
CONDITION OF STAN FRAME PROGRAM FOR DESIGN

NAME OF PROGRAM BLOCK	ERROR	WARNING
CONTROL DATA	0	1
MAIN FRAME DESIGN	0	0
OTHER MEMBERS DESIGN	0	0
TOTAL	0	1

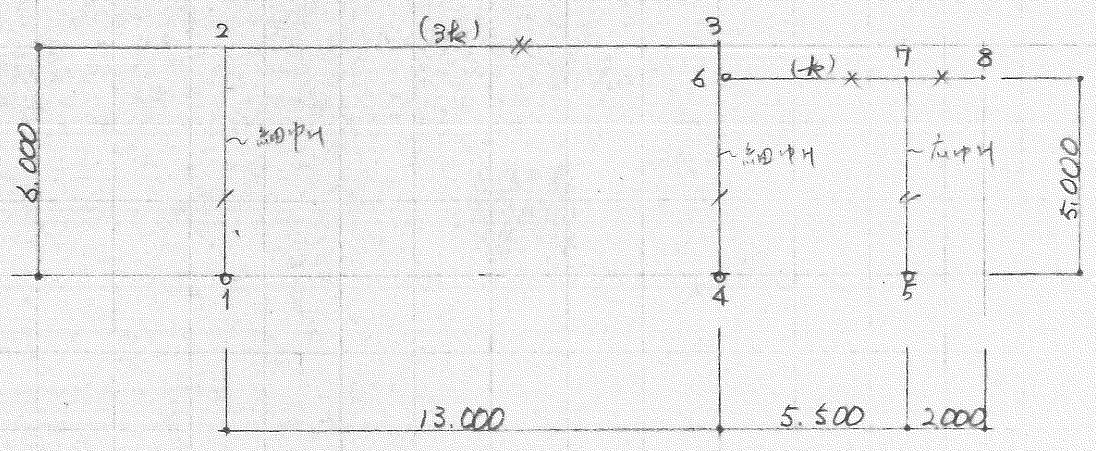
*** PLEASE CHECK THESE MESSAGES ***

END OF STAN FRAME

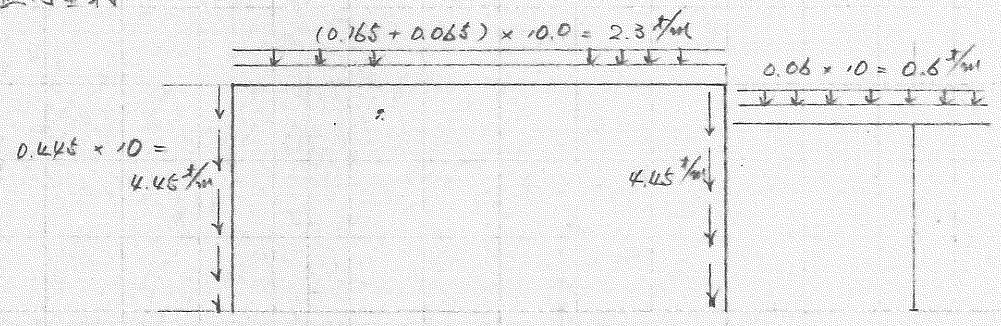
多工 X1-7-6 設計

伊勢崎卸元市場水産冷蔵庫棟-(1)

