

PELLA BUILDING SYSTEMS
906 W 9TH ST
PELLA, IA 50219

REACTIONS & ANCHOR BOLTS
FOR
MEGA Storage
DLR ADDRESS 1
DLR ADDRESS 2

LEES SUMMIT
520 NE TOWN CENTRE DRIVE
LEE'S SUMMIT MO
6 and 7



BUILDING LAYOUT

Width (ft) = 50.0
Length (ft) = 100.0
Eave Height (ft) = 14.8/ 16.9
Roof Slope (rise/12) = 0.50

BUILDING LOADS

Roof Dead Load (psf) = 2.0
Wall Dead Load
Left Endwall (psf) = 2.0
Right Endwall (psf) = 2.0
Front Sidewall (psf) = 2.0
Back Sidewall (psf) = 2.0
Live Load (psf) = 20.0
Collateral Load (psf) = 0.5
Snow Load (psf) = 13.4
Minimum Snow (psf) = 16.0
Wind Speed (mph) = 103.0
Wind Code = IBC 18
Closed/Open = C
Exposure = C
Internal Wind Coeff = -0.18, +0.18
Importance - Wind = 1.00
Importance - Seismic = 1.00
Seismic Design Category = B
Seismic Coeff (Fa*Ss) = 0.16

Designer :
Detailer : JB

8/26/22

| | | | | | | | | | | | | | | | | | | | | |
|---|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 0 | 48 | 1.00 | 1.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 0.45 | 0.0 |
| 0 | 0 | 0.00 | | | | | | | | | | | | | | | | | | |
| 0 | 0 | 49 | 1.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.7 |
| 0 | 0 | 0.00 | | | | | | | | | | | | | | | | | | |
| 0 | 0 | 50 | 1.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.7 |
| 0 | 0 | 0.00 | | | | | | | | | | | | | | | | | | |
| 0 | 0 | 51 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.7 |
| 0 | 0 | 0.00 | | | | | | | | | | | | | | | | | | |
| 0 | 0 | 52 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.7 |
| 0 | 0 | 0.00 | | | | | | | | | | | | | | | | | | |

*AUXILIARY LOADS:

| *No. | Id | Name | No. | Add | -Add_Load- |
|------|----|----------|-----|------|------------|
| | | | Id | Coef | |
| 1 | 1 | MIN_SNOW | 1 | 1 | 1.00 |

*ADDITIONAL LOADS:

| *No. | Id | Surf | Basic | Load | Load | W1 | W2 | D1 | D2 | ---Surface--- | |
|------|----|------|--------|------|------|--------|--------|------|-------|---------------|--------|
| | | Id | Load | Type | Orn | | | | | Start | End |
| 1 | 1 | 2 | U_SNOW | D | T | -16.00 | -16.00 | 0.00 | 50.04 | 0.00 | 100.00 |

| Frame Line | Column Line | -----Foundation_Loads(k)----- | | | | | | Anchor_Bolt | |
|---------------|----------------|-------------------------------|------|-------|----------------------|-------|-------|-------------|-----|
| | | Max_Positive Load | Horz | Vert | Max_Negative Load | Horz | Vert | No. | Dia |
| A | 2 | 1 | 0.43 | -0.06 | 2 | -0.37 | -0.43 | | |
| | | 3 | 0.00 | 0.94 | 4 | -0.37 | -0.46 | | |
| A | 3 | 1 | 0.43 | -0.06 | 2 | -0.37 | -0.43 | | |
| | | 3 | 0.00 | 0.94 | 4 | -0.37 | -0.46 | | |
| A | 4 | 1 | 0.43 | -0.06 | 2 | -0.38 | -0.43 | | |
| | | 3 | 0.00 | 0.94 | 5 | 0.43 | -0.46 | | |
| A | 5 | 1 | 0.43 | -0.06 | 2 | -0.38 | -0.43 | | |
| | | 3 | 0.00 | 0.94 | 5 | 0.43 | -0.46 | | |
| A | 6 | 1 | 0.43 | -0.06 | 2 | -0.40 | -0.42 | | |
| | | 3 | 0.00 | 0.94 | 5 | 0.43 | -0.46 | | |
| A | 7 | 1 | 0.44 | -0.06 | 2 | -0.40 | -0.42 | | |
| | | 3 | 0.00 | 0.94 | 4 | -0.40 | -0.46 | | |
| A | 8 | 1 | 0.44 | -0.06 | 2 | -0.41 | -0.42 | | |
| | | 3 | 0.00 | 0.94 | 5 | 0.44 | -0.46 | | |
| A | 9 | 1 | 0.45 | -0.06 | 2 | -0.41 | -0.42 | | |
| | | 3 | 0.00 | 0.94 | 4 | -0.41 | -0.46 | | |
| A | 10 | 1 | 0.47 | -0.06 | 2 | -0.42 | -0.42 | | |
| | | 3 | 0.00 | 0.94 | 4 | -0.42 | -0.45 | | |
| S | 10 | 1 | 0.47 | -0.06 | 2 | -0.42 | -0.42 | | |
| | | 3 | 0.00 | 0.94 | 4 | -0.42 | -0.45 | | |
| S | 9 | 1 | 0.45 | -0.06 | 2 | -0.41 | -0.42 | | |
| | | 3 | 0.00 | 0.94 | 4 | -0.41 | -0.46 | | |
| S | 8 | 1 | 0.44 | -0.06 | 2 | -0.41 | -0.42 | | |
| | | 3 | 0.00 | 0.94 | 5 | 0.44 | -0.46 | | |
| S | 7 | 1 | 0.44 | -0.06 | 2 | -0.40 | -0.42 | | |
| | | 3 | 0.00 | 0.94 | 4 | -0.40 | -0.46 | | |
| S | 6 | 1 | 0.43 | -0.06 | 2 | -0.40 | -0.42 | | |
| | | 3 | 0.00 | 0.94 | 5 | 0.43 | -0.46 | | |
| S | 5 | 1 | 0.43 | -0.06 | 2 | -0.38 | -0.43 | | |
| | | 3 | 0.00 | 0.94 | 5 | 0.43 | -0.46 | | |
| S | 4 | 1 | 0.43 | -0.06 | 2 | -0.38 | -0.43 | | |
| | | 3 | 0.00 | 0.94 | 5 | 0.43 | -0.46 | | |
| S | 3 | 1 | 0.43 | -0.06 | 2 | -0.37 | -0.43 | | |
| | | 3 | 0.00 | 0.94 | 4 | -0.37 | -0.46 | | |
| S | 2 | 1 | 0.43 | -0.06 | 2 | -0.37 | -0.43 | | |
| | | 3 | 0.00 | 0.94 | 4 | -0.37 | -0.46 | | |
| A | 11 | 1 | 0.10 | 0.00 | 2 | -0.08 | -0.18 | | |
| | | 3 | 0.00 | 0.50 | 4 | -0.08 | -0.20 | | |
| D | 11 | 3 | 0.00 | 1.00 | 4 | 0.00 | -0.44 | | |
| | | 3 | 0.00 | 1.00 | 4 | 0.00 | -0.44 | | |
| G | 11 | 3 | 0.00 | 1.03 | 4 | 0.00 | -0.46 | | |
| | | 3 | 0.00 | 1.03 | 4 | 0.00 | -0.46 | | |
| J | 11 | 3 | 0.00 | 1.03 | 4 | 0.00 | -0.46 | | |
| | | 3 | 0.00 | 1.03 | 4 | 0.00 | -0.46 | | |
| M | 11 | 3 | 0.00 | 1.03 | 4 | 0.00 | -0.46 | | |
| | | 3 | 0.00 | 1.03 | 4 | 0.00 | -0.46 | | |
| P | 11 | 3 | 0.00 | 1.00 | 4 | 0.00 | -0.44 | | |
| | | 3 | 0.00 | 1.00 | 4 | 0.00 | -0.44 | | |
| S | 11 | 1 | 0.10 | 0.00 | 2 | -0.08 | -0.18 | | |
| | | 3 | 0.00 | 0.50 | 4 | -0.08 | -0.20 | | |
| S | 1 | 1 | 0.23 | 0.03 | 2 | -0.20 | -0.04 | | |
| | | 3 | 0.00 | 0.19 | 2 | -0.20 | -0.04 | | |
| R | 1 | 1 | 0.45 | 0.01 | 2 | -0.39 | -0.11 | | |

