```
** MAIN FRAME REACTION TABLE (FOR COMBINED LOAD)

**  1 - FRAME

    NODE   LOAD   H.FORCE     V.FORCE      MOMENT                 NODE   LOAD   H.FORCE     V.FORCE      MOMENT
     NO.    NO.     (TON)       (TON)       (T.M)                  NO.    NO.     (TON)       (TON)       (T.M)

      1      1       0.05        5.67        0.00                    2      1       0.06       11.11        0.00
             2       0.10        6.37        0.00                           2       0.12       13.56        0.00
             3      -0.59        3.75        0.00                           3      -0.75        8.80        0.00
             4       0.57        5.87        0.00                           4       0.73        7.37        0.00
             5      -1.36        3.10        0.00                           5      -1.73       12.84        0.00
             6       1.46        8.24        0.00                           6       1.85        9.38        0.00

      3      1      -0.06       11.11        0.00                    4      1      -0.05        5.67        0.00
             2      -0.12       13.56        0.00                           2      -0.10        6.37        0.00
             3      -0.73        7.37        0.00                           3      -0.57        5.87        0.00
             4       0.75        8.80        0.00                           4       0.59        3.75        0.00
             5      -1.85        9.38        0.00                           5      -1.46        8.24        0.00
             6       1.73       12.84        0.00                           6       1.36        3.10        0.00
```

No. 53

```
** STAN FRAME ** <BCJ-DEN 20>   -    -    -    -G818-   * ISEZAKI SEIKAREIZOKO SOKO(2)             DATE=80-09-17 TIME=14-29-25
** TYPE NO. 0- 0 **                                                                           * MAIN FRAME DESIGN * PAGE  10

** DESIGN OF MAIN FRAME

   * ALL STRESSES ARE REPLACED WITH SHORT TERM         F = 2400. (KG/CM2)

   *  1 - FRAME
```

※ 柱材の断面設計は別紙参照のこと。

```
     MEMBER LOAD    MI      MC       M2  MOMENT  AXIAL    LKX       LY   FC,FT     LB       C        FB   SIGMA/F        DESIGN MEMBER
      I   J  NO.  (T.M)   (T.M)    (T.M)  SHEAR   (T)     (M)      (M) (KG/CM2)   (M)               FS    TAU/F

      1   5   6    0.0 +-  4.4     8.8    8.8    -6.7    0.00     6.00  1046.    6.00     1.75    2400.   0.659     ~~H- 208X 202X10.0X16.0~~
                                          1.5                                                     1350.   0.052

      2   6   6    0.0 +-  5.6    11.1   11.1    -9.4    0.00     6.00  1046.    6.00     1.75    2400.   0.844     ~~H- 208X 202X10.0X16.0~~
                                          1.9                                                     1350.   0.066

      3   7   5   -0.0 -+  5.6   -11.1   11.1    -9.4    0.00     6.00  1046.    6.00     1.75    2400.   0.844     ~~H- 208X 202X10.0X16.0~~
                                          1.9                                                     1350.   0.066

      4   8   5   -0.0 -+  4.4    -8.8    6.8    -6.7    0.00     6.00  1046.    6.00     1.75    2400.   0.659     ~~H- 208X 202X10.0X16.0~~
                                          1.5                                                     1350.   0.052

      5   6   5    6.1 -+  5.0    -1.2    8.1    -1.8    0.00     3.00  1468.    3.00     1.60    2147.   0.925     ~~H- 298X 149X 5.5X 8.0~~
                                          2.8                                                     1350.   0.125      H-300 x 140 x 6.5 x 9.0

                   1.2 +-  3.3     8.5    8.5    -1.8    0.00     3.00  1468.    3.00     1.90    2187.   0.944
                                          3.7                                                     1350.   0.166

      6   7   6   -5.7 +-  1.5    -1.2    5.7    -0.1    0.00     4.50   767.    4.50     1.98    1939.   0.692     ~~H- 298X 149X 5.5X 8.0~~
                                          2.2                                                     1350.   0.099
                                                                                                                     H-300 x 140 x 6.5 x 9.0
                   1.2 -+  2.3    -1.9    2.3    -0.1    0.00     4.50   767.    4.50     1.00    1487.   0.369
                                          0.8                                                     1350.   0.038

      7   8   6   -8.5 +-  3.3    -1.2    8.5    -1.8    0.00     3.00  1468.    3.00     1.90    2187.   0.944     ~~H- 298X 149X 5.5X 8.0~~
                                          3.7                                                     1350.   0.166
                                                                                                                     H-300 x 140 x 6.5 x 9.0
                   1.2 -+  5.0    -8.1    8.1    -1.8    0.00     3.00  1468.    3.00     1.60    2147.   0.925
                                          2.8                                                     1350.   0.125
```

