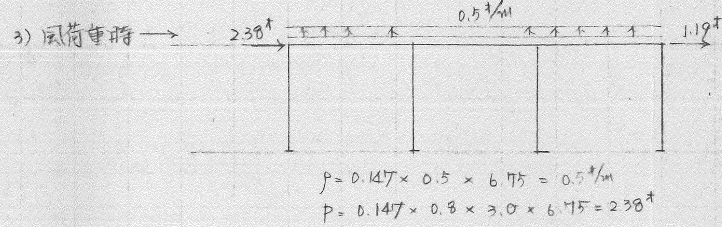
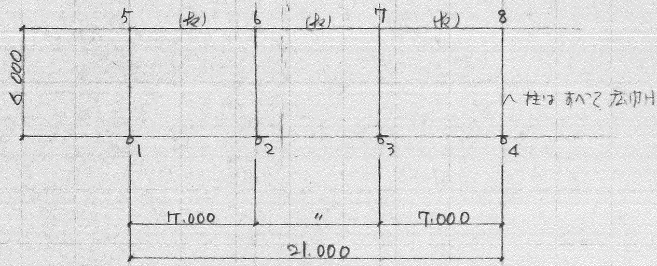


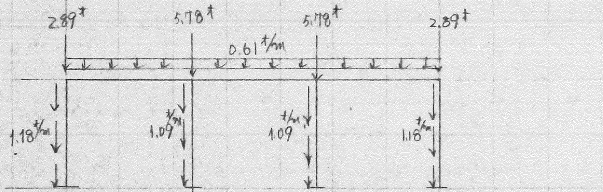
倉庫メインフレーム設計

伊勢崎卸売市場 青果冷蔵庫・倉庫棟-1)

2-1 X1 ~ X3 列 ラーメン インポートクーラー



1) 鉛直荷重時



$$p = 0.115 \times 3.75 = 0.43$$

$$p = 0.06 \times 3.0 = 0.18 \quad 0.61 \text{ t/m}$$

$$p = 0.275 \times 3.75 = 1.03 \text{ t/m}$$

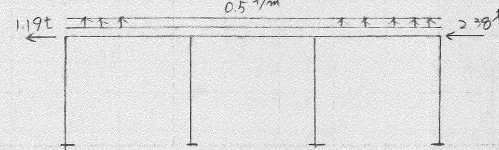
$$p = 0.05 \times 3.0 = 0.15 \quad 1.18 \text{ t/m}$$

$$p = 0.29 \times 3.75 = 1.09 \text{ t/m}$$

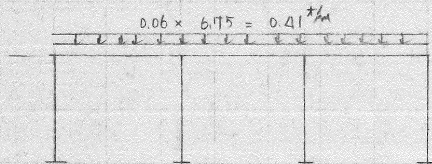
$$p = 0.275 \times 7.0 \times 3.0 = 5.78 \text{ t}$$

$$P = 0.275 \times 3.0 \times 3.5 = 2.8 \text{ t}$$

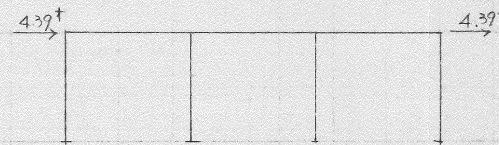
4) 風荷重時 ←



2) 積雪荷重時



5) 地震荷重時 →
6) ' ←



屋根	$0.06 \times 3.0 \times 21 \times 0.2 = 0.76$
屋根	$0.115 \times 3.75 \times 21 \times 0.2 = 1.81$
柱間	$0.275 \times 3.0 \times 21 \times 0.2 = 3.47$
"	$0.29 \times 3.0 \times 3.75 \times 2 \times 0.2 = 1.31$
"	$0.275 \times 3.75 \times 3.0 \times 2 \times 0.2 = 1.24$
"	$0.05 \times 3.0 \times 3.0 \times 2 \times 0.2 = 0.18$
	8.77

** STAN FRAME ** <DCJ-DEM 2D> - - - -gb17- * ISEZAKI SEIKAREIZOKO SOKO(1)

DATE=80-09-17 TIME=14-26-11
* CONTROL DATA * PAGE 1

** ASSUMED CONDITION ON MAIN FRAME ANALYSIS 3>10-14=9

* ITERATION TIMES --- 2 + 1 CYCLES

** MAIN FRAME TYPE NO. 0 - 0

* CONTROL DATA

NUMBER OF NODAL POINTS 8
NUMBER OF SUPPORTING POINTS 4
NUMBER OF MEMBERS 7
NUMBER OF FRAMES 1

* NODAL POINT TABLE

NODE NO.	SUPPORT UVS	X-COORD. (M)	Z-COORD. (M)	NODE NO.	SUPPORT UVS	X-COORD. (M)	Z-COORD. (M)	NODE NO.	SUPPORT UVS	X-COORD. (M)	Z-COORD. (M)
1	110	0.00	0.00	2	110	7.00	0.00	3	110	14.00	0.00
4	110	21.00	0.00	5	0	0.00	0.00	6	0	7.00	0.00
7	0	14.00	0.00	8	0	21.00	0.00				

