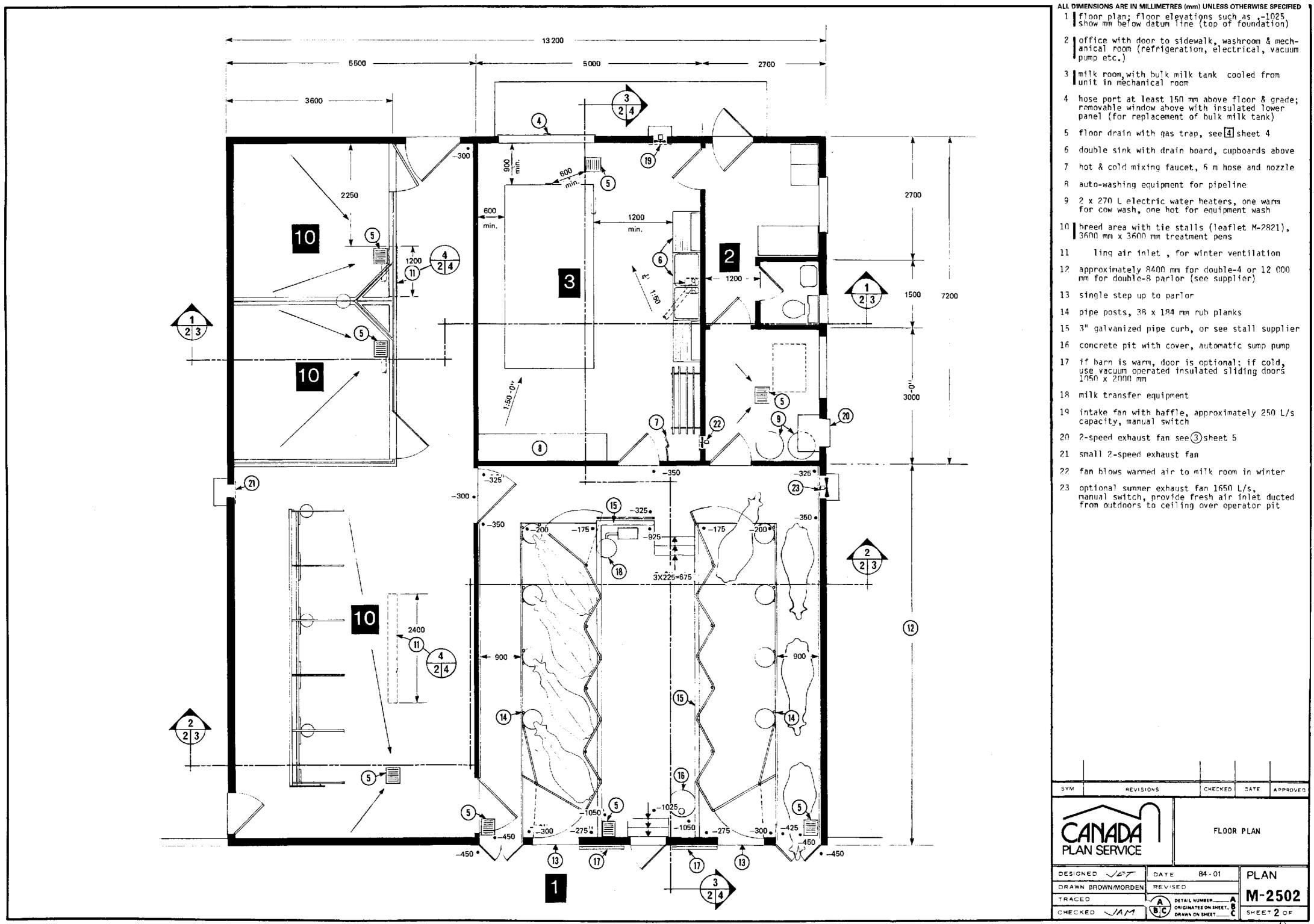
This plan may require structural and other changes to meet local site conditions, climatic loads, user requirements and applicable building regulations (such as the Canadian Farm Building Code). Before construction, the user of this plan is responsible to ensure that all required changes are made.

