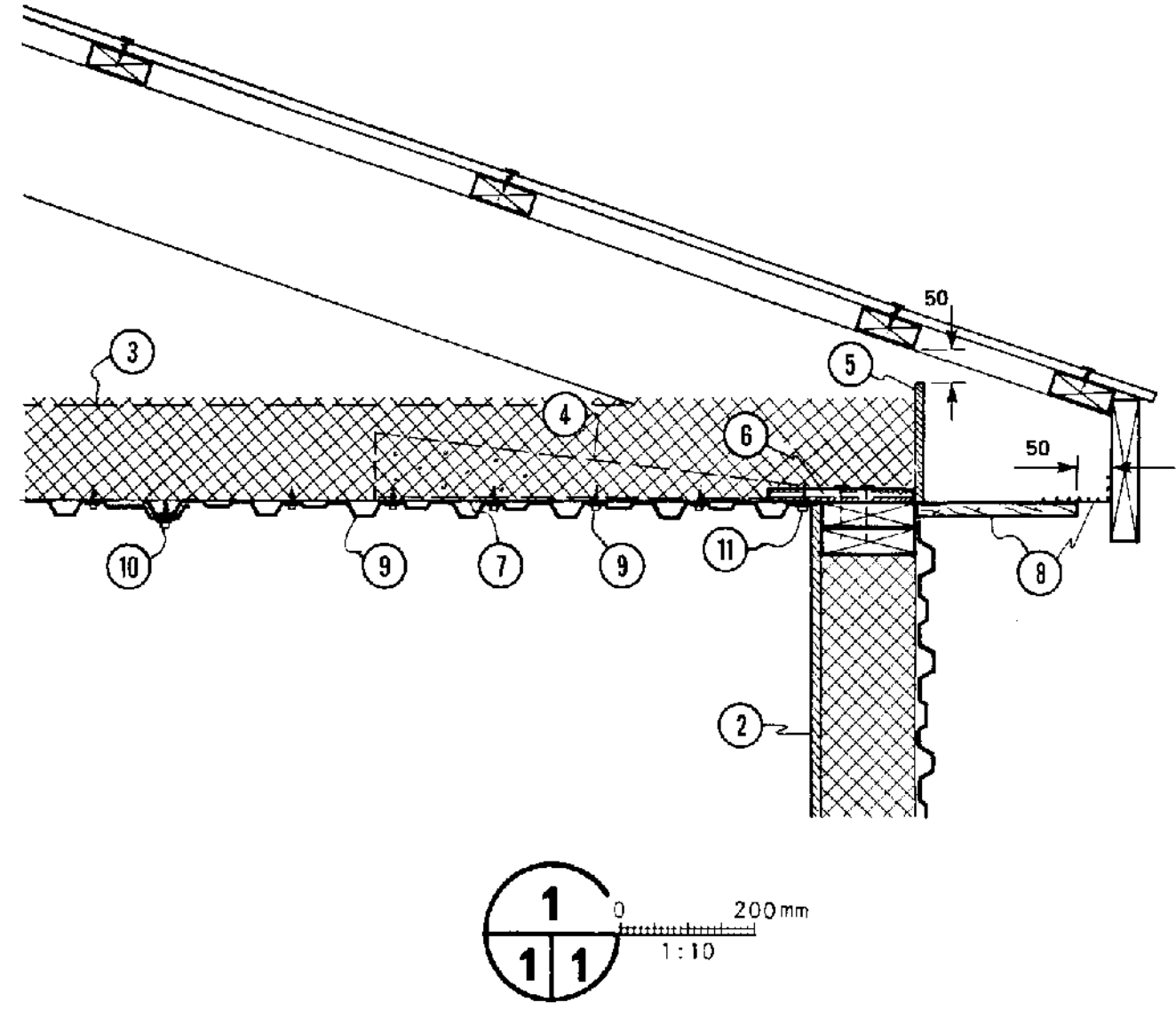
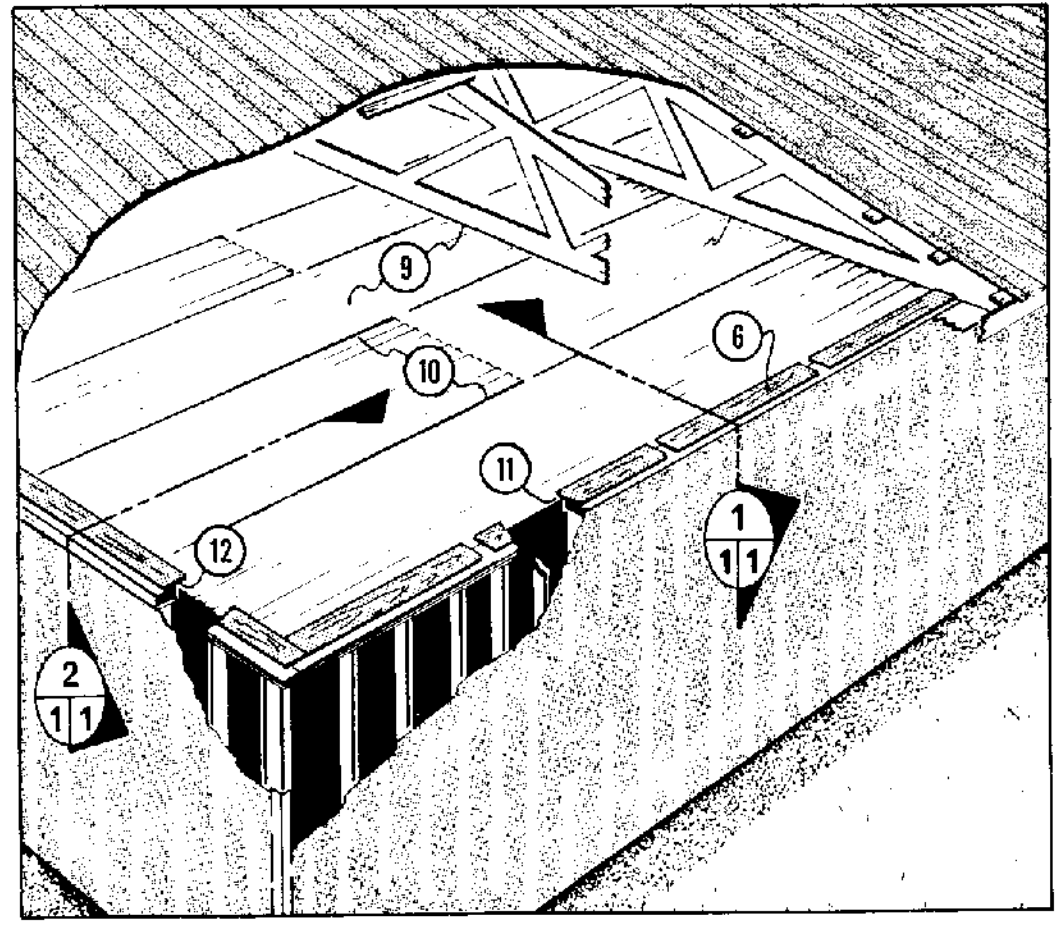
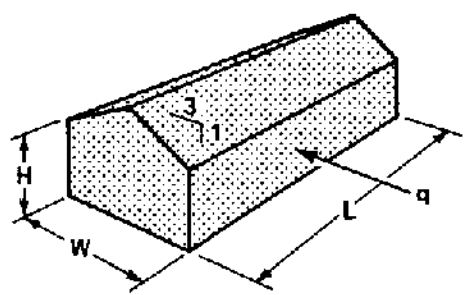


ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS OTHERWISE SPECIFIED

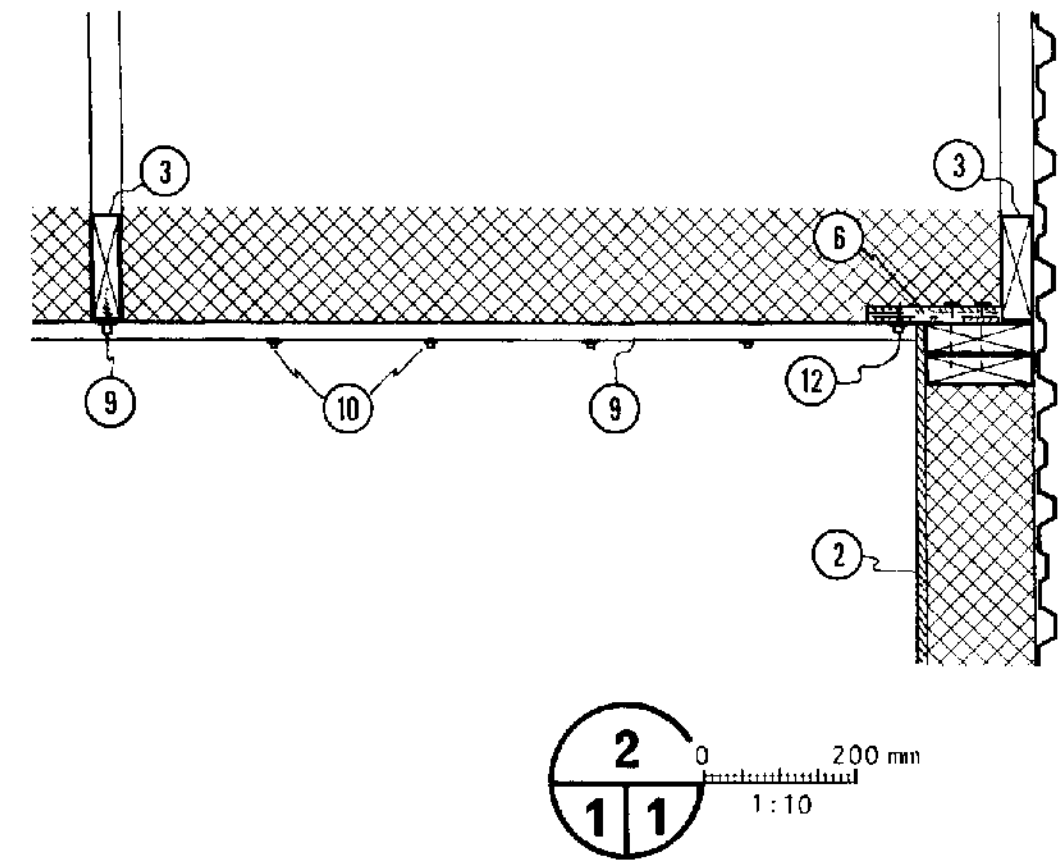


- 1 table of diaphragm ceiling fastenings and design wind pressures
- 2 stud wall interior sheathing plywood sheets nailed all 4 edges @ 150 mm oc with 38 mm large-head galv. nails, or equivalent
- 3 lower chord of truss, not over 1200 mm oc
- 4 0.91(20 ga.) x 100 mm galv. steel strapping, truss to wall, see M-6110 note 20
- 5 plywood insulation stop between trusses
- 6 19 mm plywood blocking fitted between trusses at sidewalls and parallel to trusses at endwalls; nail to top plate with 89 mm spiral nails at same spacing as stitch-screws 10 at sidewalls and screws 12 at endwalls
- 7 polyethylene vapor barrier, staple to lower edge of trusses
- 8 18.5 mm soffit and bird screen
- 9 0.30 mm(30 ga.) x 4875 mm long prepainted siding steel (diamond rib profile), screw to trusses beside ribs (see 1 for spacing), stagger end joints 2400 mm at trusses and lap 75 mm
- 10 Tapped edge joints of ceiling steel, stitch-screwed from below as per 1, length of screws must be less than depth of ceiling steel ribs, to insure against puncture of 7
- 11 screw long edges of steel to ceiling to 6, see table 1 for screw spacing
- 12 screw to endwall plywood blocking 6, see table 1 for screw spacing



1

STUD WALL HEIGHT m	ALLOWABLE 1/10 HOURLY WIND PRESSURE q (kN/m ²) FOR CEILING WIDTH/LENGTH RATIOS (W/L) OF:								POWER-DRIVEN ROOFING SCREWS 4 x 25 mm (No. 8 x 1")		
	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	SCREW SPACING @ 9 mm	SCREW SPACING @ 10 & 11 mm	SCREW SPACING @ 12 mm
	3.0	0.55	0.66	0.77	0.88						
3.6	0.46	0.55	0.64	0.74	0.83				150	150	75
4.2	0.40	0.48	0.55	0.63	0.71	0.80	0.87	0.83	150	150	75
4.8	0.34	0.42	0.49	0.55	0.62	0.70	0.76	0.83	150	150	50
5.4	0.30	0.37	0.43	0.49	0.55	0.60	0.70	0.74	150	150	50
3.0	0.42	0.50	0.58	0.67	0.75						150
3.6	0.35	0.42	0.49	0.56	0.62	0.69	0.76		150	200	75
4.2	0.30	0.36	0.42	0.48	0.54	0.59	0.65	0.71	150	200	75
4.8	0.26	0.31	0.36	0.42	0.47	0.52	0.57	0.62	150	200	50
5.4		0.28	0.32	0.37	0.42	0.46	0.51	0.55	150	200	50
3.0	0.28	0.33	0.39	0.44	0.50	0.56	0.61	0.67			150
3.6	0.23	0.28	0.32	0.37	0.42	0.46	0.51	0.56	150	300	75
4.2	0.20	0.24	0.28	0.32	0.36	0.40	0.44	0.48	150	300	75
4.8		0.21	0.24	0.28	0.31	0.35	0.38	0.42	150	300	50
5.4			0.25	0.28	0.30	0.35	0.37		150	300	50



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
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CANADA PLAN SERVICE

STEEL CEILING DIAPHRAGM FOR BULK VEGETABLE STORAGE

DESIGNED <i>D.I.M.</i>	DATE 82-05	PLAN NO. M-6131
DRAWN <i>Z.P./D.B.</i>	REVISED	YOUR PLAN NO.
TRACED	DETAIL NUMBER <i>A</i>	ORIGINATES ON SHEET <i>B</i>
CHECKED <i>J.E.T.</i>	DETAIL NUMBER <i>B</i>	ORIGINATES ON SHEET <i>C</i>
	DETAIL NUMBER <i>C</i>	ORIGINATES ON SHEET <i>D</i>