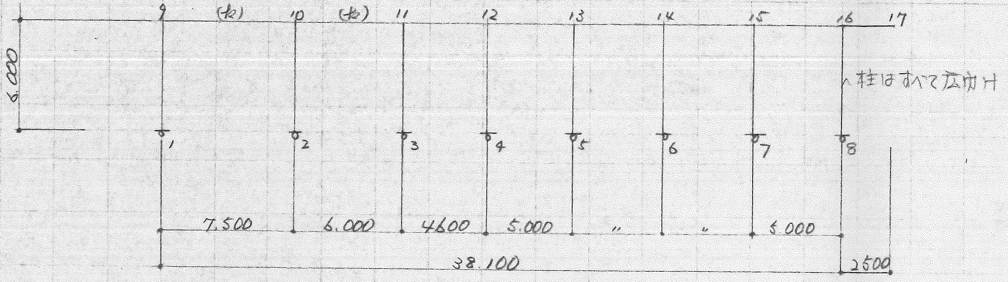
```
                                                                               DATE : 80-09-17  TIME : 14-29-25
**   COLUMN   **          10        20        30        40        50        60        70        80
                  ----+----+----+----+----+----+----+----+----+----+----+----+----+----+----+----+

** INPUT DATA ** (START       007 80268                                                   G8180010)
** INPUT DATA ** (ISEZAKI SEIKAREIZOKO SOKO(2)                                            G8180020)
** INPUT DATA ** (                -G818   80- 9-17 3   2 2                   0            G8180030)
** INPUT DATA ** (   8   4   7   1                           1                            G8180100)
** INPUT DATA ** (  1110   0.      0.     2110   6.      0.     3110  15.      0.         G8180111)
** INPUT DATA ** (  4110  21.      0.     5      0.      6.     6      6.      6.         G8180112)
** INPUT DATA ** (  7     15.      6.     8     21.      6.                               G8180113)
** INPUT DATA ** ( 3                                                                      G8180200)
** INPUT DATA ** ( 1 1 1 1                2 1 1 2                3 1 1 3                  G8180211)
** INPUT DATA ** (  1 1   5   3                                                           G8180301)
** INPUT DATA ** (  2 2   6   3                                                           G8180302)
** INPUT DATA ** (  3 3   7   3                                                           G8180303)
** INPUT DATA ** (  4 4   8   3                                                           G8180304)
** INPUT DATA ** (  5 5   6   1   11                                                      G8180305)
** INPUT DATA ** (  6 6   7   1   11                                                      G8180306)
** INPUT DATA ** (  7 7   8   1   11                                                      G8180307)
** INPUT DATA ** (   2                                                                    G8180400)
** INPUT DATA ** (  1 1  2  3  4        5 1 6  7                                          G8180411)
** INPUT DATA ** ( 6                                                                      G8180600)
** INPUT DATA ** ( 1 1                      1                                             G8180601)
** INPUT DATA ** ( 2 1 1.0  2               2                                             G8180602)
** INPUT DATA ** ( 3 1 1.0  3               2                                             G8180603)
** INPUT DATA ** ( 4 1 1.0  4               2                                             G8180604)
** INPUT DATA ** ( 5 1 1.0  5               2                                             G8180605)
** INPUT DATA ** ( 6 1 1.0  6               2                                             G8180606)
** INPUT DATA ** (   6   8   5                                                             G8180700)
** INPUT DATA ** ( 1DEAD+LIV 2SNOW     3WIND (R) 4WIND (L) 5SEIS (R) 6SEIS (L)            G8180711)
** INPUT DATA ** ( 1                 -3.47    5  8                                        G8180801)
** INPUT DATA ** ( 1                 -8.66    6  7                                        G8180802)
** INPUT DATA ** ( 3   1.76                   5                                           G8180803)
** INPUT DATA ** ( 3   0.88                   8                                           G8180804)
** INPUT DATA ** ( 4  -0.88                   5                                           G8180805)
** INPUT DATA ** ( 4  -1.76                   8                                           G8180806)
** INPUT DATA ** ( 5    3.2                   5  8                                        G8180807)
** INPUT DATA ** ( 6   -3.2                   5  8                                        G8180808)
** INPUT DATA ** ( 1GZ -0.3                                            5   6   7          G8180901)
** INPUT DATA ** ( 2GZ -0.3                                            5   6   7          G8180902)
** INPUT DATA ** ( 3LZ 0.37                                            5   6   7          G8180903)
** INPUT DATA ** ( 4LZ 0.37                                            5   6   7          G8180904)
** INPUT DATA ** ( 1GZ -0.25                                           1   4              G8180905)

                  ----+----+----+----+----+----+----+----+----+----+----+----+----+----+----+----+
**   COLUMN   **          10        20        30        40        50        60        70        80
                                                                               DATE : 80-09-17  TIME : 14-29-25
```