| | | | | | | | | |
|------------------|----|---|------|-------|---|-------|-------|--|
| | | 3 | 0.00 | 0.35 | 4 | -0.39 | -0.12 | |
| Q | 1 | 1 | 0.43 | 0.01 | 2 | -0.39 | -0.11 | |
| | | 3 | 0.00 | 0.35 | 5 | 0.43 | -0.12 | |
| P | 1 | 3 | 0.00 | 0.35 | 4 | 0.00 | -0.13 | |
| | | 3 | 0.00 | 0.35 | 4 | 0.00 | -0.13 | |
| O | 1 | 1 | 0.46 | 0.01 | 2 | -0.42 | -0.12 | |
| | | 3 | 0.00 | 0.37 | 4 | -0.42 | -0.13 | |
| N | 1 | 1 | 0.46 | 0.01 | 2 | -0.42 | -0.12 | |
| | | 3 | 0.00 | 0.37 | 4 | -0.42 | -0.13 | |
| M | 1 | 3 | 0.00 | 0.37 | 4 | 0.00 | -0.13 | |
| | | 3 | 0.00 | 0.37 | 4 | 0.00 | -0.13 | |
| L | 1 | 1 | 0.46 | 0.01 | 2 | -0.42 | -0.12 | |
| | | 3 | 0.00 | 0.37 | 4 | -0.42 | -0.13 | |
| K | 1 | 1 | 0.46 | 0.01 | 2 | -0.42 | -0.12 | |
| | | 3 | 0.00 | 0.37 | 4 | -0.42 | -0.13 | |
| J | 1 | 3 | 0.00 | 0.37 | 4 | 0.00 | -0.13 | |
| | | 3 | 0.00 | 0.37 | 4 | 0.00 | -0.13 | |
| I | 1 | 1 | 0.46 | 0.01 | 2 | -0.42 | -0.12 | |
| | | 3 | 0.00 | 0.37 | 4 | -0.42 | -0.13 | |
| H | 1 | 1 | 0.46 | 0.01 | 2 | -0.42 | -0.12 | |
| | | 3 | 0.00 | 0.37 | 4 | -0.42 | -0.13 | |
| G | 1 | 3 | 0.00 | 0.37 | 4 | 0.00 | -0.13 | |
| | | 3 | 0.00 | 0.37 | 4 | 0.00 | -0.13 | |
| F | 1 | 1 | 0.46 | 0.01 | 2 | -0.42 | -0.12 | |
| | | 3 | 0.00 | 0.37 | 4 | -0.42 | -0.13 | |
| E | 1 | 1 | 0.46 | 0.01 | 2 | -0.42 | -0.12 | |
| | | 3 | 0.00 | 0.37 | 4 | -0.42 | -0.13 | |
| D | 1 | 3 | 0.00 | 0.35 | 4 | 0.00 | -0.13 | |
| | | 3 | 0.00 | 0.35 | 4 | 0.00 | -0.13 | |
| C | 1 | 1 | 0.43 | 0.01 | 2 | -0.39 | -0.11 | |
| | | 3 | 0.00 | 0.35 | 5 | 0.43 | -0.12 | |
| B | 1 | 1 | 0.45 | 0.01 | 2 | -0.39 | -0.11 | |
| | | 3 | 0.00 | 0.35 | 4 | -0.39 | -0.12 | |
| A | 1 | 1 | 0.23 | 0.03 | 2 | -0.20 | -0.04 | |
| | | 3 | 0.00 | 0.19 | 2 | -0.20 | -0.04 | |
| ----- | | | | | | | | |
| D * | 2 | 1 | 0.23 | -0.18 | 2 | -0.23 | -0.95 | |
| | | 3 | 0.00 | 1.95 | 4 | -0.23 | -1.02 | |
| D * | 3 | 1 | 0.23 | -0.18 | 2 | -0.23 | -0.95 | |
| | | 3 | 0.00 | 1.95 | 4 | -0.23 | -1.02 | |
| D * | 4 | 1 | 0.23 | -0.18 | 2 | -0.23 | -0.95 | |
| | | 3 | 0.00 | 1.95 | 4 | -0.23 | -1.02 | |
| D * | 5 | 1 | 0.23 | -0.18 | 2 | -0.23 | -0.95 | |
| | | 3 | 0.00 | 1.95 | 4 | -0.23 | -1.02 | |
| D * | 6 | 1 | 0.24 | -0.17 | 2 | -0.24 | -0.95 | |
| | | 3 | 0.00 | 1.95 | 4 | -0.24 | -1.02 | |
| D * | 7 | 1 | 0.24 | -0.17 | 2 | -0.24 | -0.95 | |
| | | 3 | 0.00 | 1.95 | 4 | -0.24 | -1.02 | |
| D * | 8 | 1 | 0.24 | -0.17 | 2 | -0.24 | -0.95 | |
| | | 3 | 0.00 | 1.95 | 4 | -0.24 | -1.02 | |
| D * | 9 | 1 | 0.24 | -0.17 | 2 | -0.24 | -0.95 | |
| | | 3 | 0.00 | 1.95 | 4 | -0.24 | -1.02 | |
| D * | 10 | 1 | 0.25 | -0.17 | 2 | -0.25 | -0.95 | |
| | | 3 | 0.00 | 1.95 | 4 | -0.25 | -1.02 | |
| ----- | | | | | | | | |
| D * Frame Lines: | | D | G | J | M | P | | |

