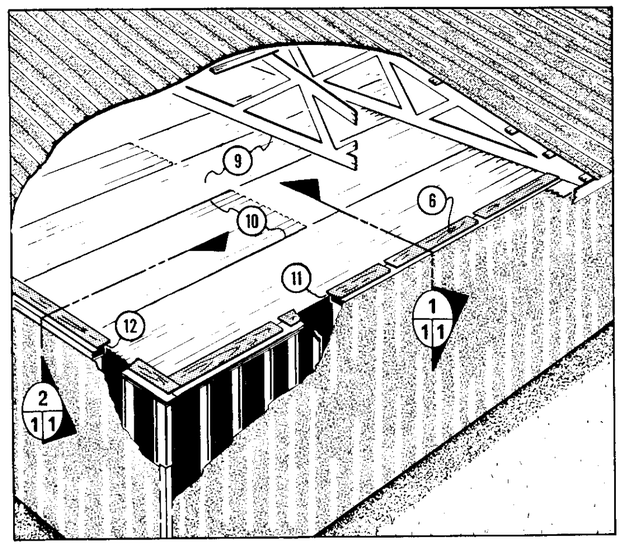

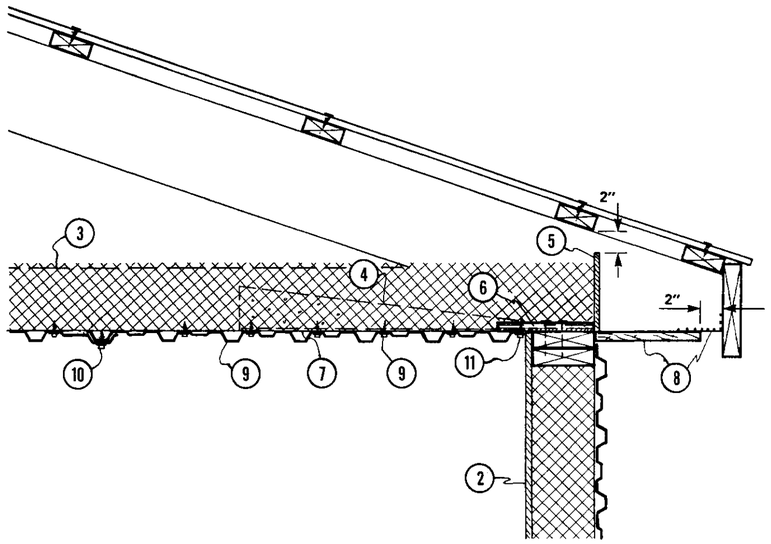

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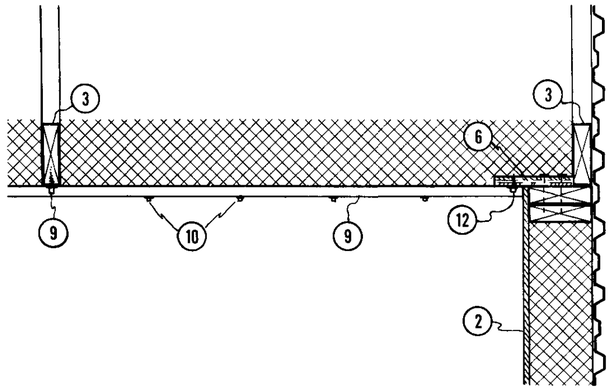

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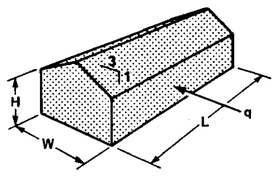

1

STUD WALL HEIGHT ft.	ALLOWABLE 1/10 HOURLY WIND PRESSURE q(kN/m²) FOR CEILING WIDTH/LENGTH RATIOS (W/L) OF: 0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	POWER-DRIVEN ROOFING SCREWS No. 8 x 1" SCREW SPACING @(9)	SCREW SPACING @(10)&(11)	SCREW SPACING @(12)
10	0.55	0.66	0.77	0.88					6"	6" (A)	3"
12	0.46	0.55	0.64	0.74	0.83						3"
14	0.40	0.48	0.55	0.63	0.71	0.80	0.87				3"
16	0.34	0.42	0.49	0.55	0.62	0.70	0.76	0.83			2"
18	0.30	0.37	0.43	0.49	0.55	0.60	0.70	0.74			2"
10	0.42	0.50	0.58	0.67	0.75				6"	8" (A)	6"
12	0.35	0.42	0.49	0.56	0.62	0.69	0.76				3"
14	0.30	0.36	0.42	0.48	0.54	0.59	0.65	0.71			3"
16	0.26	0.31	0.36	0.42	0.47	0.52	0.57	0.62			2"
18		0.28	0.32	0.37	0.42	0.46	0.51	0.55			2"
10	0.28	0.33	0.39	0.44	0.50	0.56	0.61	0.67	6"	12"	6"
12	0.23	0.28	0.32	0.37	0.42	0.46	0.51	0.56			3"
14	0.20	0.24	0.28	0.32	0.36	0.40	0.44	0.48			3"
16		0.21	0.24	0.28	0.31	0.35	0.38	0.42			2"
18				0.25	0.28	0.30	0.35	0.37			2"

1	table of diaphragm ceiling fastenings and design wind pressures
2	stud wall interior sheathing plywood sheets nailed all 4 edges @ 6" oc with 1½" large-head galv. nails, or equivalent
3	lower chord of truss, not over 4'-0" oc
4	20 ga. x 4" galv. steel strapping, truss to wall, see 6110 note (20)
5	plywood insulation stop between trusses
6	¾" plywood blocking fitted between trusses at sidewalls and parallel to trusses at endwalls; nail to top plate with 3½" 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	¾" soffit and bird screen
9	30 ga. x 16'-3" long prepainted siding steel (diamond rib profile), screw to trusses beside ribs (see (1) for spacing), stagger end joints 8'-0" at trusses and lap 3"
10	lapped 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

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
A	REVISED SCREW SPACING		82 - 12	J.E.T.

CANADA PLAN SERVICE

STEEL CEILING DIAPHRAGM FOR BULK VEGETABLE STORAGES

(not to scale)

DESIGNED D.L.M.	DATE 82 - 05	PLAN NO. 6131
DRAWN R.P./ D.B.	REVISED	YOUR PLAN NO.
TRACED	DETAIL NUMBER ___ ORIGINATES ON SHEET ___ DRAWN ON SHEET ___ (A B C)	
CHECKED J.E.T.		SHEET OF