No. 55

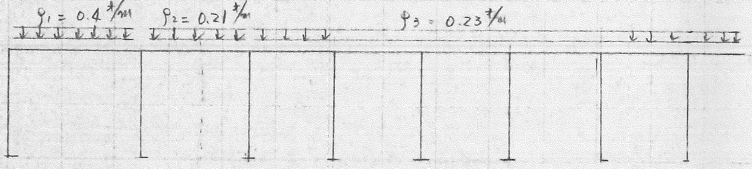
伊勢崎卸売市場 青果冷蔵庫 倉庫棟 -(3)

2-3

Y1 ~ Y4 列 ラーメン インプット データー



1) 鉛直荷重時

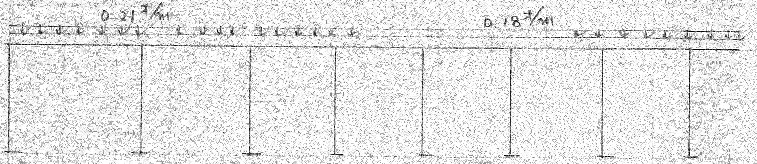


ヤネ $\rho_1 = (0.06 + 0.055) \times 3.5 = 0.40^{t}/m$

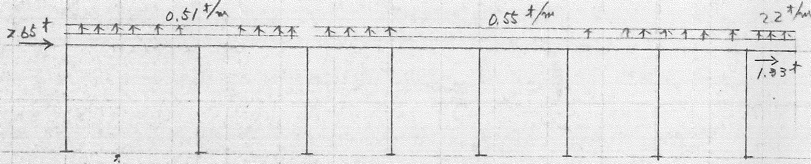
〃 $\rho_2 = 0.06 \times 3.5 = 0.21^{t}/m$

〃 $\rho_3 = 0.06 \times 3.75 = 0.23^{t}/m$

2) 積雪荷重時



3) 風荷重時 →



$\rho_1 = 0.147 \times 0.5 \times 7.0 = 0.51^{t}/m$

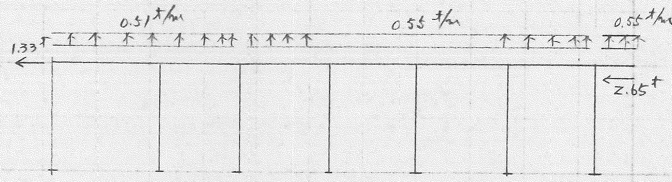
$\rho_2 = 0.147 \times 0.5 \times 7.5 = 0.55$