| Load Id | Load Combination |
|---------|--|
| 1 | 0.6Dead+0.6Wind_Right2+0.6Wind_Suction |
| 2 | Dead+0.6Wind_Pressure+0.6Wind_Long1 |
| 3 | Dead+Collateral+Live |
| 4 | 0.6Dead+0.6Wind_Pressure+0.6Wind_Long1 |
| 5 | 0.6Dead+0.6Wind_Suction+0.6Wind_Long1 |

BRACING/PANEL SHEAR REACTIONS:

| ---Wall-- | | Column_Line | | -----Bracing(k)----- | | | | Panel_Shear (lb/ft) | |
|-----------|------|-------------|-----|-----------------------|------|------|------|---------------------|------|
| Loc | Line | Start | End | Horz | Vert | Horz | Vert | Wind | Seis |
| B_SW | | | | | | | | 63.25 | 9.06 |
| L_EW | | | | | | | | 26.76 | 1.75 |
| Tran | | | | | | | | 55.18 | 2.89 |
| Tran | | | | | | | | 56.85 | 2.95 |
| Tran | | | | | | | | 56.85 | 2.95 |
| Tran | | | | | | | | 56.85 | 2.95 |
| Tran | | | | | | | | 55.18 | 2.89 |
| R_EW | | | | | | | | 26.76 | 1.75 |

Building Data

```

-----
Code           = IBC 18
Length         = 100.00
Width          = 50.00
Left Eave Height = 14.79
Right Eave Height = 16.88

```

Seismic Formula

```

-----
Base Shear, V      = 0.667*Ie*Fa*Ss*W/R

                Vmin = 0.044*Sds*Ie*W
                Vmax = Sd1*Ie*W/(T*R)

T(Moment_Frame)   = 0.255
Shear Force, E    = Omega*Rho*V

T(Braced_Frame)   = 0.159
Fa*Ss             = 0.160
Zone/Design Category = B
Ie                = 1.200
S1                = 0.068
Sd1               = 0.107
Sds               = 0.105

```

Seismic Dead Load

```

-----
Roof Dead        = 2.50 (psf )
Roof Total       = 2.50 (psf )
Endwall Dead     = 2.00 (psf )
Sidewall Dead    = 2.00 (psf )
Interior Wall Dead = 2.00 (psf )

```

Seismic Forces

Longitudinal Panel

R = 3.00, Omega= 3.00

```

B_SW           W = 21.21 (k )
Force, V      = 0.91 (k )
Force, E      = 2.72 (k )

```

Transverse Panel

R = 3.00, Omega= 3.00

```

L_EW           W = 2.05 (k )
Force, V      = 0.09 (k )
Force, E      = 0.26 (k )

```

```

@ 16.0         W = 3.38 (k )
Force, V      = 0.14 (k )
Force, E      = 0.43 (k )

```

```

@ 33.0         W = 3.46 (k )
Force, V      = 0.15 (k )
Force, E      = 0.44 (k )

```


@ 50.0 W = 3.46 (k)
Force, V = 0.15 (k)
Force, E = 0.44 (k)

@ 67.0 W = 3.46 (k)
Force, V = 0.15 (k)
Force, E = 0.44 (k)

@ 84.0 W = 3.38 (k)
Force, V = 0.14 (k)
Force, E = 0.43 (k)

R_EW W = 2.05 (k)
Force, V = 0.09 (k)
Force, E = 0.26 (k)