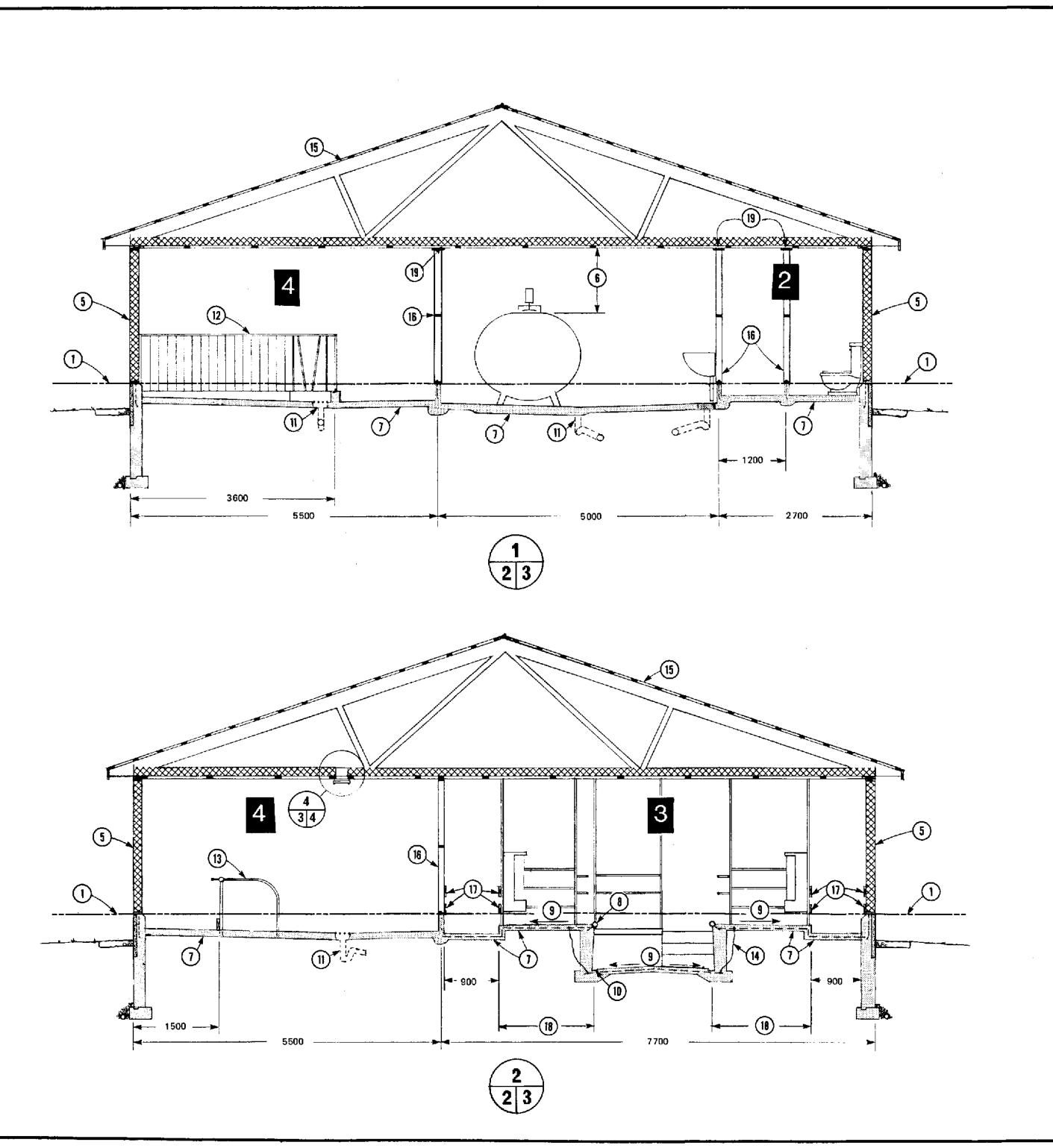


CANADA PLAN SERVICE

HERRINGBONE MILKING CENTRE (TWO RETURN ALLEYS)

ESIGNED JET	DATE 84-01	PLAN
RAWN D. BROWN	REVISED	84 050
RACED	DETAIL NUMBER A	M-250
HECKED JAM	ORIGINATES ON SHEET_ C	SHEET 1 0





ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS OTHERWISE SPECIFIED

1 datum line, top of concrete foundation; floor elevations such as .-300 show mm below datum line, dot shows location

2 | washroom % hallway to office

3 imilking parlor (see manufacturer)