* MEMBER SECTION TABLE

SECTION NO.	MEMB. TYPE NO.	TRUSS DEPTH (CM)	LATTICE TYPE N	MEMB. TYPE
1	1	H.W	0 0	0 0
2	1	H.M	0 0	0 0
3	1	H.W	0 0	0 0

* MEMBER TABLE

MEMBER NO.	I	K	J	END COND. IJ	SECT. NO. K	SUPPORTING N	SUPPORTING NUMBER (FROM I-END) (M)					* : INITIAL SIZE NO.				LXX (M)		
							(1)	(2)	(3)	(4)	(5)	I-END HAUNCH TYPE NO.	L (CM)	B (CM)	D (CM)		J-END HAUNCH TYPE NO.	L (CM)
1	1	0	5	00	3	3	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.0	0.0	0.0	0.000?
2	1	0	6	00	3	3	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.0	0.0	0.0	0.000?
4	1	0	7	00	3	3	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.0	0.0	0.0	0.000?
5	1	0	8	00	3	3	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.0	0.0	0.0	0.000?
6	1	0	7	00	1	1	1	3.50	0.00	0.00	0.00	0.00	0	0.00	0.0	0.0	0.0	0.000?
7	1	0	8	00	1	2	1	3.50	0.00	0.00	0.00	0.00	0	0.00	0.0	0.0	0.0	0.000?

< WARNING---WA000016> 1;BUCKLING LENGTH(LKX) ISN'T CONSIDERED.

* MEMBER CONTROL TABLE (SAME SIZE, SAME SERIES, ETC.)

MEMBER NO.	CONT. TYPE	MEMBERS					MEMBER NO.	CONT. TYPE	MEMBERS				
		(1)	(2)	(3)	(4)	(5)			(1)	(2)	(3)	(4)	(5)
1	1	2	3	4	0	0	5	1	6	7	0	0	0

** LOAD DATA

NUMBER OF LOAD CASE 6

* JOINT FORCE (INPUT NUMBER 8)

FORCE NO.	H- FORCE (T)	V- FORCE (T)	MOMENT (T.M)	NODAL POINT NO.			
1	0.00	-2.59	0.00	5	8	0	0
2	0.00	-2.78	0.00	7	0	0	0
3	2.38	0.00	0.00	0	0	0	0
4	1.19	0.00	0.00	0	0	0	0
5	-1.19	0.00	0.00	0	0	0	0
6	-2.38	0.00	0.00	0	0	0	0
7	4.39	0.00	0.00	8	0	0	0
8	-4.39	0.00	0.00	8	0	0	0

* MEMBER FORCE (INPUT NUMBER 6)

NOTE CASE G GLOBAL CO-ORDINATE
 L LOCAL CO-ORDINATE W-TYPE 1 UNIFORM LOAD
 DIRECTION X X-DIRECTION LOAD
 Z Z-DIRECTION LOAD

FORCE NO.	CASE	DIRECTION	W TYPE	W (T/M)	CONCENTRATED LOAD (T, M)						MEMBER NO.					
					P1	L1	P2	L2	P3	L3	1	4	0	0		
1	GLOBAL	Z	1	-1.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	4	0	0
2	GLOBAL	Z	1	-1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2	3	0	0
3	GLOBAL	Z	1	-0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5	6	7	0
4	GLOBAL	Z	1	-0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5	6	7	0
5	GLOBAL	Z	1	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5	6	7	0

** 1 - FRAME

** MAIN FRAME LOAD CONDITION

NOTE	CASE	G	GLOBAL CO-ORDINATE	W-TYPE	1	UNIFORM LOAD	2	KANENOKO
		L	LOCAL CO-ORDINATE		3	KAMENOKO -1	4	KAMENOKO -2
					5	KAMENOKO -3		

DIRECTION X X-DIRECTION LOAD
 Z Z-DIRECTION LOAD

R DEAD+LIV LOAD

JOINT FORCE	NODE NO.	H-FORCE (T)	V-FORCE (T)	MOMENT (T.M)	NODE NO.	H-FORCE (T)	V-FORCE (T)	MOMENT (T.M)
	1	0.00	0.00	0.00	2	0.00	0.00	0.00
	3	0.00	0.00	0.00	4	0.00	0.00	0.00
	5	0.00	-2.89	0.00	6	0.00	-2.89	0.00
	7	0.00	-5.78	0.00	8	0.00	-2.89	0.00