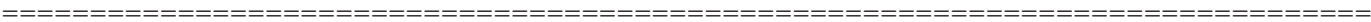
Total Base Shear

Longitudinal

Force, V = 0.91 (k)

Transverse

Force, V = 0.91 (k)



```

*( 1)VERSION/UNITS:
*VERSION  Units(I/M)
'2.01'    'I'

```

```

*( 2)JOB IDENTIFICATION:
*   Job Id
'6 and 7

```

```

*( 3)DESIGN CODE:
*Design Steel_Code      ---Build---  Code      Seismic
* Code      Cold      Country  Code  Year  Label      Zone
'WS'      'NAUS16'    '----'  'IBC ' '18'  'IBC 18 ' 'B '

```

```

*( 4)DESIGN CONSTANTS:
* ---Steel_Yield---  Stress  Strength_Factors
* C_Sec Z_Sec O_Sec  Ratio      Wind  Seismic
 55.0  55.0  55.0  1.03      1.0000  1.0000

```

```

*( 5)DEFLECTION LIMITS:
* -----Purlin-----  --Roof_Panel--
* Live  Wind Total      Live  Wind
180.  150.    0.      60.  60.

```

```

*( 6)REPORTS:
*Input
*Echo  Purlin  Panel
'I'    '2'    'Y'

```

```

*( 7)BUILDING SHAPE:
* Build      Build      L_Eave  R_Eave  Peak      L_Roof  No.
* Width      Length      Height  Height  Offset     Slope   Wall
50.0000  100.0000  14.7917  16.8750  0.0000    0.500  6

```

```

*( 8)WALL OPTIONS:
*Wall Design Detail  -----Notch-----  Base_Type      Base_Trim
* Id  Option Option  Depth  Width  Ext  Parapet  Panel  Jamb  Panel  Jamb
 1  'NYYY' 'YYYY'  1.500  1.500  1.500  0.0000  'O'  'O'  'Y'  'Y'
 2  'NYYY' 'YYYY'  1.500  11.250  1.500  0.0000  'O'  'O'  'Y'  'Y'
 3  'NYYY' 'YYYY'  1.500  1.500  1.500  0.0000  'O'  'O'  'Y'  'Y'
 4  'NYYY' 'YYYY'  1.500  1.500  1.500  0.0000  'O'  'O'  'Y'  'Y'

```

```

*( 9)INTERIOR WALL OPTIONS:
*Wall Design Detail  ----Notch---  Base_Type      Base_Trim
* Id  Option Option  Depth  Width  Panel  Jamb  Panel  Jamb
 6  'NYYY' 'YYYY'  0.000  0.000  '-'  '-'  'N'  'N'

```

```

*(10)STEP ELEVATION:
*No.      Start      End      Base  Eave  Step  -Slope_Offset-
*Step      Start      End      Elev  Height  Type  Start      End
 1      0.0000  100.0000  0.0000  0.0000  '-'  0.0000  0.0000

```

```

*(11)HALL SYSTEM:
* No. Hall
-----
*Hall  Id  Type  Orn  Opt  Width  Height  Locate  Offset  Length  Depth  Width  L  R  S
E
 0

```

```

*(12)WALL PARTITIONS:
*Sets_Of  Wall      Wall      Column

```


'ZB' '-' 'C' 'N' 0.000 8.000 1.0000 0.0000

*(20) PURLIN SPACING:

| Peak | No | ---Purlin--- | | |
|--------|---------|--------------|-----|--|
| Space | Purlins | Location | Rot | |
| 0.0000 | 9 | 5.0000 | 'N' | |
| | | 10.0000 | 'N' | |
| | | 15.0000 | 'N' | |
| | | 20.0000 | 'N' | |
| | | 25.0000 | 'N' | |
| | | 30.0000 | 'N' | |
| | | 35.0000 | 'N' | |
| | | 40.0000 | 'N' | |
| | | 45.0000 | 'N' | |

*(21) PURLIN SIZE:

| No. | Part |
|-----|------|
| 0 | |

*(22) EAVE STRUT:

| Wall | Eave_Strut | | |
|------|------------|-------|--------|
| Id | Type | Depth | Gutter |
| 2 | '-' | 0.000 | 'N' |
| 4 | '-' | 0.000 | 'N' |

*(23) EXTERIOR WALL PANEL:

| Wall | -----Wall_Panel----- | | | | |
|------|----------------------|-----|------|-------|-------|
| Id | Part | Rot | Opt | Screw | Color |
| 1 | 'CUSPANL ' | '-' | '--' | 'S--' | 'A1 ' |
| 2 | 'CUSPANL ' | '-' | '--' | 'S--' | 'A1 ' |
| 3 | 'CUSPANL ' | '-' | '--' | 'S--' | 'A1 ' |
| 4 | 'CUSPANL ' | '-' | '--' | 'S--' | 'A1 ' |

*(24) INTERIOR WALL PANEL:

| Wall | -----Wall_Panel----- | | | | |
|------|----------------------|-----|------|-------|-------|
| Id | Part | Rot | Opt | Screw | Color |
| 6 | 'PBR29 ' | 'R' | '--' | 'S--' | 'GL ' |

*(25) ROOF PANEL:

| Panel | Panel | Screw | -----Standing_Seam----- | | | | |
|--------|-------|-------|-------------------------|------|-------|-----------|-------|
| Size | Opt | Type | Use | Type | Clip | Seam Type | Clamp |
| 'PBR26 | '--' | 'S--' | 'N' | '3U' | 3.000 | '-----' | 'N' |