4 | breed and treatment area

5 insulated wall and concrete foundation see plan M-9324, RSI-3.5 insulation in wall, 4.9 in ceiling, sill CCA pressure-treated & stud butts soaked in wood preservative

6 set milk room floor elevations to give at least 900 mm clear from top of bulk tank to ceiling (for removal of milk measuring rod)

7 compacted sand or gravel fill 150 mm, polyethylene vapor barrier, floor 100 mm of 30 MPa concrete, increase floor to 150 mm thick under bulk tank

8 75 mm galvanized pipe curb top set 50 mm above stall floor to floor with 12 mm rebar lugs welded @ 900 mm oc, or see supplier

9 floors sloped to drain; see floor plan sheet 2

10 75 x 38 mm gutter, optional

11 floor drain and gas trap, see 4 sheet 4; 100 mm sewer pipe sloped uniform to sump

12 treatment pen (see manufacturer)

13 1200 mm wide tie stalls, see M-2821(no gutter)

14 all stall hardware & floor reinforcing electrically bonded, (plan 0-2503)

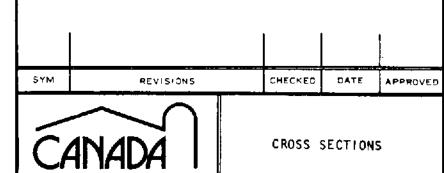
15 trusses 13 200 mm span, @ 1200 mm oc

16 interior partitions 150 mm concrete block, or 89 mm stud frame as shown; if wood frame, sill CCA pressure-treated, stud butts soaked in wood preservative

17 38 x 184 mm rub planks @ 450 and 900 mm from floor, secure to stall posts with U-bolts recessed flush