MEMBER FORCE	MEMBER I - J	CASE	DIREC-TION	W TYPE	W	CONCENTRATED FORCE (T, M)									
						P1	L1	P2	L2	P3	L3	P4	L4	P5	L5
						P6	L6	P7	L7	P8	L8	P9	L9	P10	L10
	1-2	G	Z	1	-1.18										
	2-3	G	Z	1	-1.09										
	3-4	G	Z	1	-1.09										
	4-5	G	Z	1	-1.18										
	5-6	G	Z	1	-0.91										
	6-7	G	Z	1	-0.91										
	7-8	G	Z	1	-0.91										

R SNOW LOAD

MEMBER FORCE	MEMBER I - J	CASE	DIREC-TION	W TYPE	W	CONCENTRATED FORCE (T, M)									
						P1	L1	P2	L2	P3	L3	P4	L4	P5	L5
						P6	L6	P7	L7	P8	L8	P9	L9	P10	L10
	5-6	G	Z	1	-0.41										
	6-7	G	Z	1	-0.41										
	7-8	G	Z	1	-0.41										

R WIND (R) LOAD

JOINT FORCE	NODE NO.	H-FORCE (T)	V-FORCE (T)	MOMENT (T.M)	NODE NO.	H-FORCE (T)	V-FORCE (T)	MOMENT (T.M)
	1	0.00	0.00	0.00	2	0.00	0.00	0.00
	3	0.00	0.00	0.00	4	0.00	0.00	0.00
	5	2.38	0.00	0.00	6	0.00	0.00	0.00
	7	0.00	0.00	0.00	8	1.19	0.00	0.00

MEMBER FORCE	MEMBER I - J	CASE	DIREC-TION	W TYPE	W	CONCENTRATED FORCE (T, M)									
						P1	L1	P2	L2	P3	L3	P4	L4	P5	L5
						P6	L6	P7	L7	P8	L8	P9	L9	P10	L10
	5-6	L	Z	1	0.50										
	6-7	L	Z	1	0.50										
	7-8	L	Z	1	0.50										

R WIND (L) LOAD

JOINT FORCE	NODE NO.	H-FORCE (T)	V-FORCE (T)	MOMENT (T.M)	NODE NO.	H-FORCE (T)	V-FORCE (T)	MOMENT (T.M)
	1	0.00	0.00	0.00	2	0.00	0.00	0.00
	3	0.00	0.00	0.00	4	0.00	0.00	0.00
	5	-1.19	0.00	0.00	6	0.00	0.00	0.00
	7	0.00	0.00	0.00	8	-2.38	0.00	0.00

** 1 - FRAME

** MAIN FRAME LOAD CONDITION

NOTE

CASE

0 GLOBAL CO-ORDINATE
 1 LOCAL CO-ORDINATE

W-TYPE

1 UNIFORM LOAD
 3 KAMENOKO -1
 5 KAMENOKO -3

2 KAMENOKO
 4 KAMENOKO -2

DIRECTION

X X-DIRECTION LOAD
 Z Z-DIRECTION LOAD

* WIND (L) LOAD

MEMBER FORCE

MEMBER

CASE

DIREC
-TION

W
TYPE

W

CONCENTRATED FORCE (T, M)

P1 L1 P2 L2 P3 L3 P4 L4 P5 L5
 P6 L6 P7 L7 P8 L8 P9 L9 P10 L10

5	6	L	Z	1	0.50	T/M
9	7	L	Z	1	0.50	T/M
7	8	L	Z	1	0.50	T/M

* SEIS (R) LOAD <FROM BRACE>

JOINT FORCE

NODE
NO.

H-FORCE
(T)

V-FORCE
(T)

MOMENT
(T.M)

NODE
NO.

H-FORCE
(T)

V-FORCE
(T)

MOMENT
(T.M)

1	0.00	0.00	0.00	2	0.00	0.00	0.00
3	0.00	0.00	0.00	4	0.00	0.00	0.00
5	4.39	0.00	0.00	6	0.00	0.00	0.00
7	0.00	0.00	0.00	8	4.39	0.00	0.00

* SEIS (L) LOAD <FROM BRACE>

JOINT FORCE

NODE
NO.

H-FORCE
(T)

V-FORCE
(T)

MOMENT
(T.M)

NODE
NO.

H-FORCE
(T)

V-FORCE
(T)

MOMENT
(T.M)

1	0.00	0.00	0.00	2	0.00	0.00	0.00
3	0.00	0.00	0.00	4	0.00	0.00	0.00
5	-4.39	0.00	0.00	6	0.00	0.00	0.00
7	0.00	0.00	0.00	8	-4.39	0.00	0.00