*(26) EXTERIOR WIND FRAMING:

| Wall | Panel | Brace | | Wall | No. |
|------|-------|-------|-----|------|-----|
| Id | Shear | Type | Opt | Dead | Bay |
| 1 | 'Y' | 'N' | '-' | 2.00 | 0 |
| 2 | 'Y' | 'N' | '-' | 2.00 | 0 |
| 3 | 'Y' | 'N' | '-' | 2.00 | 0 |
| 4 | 'Y' | 'N' | '-' | 2.00 | 0 |
| 5 | 'Y' | 'N' | '-' | 2.50 | 0 |

*(27) INTERIOR WIND FRAMING:

| Panel | Brace | | Wall | No. |
|-------|-------|-----|------|-----|
| Shear | Type | Opt | Dead | Bay |
| 'Y' | 'N' | '-' | 2.00 | 0 |
| 'Y' | 'N' | '-' | 2.00 | 0 |

*(28) BASIC LOADS:

| | | | | | | ---Deflection--- | | |
|------|--------|------|------|------|-------|------------------|------|------|
| Dead | Collat | Live | Snow | Rain | Basic | Load_Ratio | | |
| Load | Load | Load | Load | Load | Wind | Snow | Wind | Seis |
| 2.0 | 0.5 | 20.0 | 13.4 | 0.0 | 19.0 | 1.00 | 0.54 | 1.00 |

*(29) WIND PRESSURE/SUCTION:

```

* Wind Wind
* Press Suct
  16.0 -17.6 .. Purlins
  16.0 -20.5 .. Panels

```

*(30) ROOF EDGE & CORNER ZONES:

```

* Surf No Zone ---Purlin--- ---Panel----
* Id Zone Id Width Length Press Suct Press Suct
  2 11 1 0.00 0.00 1.00 1.00 1.00 1.00 .. Interior
  2 11 2 8.88 8.88 1.00 1.45 1.00 1.74 .. Middle
  7 11 7 2.96 8.88 1.00 2.15 1.00 3.13 .. Corner top-left
  8 11 8 2.96 8.88 1.00 2.15 1.00 3.13 .. Corner top-right
  9 11 9 2.96 8.88 1.00 2.15 1.00 3.13 .. Corner bot-right
  10 11 10 2.96 8.88 1.00 2.15 1.00 3.13 .. Corner bot-left
  11 11 11 5.92 2.96 1.00 2.15 1.00 3.13 .. Corner Gable top-left
  12 11 12 5.92 2.96 1.00 2.15 1.00 3.13 .. Corner Gable top-right
  13 11 13 5.92 2.96 1.00 2.15 1.00 3.13 .. Corner Gable bot-right
  14 11 14 5.92 2.96 1.00 2.15 1.00 3.13 .. Corner Gable bot-left
  15 11 15 8.88 8.88 1.00 1.93 1.00 2.30 .. Exterior

```

*(31) PURLIN DESIGN LOADS:

```

* No_Des Load Wind Wind Aux_Load
* Loads Id Dead Collat Live Snow Drift Rain Press Suct Id Coef
  18 1 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0 0.00
  2 1.00 1.00 0.00 1.00 0.00 0.00 0.00 0.00 0 0.00
  3 1.00 1.00 0.00 1.00 1.00 0.00 0.00 0.00 0 0.00
  4 1.00 1.00 0.75 0.00 0.00 0.00 0.45 0.00 0 0.00
  5 1.00 1.00 0.00 0.75 0.00 0.00 0.45 0.00 0 0.00
  6 1.00 1.00 0.00 0.75 0.75 0.00 0.45 0.00 0 0.00
  7 0.60 0.00 0.00 0.00 0.00 0.00 0.00 0.60 0 0.00
  8 1.00 1.00 0.00 0.01 0.00 0.00 0.00 0.00 1 1.00
  9 1.00 1.00 0.00 0.01 0.00 0.00 0.45 0.00 1 0.75
  10 1.00 1.00 0.00 0.50 0.00 0.00 0.00 0.00 4 1.00
  11 1.00 1.00 0.00 0.50 0.00 0.00 0.00 0.00 5 1.00
  12 1.00 1.00 0.00 0.50 0.00 0.00 0.00 0.00 6 1.00
  13 1.00 1.00 0.00 0.50 0.00 0.00 0.00 0.00 7 1.00
  14 1.00 1.00 0.00 0.50 0.00 0.00 0.00 0.00 8 1.00
  15 1.00 1.00 0.00 0.50 0.00 0.00 0.00 0.00 2 1.00
  16 1.00 1.00 0.00 0.50 0.00 0.00 0.00 0.00 3 1.00
  17 1.00 1.00 0.00 1.00 0.00 0.00 0.00 0.00 2 -1.00
  18 1.00 1.00 0.00 1.00 0.00 0.00 0.00 0.00 3 -1.00

```

*(32) PURLIN DESIGN LOADS: Deflection

```

* No_Des Load Wind Wind Aux_Load
* Loads Id Dead Collat Live Snow Drift Rain Press Suct Id Coef
  18 19 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0 0.00
  20 1.00 1.00 0.00 1.00 0.00 0.00 0.00 0.00 0 0.00
  21 1.00 1.00 0.00 1.00 1.00 0.00 0.00 0.00 0 0.00
  22 1.00 1.00 0.75 0.00 0.00 0.00 0.75 0.00 0 0.00
  23 1.00 1.00 0.00 0.75 0.00 0.00 0.75 0.00 0 0.00
  24 1.00 1.00 0.00 0.75 0.75 0.00 0.75 0.00 0 0.00
  25 0.60 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0 0.00
  26 1.00 1.00 0.00 0.01 0.00 0.00 0.00 0.00 1 1.00
  27 1.00 1.00 0.00 0.01 0.00 0.00 0.75 0.00 1 0.75
  28 1.00 1.00 0.00 0.50 0.00 0.00 0.00 0.00 4 1.00
  29 1.00 1.00 0.00 0.50 0.00 0.00 0.00 0.00 5 1.00
  30 1.00 1.00 0.00 0.50 0.00 0.00 0.00 0.00 6 1.00
  31 1.00 1.00 0.00 0.50 0.00 0.00 0.00 0.00 7 1.00
  32 1.00 1.00 0.00 0.50 0.00 0.00 0.00 0.00 8 1.00
  33 1.00 1.00 0.00 0.50 0.00 0.00 0.00 0.00 2 1.00
  34 1.00 1.00 0.00 0.50 0.00 0.00 0.00 0.00 3 1.00
  35 1.00 1.00 0.00 1.00 0.00 0.00 0.00 0.00 2 -1.00
  36 1.00 1.00 0.00 1.00 0.00 0.00 0.00 0.00 3 -1.00