18 dimensions vary, see stall equipment supplier

19 provide space over interior partitions as per camber indicated on truss plan



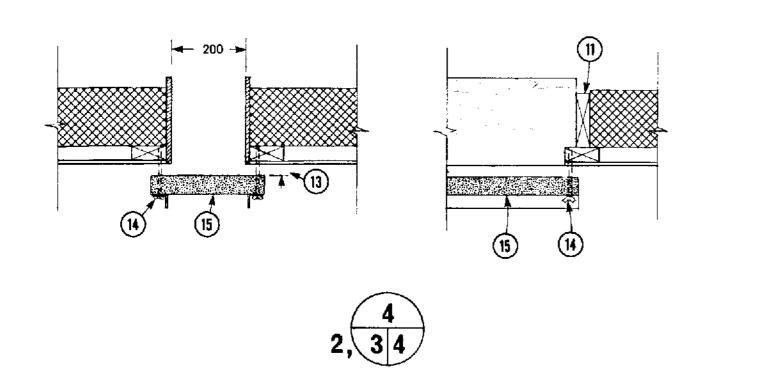
DATE 84-01 DESIGNED VETT DRAWN BROWN/MORDEN

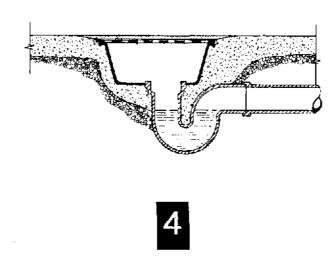
CHECKED VAM

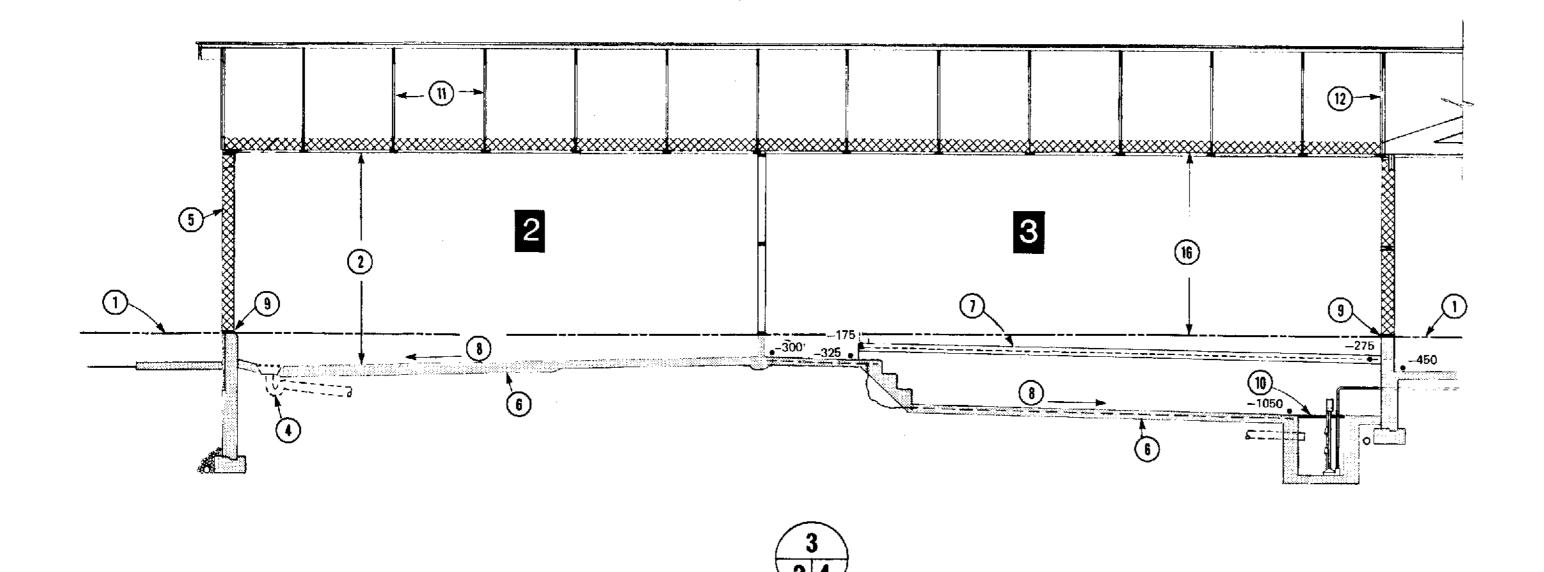
TRACED

PLAN REVISED, M-2502 A DETAIL NUMBER... DRAWN ON SHEET.

SHEET 3 OF





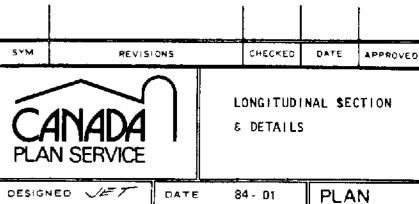


ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS OTHERWISE SPECIFIED

- 1 datum line, top of foundation; floor elevations such as .-300 show mm below datum line, dot shows location
- 2 milk room, height to give at least 900 mm clear from top of bulk tank to ceiling (for removal of milk measuring rod)

3 Imilking parlor

- 4 100 mm floor drain with 6 mm steel cover plate, 18 mm holes for drainage. Form sump in concrete with plastic dishpan, cut hole for P-trap. Use temporary 12 mm plywood cover to form rabbet in concrete
- 5 insulated wall and concrete foundation see plan M-9324, RSI-3.5 insulation in wall, 4.9 in ceiling, sill CCA pressure-treated & stud butts soaked in wood preservative
- 6 compacted sand or gravel fill 150 mm, polyethylene vapour barrier, floor 100 mm of 30 MPa concrete, 150 mm thick floor under bulk tank, for milking parlor grounding see plan Q-2503
- 7 75 mm galvanized pipe curb, top set 50 mm above stall floor, anchored to floor with 12 mm rebar lugs welded 900 mm oc
- 8 floors sloped to drain; see floor plan sheet 2
- 9 elastomer or butyl caulking
- 10 concrete sump pit with cover
- 11 trusses 13 200 mm span, @ 1200 mm oc
- 12 join to holding area, construction varies
- 13 adjust inlet slot 3 mm for cold winter weather, 9 mm for mild weather, closed for hot summer weather (open doors when cattle are housed)
- 14 6 mm plated carriage bolts, washers and wing nuts for inlet adjustments
- 15 50 x 300 mm extruded polystyrene baffle stiffened with 38 x 38 mm angle bent from qalvanized sheet steel
- 16 2450 mm if ceiling is fastened to 38 mm ceiling strapping, 2410 mm if ceiling is fastened directly to trusses (see M-9324)



DESIGNED JAM DATE 84- DI

DRAWN BROWN/MORDEN REVISED

TRACED

CHECKED JAM

DATE 84- DI

REVISED

ORIGINATES ON SHEET. B

ORIGINATES ON SHEET. C

M-2502