$P = 0.147 \times 0.8 \times 3.0 \times 7.5 = 2.65^{t}$

$\rho_3 = 0.147 \times 2.0 \times 7.5 = 2.2^{t}/m$

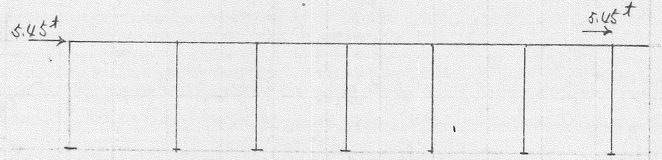
$\rho_4 = \quad 0.5 \quad = 0.55^{t}/m$

4) 風荷重時 ←



5) 地震荷重時 →

6) 〃 ←



ヤネ $(0.06 + 0.055) \times 7.5 \times 7.0 \times 0.2 = 1.21$

〃 $0.06 \times 7.0 \times 6.0 \times 0.2 = 0.08$

〃 $0.06 \times 7.0 \times 27.1 \times 0.2 = 2.28$

カベ $0.275 \times 3.0 \times 7.0 \times 0.2 \times 2 = 2.31$

〃 $0.29 \times 3.0 \times 7.5 \times 0.2 = 1.31$

〃 $0.385 \times 3.0 \times 7.5 \times 2 \times 0.2 = 3.47$

〃 $0.05 \times 3.0 \times 7.5 \times 0.2 = 0.23$

$\Sigma KW = 10.89^{t}$ $\quad 5.45^{t}$

[redacted]

```
** STAN FRAME ** <BCJ-DEN 20>   -   -   -   -G819-   * ISEZAKI OROSHI ICHIBA  SOKO 3        DATE=60-09-17 TIME=17-39-42
** TYPE NO. 0- 0 **                                                                          * CONTROL DATA * PAGE    1

** ASSUMED CONDITION ON MAIN FRAME ANALYSIS

   * ITERATION TIMES ---  2 + 1 CYCLES

** MAIN FRAME TYPE NO.  0 -  0

   * CONTROL DATA

      NUMBER OF NODAL POINTS           17
      NUMBER OF SUPPORTING POINTS       8
      NUMBER OF MEMBERS                16
      NUMBER OF FRAMES                  1

   * NODAL POINT TABLE

      NODE  SUPPORT X-COORD. Z-COORD.           NODE  SUPPORT X-COORD. Z-COORD.           NODE  SUPPORT X-COORD. Z-COORD.
       NO.    UVS      (M)      (M)              NO.    UVS      (M)      (M)              NO.    UVS      (M)      (M)

        1     110      0.00     0.00              2     110      7.50     0.00              3     110     13.50     0.00
        4     110     18.10     0.00              5     110     23.10     0.00              6     110     28.10     0.00
        7     110     33.10     0.00              8     110     38.10     0.00              9       0      0.00     6.00
       10       0      7.50     6.00             11       0     13.50     6.00             12       0     18.10     6.00
       13       0     23.10     6.00             14       0     28.10     6.00             15       0     33.10     6.00
       16       0     38.10     6.00             17       0     40.60     6.00

   * MEMBER SECTION TABLE

       SECTION    MEMB.   TRUSS     LATTICE
         NO.      TYPE    DEPTH    TYPE N   MEMB.
                   NO.     (CM)             TYPE

           1       1 H.N    0.0     0   0
           2       1 H.M    0.0     0   0
           3       1 H.W    0.0     0   0
```

No. 58

```
 * MEMBER TABLE
                                                                                                * : INITIAL SIZE NO.
     MEMBER    I  K  J   END  SECT. SUPPORTING NUMBER (FROM I-END) (M)     I-END HAUNCH TYPE         J-END HAUNCH TYPE         LKX
      NO.                COND. NO. *   N   (1)    (2)    (3)    (4)    (5)   TYPE   L     B     D     TYPE   L     B     D      (M)
                          IJ                                                  NO.  (M)  (CM)  (CM)    NO.  (M)  (CM)  (CM)

       1       1  0  9    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?
       2       2  0 10    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?
       3       3  0 11    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?
       4       4  0 12    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       5  0 13    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?
       6       6  0 14    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?
       7       7  0 15    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?
       8       8  0 16    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?
       9       9  0 10    00    1  2   1   3.75   0.00   0.00   0.00   0.00     0  0.00   0.0   0.0      0  0.00   0.0   0.0   0.00?
      10      10  0 11    00    1  2   1   3.00   0.00   0.00   0.00   0.00     0  0.00   0.0   0.0      0  0.00   0.0   0.0   0.00?
      11      11  0 12    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?
      12      12  0 13    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?
      13      13  0 14    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?
      14      14  0 15    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?
      15      15  0 16    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?
      16      16  0 17    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) ISN,T CONSIDERED.


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

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

      11       1     12  13  14  15   0                              1       1     2   3   4   5   6
       1       1      7   8   0   0   0
```