```

*(33) PANEL DESIGN LOADS:

| * No | Des | Load | | | | | | | Wind | Wind | Aux | Load |
|---------|-----|------|------|--------|------|------|-------|------|-------|------|-----|------|
| * Loads | | Id | Dead | Collat | Live | Snow | Drift | Rain | Press | Suct | Id | Coef |
| 8 | | 1 | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.00 |
| | | 2 | 1.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.00 |
| | | 3 | 1.00 | 0.00 | 0.00 | 1.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0 | 0.00 |
| | | 4 | 1.00 | 0.00 | 0.75 | 0.00 | 0.00 | 0.00 | 0.45 | 0.00 | 0 | 0.00 |
| | | 5 | 1.00 | 0.00 | 0.00 | 0.75 | 0.00 | 0.00 | 0.45 | 0.00 | 0 | 0.00 |
| | | 6 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.60 | 0 | 0.00 |
| | | 7 | 1.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 1 | 1.00 |
| | | 8 | 1.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.45 | 0.00 | 1 | 0.75 |

*(34) PANEL DESIGN LOADS: Deflection

| * No | Des | Load | | | | | | | Wind | Wind | Aux | Load |
|---------|-----|------|------|--------|------|------|-------|------|-------|------|-----|------|
| * Loads | | Id | Dead | Collat | Live | Snow | Drift | Rain | Press | Suct | Id | Coef |
| 6 | | 9 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.00 |
| | | 10 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.00 |
| | | 11 | 0.00 | 0.00 | 0.00 | 1.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0 | 0.00 |
| | | 12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0 | 0.00 |
| | | 13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0 | 0.00 |
| | | 14 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 1 | 1.00 |

*(35) AUXILIARY LOADS:

| * No. | Aux | Aux | No. | Add | Add | Load |
|-------|-----|-----------|-------|-----|------|------|
| * Aux | Id | Name | Combs | Id | Coef | |
| 8 | 1 | 'MIN_SNOW | ' 1 | 1 | 1.00 | |
| | 2 | 'PAT_SL_1 | ' 1 | 2 | 0.50 | |
| | 3 | 'PAT_SL_2 | ' 1 | 7 | 0.50 | |
| | 4 | 'PAT_SL_3 | ' 2 | 2 | 0.50 | |
| | | | | 3 | 0.50 | |
| | 5 | 'PAT_SL_4 | ' 2 | 3 | 0.50 | |
| | | | | 4 | 0.50 | |
| | 6 | 'PAT_SL_5 | ' 2 | 4 | 0.50 | |
| | | | | 5 | 0.50 | |
| | 7 | 'PAT_SL_6 | ' 2 | 5 | 0.50 | |
| | | | | 6 | 0.50 | |
| | 8 | 'PAT_SL_7 | ' 2 | 6 | 0.50 | |
| | | | | 7 | 0.50 | |

*(36) ADDITIONAL LOADS:

| *No. | Add | Surf | Basic | Load | Load | F | | D | | ---Surface--- | |
|------|-----|------|----------|------|------|--------|--------|---------|----------|---------------|---------|
| *Add | Id | Id | Load | Type | Orn | W1 | W2 | D1 | D2 | Start | End |
| 7 | 1 | 2 | 'U_SNOW' | 'D' | 'T' | -16.00 | -16.00 | 0.0000 | 50.0434 | 0.000 | 100.000 |
| | 2 | 0 | 'U_SNOW' | 'D' | 'L' | -13.44 | -13.44 | 0.0000 | 16.0000 | 0.000 | 0.000 |
| | 3 | 0 | 'U_SNOW' | 'D' | 'L' | -13.44 | -13.44 | 16.0000 | 33.0000 | 0.000 | 0.000 |
| | 4 | 0 | 'U_SNOW' | 'D' | 'L' | -13.44 | -13.44 | 33.0000 | 50.0000 | 0.000 | 0.000 |
| | 5 | 0 | 'U_SNOW' | 'D' | 'L' | -13.44 | -13.44 | 50.0000 | 67.0000 | 0.000 | 0.000 |
| | 6 | 0 | 'U_SNOW' | 'D' | 'L' | -13.44 | -13.44 | 67.0000 | 84.0000 | 0.000 | 0.000 |
| | 7 | 0 | 'U_SNOW' | 'D' | 'L' | -13.44 | -13.44 | 84.0000 | 100.0000 | 0.000 | 0.000 |

*(37) PURLIN BREAK:

| *Opt | No. | Location |
|------|-----|----------|
| '-' | 0 | |

*(38) PANEL SCREWS:

| * No. | | | | | | Washer | |
|-------|--------|----|------|------|-----|--------|-------------------|
| *Zone | Locate | Id | Zone | Part | Dia | Limit | Dia |
| | | | | | | | -----Spacing----- |

| | | | | | | | | | | |
|---|--------|---|--------|--------|-------|-------|-------|--------|-------|-------|
| 3 | 'ROOF' | 0 | 'INT' | '#17A' | 0.209 | 2.900 | 0.500 | 11.429 | 5.714 | 0.000 |
| | 'ROOF' | 0 | 'EDGE' | '#17A' | 0.209 | 2.900 | 0.500 | 11.429 | 5.714 | 0.000 |
| | 'ROOF' | 0 | 'CORN' | '#17A' | 0.209 | 2.900 | 0.500 | 11.429 | 5.714 | 0.000 |