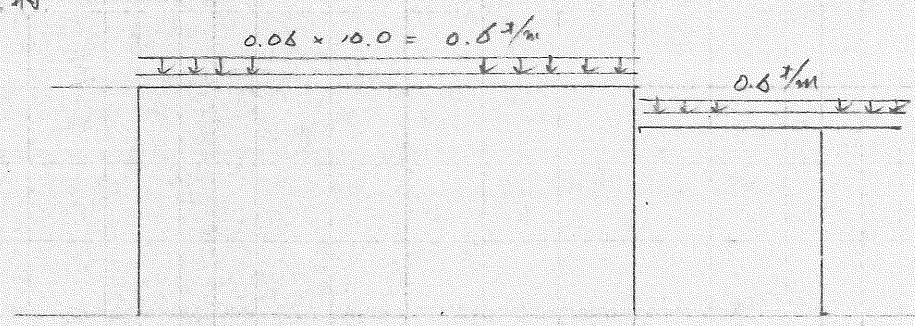
2-1 X列ラタン



1) 鉛直荷重時

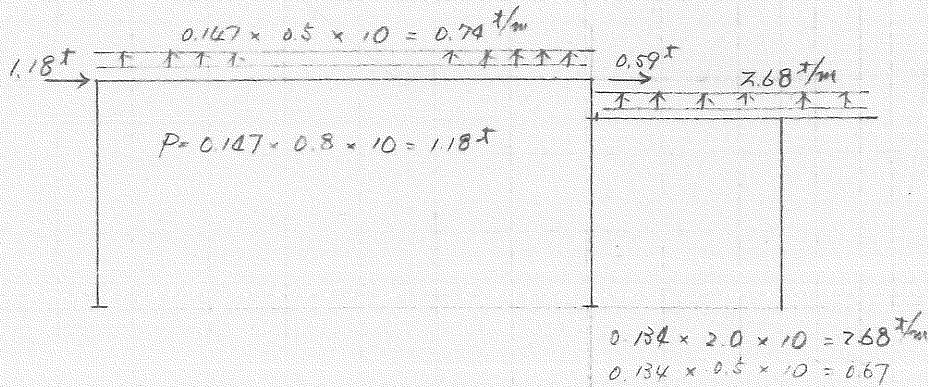


2) 積雪荷重時

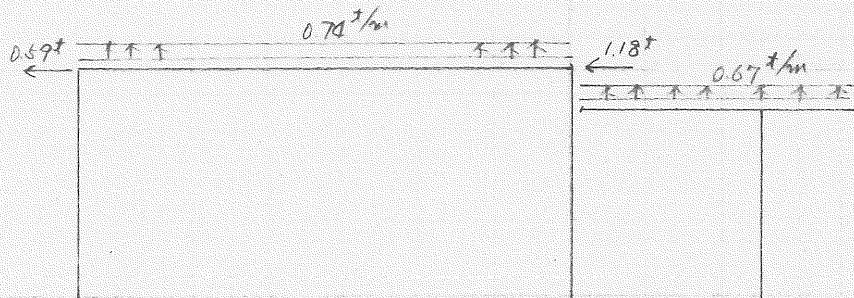


② 桁 0.445 x 3
 ' 0.445 x 3
 床 0.06 x 2

3) 風荷重時 →

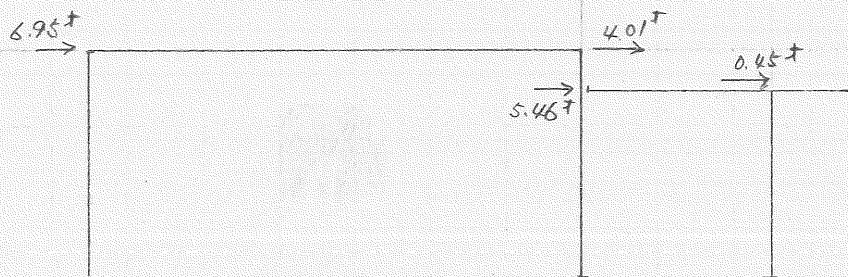


4) 風荷重時 ←



5) 地震荷重時 →

6) ' ←



$10 \times 0.2 = 3.11$
 $6.5 \times 0.2 = 2.02$
 $10 \times 0.2 = 0.33 \quad 5.46$

② 柱 $(0.165 + 0.03) \times 6.5 \times 10 \times 0.2 = 2.54t$
 桁 $0.445 \times 3.0 \times 10 \times 0.2 = 2.67$
 桁 $0.445 \times 3.0 \times 6.5 \times 0.2 = 1.74 \quad 6.95t$

④ 庇 $0.06 \times 3.75 \times 10 \times 0.2 = 0.45t$

③ 柱 $2.54t$
 桁 $0.445 \times 1.0 \times 10 \times 0.2 = 0.89$
 " $0.445 \times 1.0 \times 6.5 \times 0.2 = 0.58 \quad 4.01$