*(39) ADDITIONAL ROOF FRAMING:

| *No. | Id | Use | Orn | Offset | ----Location---- | | Type | Opt | Rot | Part |
|------|----|-----|-----|--------|------------------|--|------|-----|-----|------|
| 0 | | | | | | | | | | |

*(40) CONNECTION SCREWS:

| *No. | Use | Part | Limit | Qty |
|------|-------|-------|-------|-----|
| 1 | 'LAP' | '#1A' | 2.05 | 6 |

*AUXILIARY LOAD DESCRIPTIONS:

* Aux

| * Id | Description |
|------|-------------------|
| * 1 | Minimum snow load |
| * 2 | Pattern snow load |
| * 3 | Pattern snow load |
| * 4 | Pattern snow load |
| * 5 | Pattern snow load |
| * 6 | Pattern snow load |
| * 7 | Pattern snow load |
| * 8 | Pattern snow load |

*ADDITIONAL LOAD DESCRIPTIONS:

* Add

| * Id | Description |
|------|-----------------------------|
| * 1 | Minimum snow load surface 2 |
| * 2 | Pattern snow load bay 1 |
| * 3 | Pattern snow load bay 2 |
| * 4 | Pattern snow load bay 3 |
| * 5 | Pattern snow load bay 4 |
| * 6 | Pattern snow load bay 5 |
| * 7 | Pattern snow load bay 6 |

* Code file used was ROOFIBC.18N Version 4.5

STRUCTURAL CODE:

Design Basis : WS - Working Stress
Cold Formed Steel : NAUS16

BUILDING CODE:

Wind Code : IBC 18
Seismic Zone : B

MODULUS OF ELASTICITY

Cold Formed Steel : 29500 (ksi)

SURFACE LAYOUT:

| Surface Id | Length | No. Row |
|------------|--------|---------|
| 2 | 50.043 | 9 |

PURLIN LOCATION:

| Purlin Id | Surf Offset | Space | Load Width | Dead Load | Show Report | Id | UC | Max Load Report |
|-----------|-------------|-------|------------|-----------|-------------|----|------|-----------------|
| 1 | 5.004 | 5.004 | 5.004 | 0.62 | | 4 | 0.68 | Mom+Shr |
| 2 | 10.009 | 5.004 | 5.004 | 0.62 | | 4 | 0.68 | Mom+Shr |
| 3 | 15.013 | 5.004 | 5.004 | 0.62 | | 4 | 0.68 | Mom+Shr |
| 4 | 20.017 | 5.004 | 5.004 | 0.62 | | 4 | 0.68 | Mom+Shr |
| 5 | 25.022 | 5.004 | 5.004 | 0.62 | | 4 | 0.68 | Mom+Shr |
| 6 | 30.026 | 5.004 | 5.004 | 0.62 | | 4 | 0.68 | Mom+Shr |
| 7 | 35.030 | 5.004 | 5.004 | 0.62 | Y | 4 | 0.68 | Mom+Shr |
| 8 | 40.035 | 5.004 | 5.004 | 0.62 | | 4 | 0.68 | Mom+Shr |
| 9 | 45.039 | 5.004 | 5.004 | 0.62 | | 4 | 0.68 | Mom+Shr |
| | 50.043 | 5.004 | | | | | | |

Average= 0.62

LAYOUT:

| Bay Id | Part | Bay Width | ---Lap(ft)--- | | No. Brace | Unit Weight | Total Weight |
|-------------|---------|-----------|---------------|-------|-----------|-------------|--------------|
| | | | Left | Right | | | |
| 1 | 8X25Z16 | 16.00 | | 1.00 | 0 | 47.6 | 428.4 |
| 2 | 8X25Z16 | 17.00 | 1.00 | 1.00 | 0 | 53.2 | 478.8 |
| 3 | 8X25Z16 | 17.00 | 1.00 | 1.00 | 0 | 53.2 | 478.8 |
| 4 | 8X25Z16 | 17.00 | 1.00 | 1.00 | 0 | 53.2 | 478.8 |
| 5 | 8X25Z16 | 17.00 | 1.00 | 1.00 | 0 | 53.2 | 478.8 |
| 6 | 8X25Z16 | 16.00 | 1.00 | | 0 | 47.6 | 428.4 |
| Total (lb)= | | | | | | 308.0 | 2772.0 |

LOAD COMBINATIONS:

4 - Dead+Collateral+0.75Live+0.45Wind_Pressure

ROOF PURLIN

Surface Id = 2
 Purlin Id = 7
 Offset = 35.03

PURLIN LAYOUT:

| Bay Id | Part | Design Length (ft) | ---Lap(ft)--- | | Load Width | No. Brace | Unit Weight | Available Reduction | |
|--------|---------|--------------------|---------------|-------|------------|-----------|-------------|---------------------|------|
| | | | Left | Right | | | | Out | In |
| 1 | 8X25Z16 | 16.00 | | 1.00 | 5.00 | 0 | 47.6 | 0.00 | 0.70 |
| 2 | 8X25Z16 | 17.00 | 1.00 | 1.00 | 5.00 | 0 | 53.2 | 0.00 | 0.70 |
| 3 | 8X25Z16 | 17.00 | 1.00 | 1.00 | 5.00 | 0 | 53.2 | 0.00 | 0.70 |
| 4 | 8X25Z16 | 17.00 | 1.00 | 1.00 | 5.00 | 0 | 53.2 | 0.00 | 0.70 |
| 5 | 8X25Z16 | 17.00 | 1.00 | 1.00 | 5.00 | 0 | 53.2 | 0.00 | 0.70 |
| 6 | 8X25Z16 | 16.00 | 1.00 | | 5.00 | 0 | 47.6 | 0.00 | 0.70 |