** ASSUMED CONDITION ON MAIN FRAME ANALYSIS 1-10-17-9

* ITERATION TIMES --- 2 * 1 CYCLES

** MAIN FRAME TYPE NO. 0 - 0

II. CONTROL DATA

NUMBER OF NODAL POINTS 5
 NUMBER OF SUPPORTING POINTS 3
 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	0	0.00	6.00	3	0	15.00	6.00
4	110	12.00	0.00	5	110	18.50	0.00	6	0	13.00	5.00
7	0	18.50	5.00	8	0	20.50	5.00				

II. MEMBER SECTION TABLE

SECTION NO.	MEMB. TYPE NO.	TRUSS DEPTH (CM)	LATTICE TYPE	MEMB. TYPE
1	1	H*N	0.0	0 0
2	1	H*M	0.0	0 0
3	1	H*N	0.0	0 0

* MEMBER TABLE

MEMBER NO.	I	K	J	END COND. I-J	SECT. NO. R	SUPPORTING NO. R	SUPPORTING NUMBER (FROM I-END) (M)					* : INITIAL SIZE NO.				L KX (M)					
							(1)	(2)	(3)	(4)	(5)	I-END HAUNCH TYPE NO.	L (M)	B (CM)	D (CM)		J-END HAUNCH TYPE NO.	L (M)	B (CM)	D (CM)	
1	1	0	2	00	1	2	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.0	0.0	0	0.00	0.0	0.0	0.00
2	4	0	0	00	1	2	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.0	0.0	0	0.00	0.0	0.0	0.00
3	6	0	3	00	1	2	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.0	0.0	0	0.00	0.0	0.0	0.00
4	6	0	7	00	3	3	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.0	0.0	0	0.00	0.0	0.0	0.00
5	2	0	3	00	1	2	3	3.25	0.00	0.00	0.00	0.00	0	0.00	0.0	0.0	0	0.00	0.0	0.0	0.00
6	6	4	7	10	1	2	1	2.75	0.00	0.00	0.00	0.00	0	0.00	0.0	0.0	0	0.00	0.0	0.0	0.00
7	7	0	6	00	1	2	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.0	0.0	0	0.00	0.0	0.0	0.00

< WARNING---WA000016 > #BUCKLING LENGTH(LKX) IS NOT CONSIDERED.

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

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

** LOAD DATA

NUMBER OF LOAD CASE 5

* JOINT FORCE (INPUT NUMBER 12)

FORCE NO.	H- FORCE (T)	V- FORCE (T)	MOMENT (T.M)	NODAL POINT NO.			
3	1.18	0.00	0.00	2	0	0	0
3	0.59	0.00	0.00	3	0	0	0
4	-0.59	0.00	0.00	4	0	0	0
4	-1.18	0.00	0.00	5	0	0	0
5	6.95	0.00	0.00	6	0	0	0
5	-6.95	0.00	0.00	7	0	0	0
6	4.01	0.00	0.00	8	0	0	0
6	-4.01	0.00	0.00	9	0	0	0
7	3.46	0.00	0.00	10	0	0	0
7	-3.46	0.00	0.00	11	0	0	0
8	0.45	0.00	0.00	12	0	0	0
8	-0.45	0.00	0.00	13	0	0	0

* MEMBER FORCE (INPUT NUMBER 8)

NOTE CASE 5 GLOBAL CO-ORDINATE
L LOCAL CO-ORDINATE
DIRECTION X X-DIRECTION LOAD
Z Z-DIRECTION LOAD

W-TYPE 1 UNIFORM LOAD

FORCE NO.	CASE	DIRECTION	W TYPE	W (T/M)	CONCENTRATED LOAD (T, M)						MEMBER NO.						
					P1	L1	P2	L2	P3	L3	1	2	3	4			
1	GGG	Z	1	-4.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	2	3	0	0
1	GGG	Z	1	-2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5	6	7	0	0
2	GGG	Z	1	-0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5	6	7	0	0
3	GGG	Z	1	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5	6	7	0	0
4	GGG	Z	1	2.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5	6	7	0	0
4	GGG	Z	1	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8	9	10	0	0
4	GGG	Z	1	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8	9	10	0	0

** 1 - FRAME

** MAIN FRAME LOAD CONDITION

NOTE

CASE

G GLOBAL CO-ORDINATE
L 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

* DEAD+LIV LOAD

MEMBER FORCE	MEMBER I - J	CASE	DIRECTION	W TYPE	W	CONCENTRATED FORCE (T, M)														
						P1	L1	P2	L2	P3	L3	P4	L4	P5	L5					
	1 2	G	Z	1	-4.45 T/M															
	4 5	G	Z	1	-4.45 T/M															
	2 3	G	Z	1	-4.45 T/M															
	6 7	G	Z	1	-2.30 T/M															
	6 7	G	Z	1	0.00 T/M															
	7 8	G	Z	1	-0.60 T/M															

* SNOW LOAD

MEMBER FORCE	MEMBER I - J	CASE	DIRECTION	W TYPE	W	CONCENTRATED FORCE (T, M)															
						P1	L1	P2	L2	P3	L3	P4	L4	P5	L5						
	2 3	G	Z	1	-0.60 T/M																
	7 8	G	Z	1	-0.60 T/M																

* WIND (R) LOAD

JOINT FORCE				JOINT FORCE			
NO.	H-FORCE (T)	V-FORCE (T)	MOMENT (T.M)	NO.	H-FORCE (T)	V-FORCE (T)	MOMENT (T.M)
1	0.00	0.00	0.00	2	1.18	0.00	0.00
3	0.59	0.00	0.00	4	0.00	0.00	0.00
5	0.00	0.00	0.00	6	0.00	0.00	0.00
7	0.00	0.00	0.00	8	0.00	0.00	0.00

MEMBER FORCE	MEMBER I - J	CASE	DIRECTION	W TYPE	W	CONCENTRATED FORCE (T, M)														
						P1	L1	P2	L2	P3	L3	P4	L4	P5	L5					
	2 3	L	Z	1	0.74 T/M															
	6 7	L	Z	1	2.68 T/M															
	7 8	L	Z	1	2.68 T/M															

* WIND (L) LOAD

JOINT FORCE				JOINT FORCE			
NO.	H-FORCE (T)	V-FORCE (T)	MOMENT (T.M)	NO.	H-FORCE (T)	V-FORCE (T)	MOMENT (T.M)
1	0.00	0.00	0.00	2	-0.59	0.00	0.00
3	-1.18	0.00	0.00	4	0.00	0.00	0.00
5	0.00	0.00	0.00	6	0.00	0.00	0.00
7	0.00	0.00	0.00	8	0.00	0.00	0.00

MEMBER FORCE	MEMBER I - J	CASE	DIRECTION	W TYPE	W	CONCENTRATED FORCE (T, M)														
						P1	L1	P2	L2	P3	L3	P4	L4	P5	L5					
	2 3	L	Z	1	0.74 T/M															
	6 7	L	Z	1	0.67 T/M															
	7 8	L	Z	1	0.67 T/M															

** 1 - FRAME

** MAIN FRAME LOAD CONDITION

NOTE

CASE

0 GLOBAL CO-ORDINATE
1 LOCAL CO-ORDINATE

W-TYPE

1 UNIFORM LOAD 2 KAMENOKO
3 KAMENOKO -1 4 KAMENOKO -2
5 KAMENOKO -3

DIRECTION X X-DIRECTION LOAD
2 Z-DIRECTION LOAD

< R 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	6.95	0.00	0.00
	3	4.01	0.00	0.00	4	0.00	0.00	0.00
	5	0.00	0.00	0.00	6	5.46	0.00	0.00
	7	0.45	0.00	0.00	8	0.00	0.00	0.00

< L 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	-6.95	0.00	0.00
	3	-4.01	0.00	0.00	4	0.00	0.00	0.00
	5	0.00	0.00	0.00	6	-5.46	0.00	0.00
	7	-0.45	0.00	0.00	8	0.00	0.00	0.00