LOAD ID 1 : Dead+Collateral+Live

REACTIONS:

| Bay Id | -----Shear(k)----- | | | | -----Moment(f-k)----- | | | | | |
|--------|---------------------|----------|-----------|-----------|------------------------|----------|--------------|--------------|-----------|-----------|
| | Left Sup | Left Lap | Right Lap | Right Sup | Left Sup | Left Lap | Mid-Span Mom | Mid-Span Loc | Right Lap | Right Sup |
| 1 | 0.69 | | -0.99 | -1.11 | 0.00 | | -2.13 | 6.15 | 2.27 | 3.32 |
| 2 | 1.00 | 0.88 | -0.80 | -0.92 | 3.32 | 2.38 | -1.09 | 8.86 | 1.78 | 2.64 |
| 3 | 0.94 | 0.83 | -0.86 | -0.97 | 2.64 | 1.75 | -1.30 | 8.37 | 1.97 | 2.88 |
| 4 | 0.97 | 0.86 | -0.83 | -0.94 | 2.88 | 1.97 | -1.30 | 8.63 | 1.75 | 2.64 |
| 5 | 0.92 | 0.80 | -0.88 | -1.00 | 2.64 | 1.78 | -1.09 | 8.14 | 2.38 | 3.32 |
| 6 | 1.11 | 0.99 | | -0.69 | 3.32 | 2.27 | -2.13 | 9.85 | | 0.00 |

STRENGTH/DEFLECTION:

| Bay Id | -----Shear(k)----- | | | | -----Moment(f-k)----- | | | | Mom+Shear | | Deflect(in) | |
|--------|---------------------|-------|-------|------|------------------------|-------|-------|------|-----------|------|-------------|-------|
| | Loc | Calc | Limit | UC | Loc | Calc | Limit | UC | Loc | UC | Calc | Limit |
| 1 | RLap | -0.99 | 2.44 | 0.41 | MidS | -2.13 | 3.63 | 0.59 | RLap | 0.62 | -0.33 | |
| 2 | LLap | 0.88 | 2.44 | 0.36 | LLap | 2.38 | 3.96 | 0.60 | LLap | 0.61 | -0.11 | |
| 3 | RLap | -0.86 | 2.44 | 0.35 | RLap | 1.97 | 4.00 | 0.49 | RLap | 0.53 | -0.18 | |
| 4 | LLap | 0.86 | 2.44 | 0.35 | LLap | 1.97 | 4.00 | 0.49 | LLap | 0.53 | -0.18 | |
| 5 | RLap | -0.88 | 2.44 | 0.36 | RLap | 2.38 | 3.96 | 0.60 | RLap | 0.61 | -0.11 | |
| 6 | LLap | 0.99 | 2.44 | 0.41 | MidS | -2.13 | 3.63 | 0.59 | LLap | 0.62 | -0.33 | |

UNBRACED LENGTH:

| Bay Id | Major (ft) | -----Minor(ft)----- | | | | | -----Mom1/Mom2----- | | | | | -----Cb----- | | | | |
|--------|------------|---------------------|------|------|------|------|---------------------|------|------|------|------|--------------|------|------|------|------|
| | | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup |
| 1 | 16.0 | 12.3 | 1.0 | 1.0 | 2.7 | 1.0 | 1.00 | 1.00 | 1.00 | 0.00 | 0.68 | 1.14 | 1.00 | 1.00 | 1.76 | 1.15 |
| 2 | 17.0 | 1.0 | 3.5 | 1.0 | 2.7 | 1.0 | 0.72 | 0.00 | 1.00 | 0.00 | 0.67 | 1.13 | 1.81 | 1.00 | 1.79 | 1.15 |
| 3 | 17.0 | 1.0 | 2.6 | 1.0 | 2.8 | 1.0 | 0.66 | 0.00 | 1.00 | 0.00 | 0.68 | 1.16 | 1.77 | 1.00 | 1.78 | 1.15 |
| 4 | 17.0 | 1.0 | 2.8 | 1.0 | 2.6 | 1.0 | 0.68 | 0.00 | 1.00 | 0.00 | 0.66 | 1.15 | 1.78 | 1.00 | 1.77 | 1.16 |
| 5 | 17.0 | 1.0 | 2.7 | 1.0 | 3.5 | 1.0 | 0.67 | 0.00 | 1.00 | 0.00 | 0.72 | 1.15 | 1.79 | 1.00 | 1.81 | 1.13 |
| 6 | 16.0 | 1.0 | 2.7 | 1.0 | 1.0 | 12.3 | 0.68 | 0.00 | 1.00 | 1.00 | 1.00 | 1.15 | 1.76 | 1.00 | 1.00 | 1.14 |

LOAD ID 2 : Dead+Collateral+Snow

REACTIONS:

| Bay Id | -----Shear(k)----- | | | | -----Moment(f-k)----- | | | | | |
|--------|---------------------|----------|-----------|-----------|------------------------|----------|--------------|--------------|-----------|-----------|
| | Left Sup | Left Lap | Right Lap | Right Sup | Left Sup | Left Lap | Mid-Span Mom | Mid-Span Loc | Right Lap | Right Sup |
| 1 | 0.49 | | -0.70 | -0.78 | 0.00 | | -1.50 | 6.15 | 1.61 | 2.35 |
| 2 | 0.70 | 0.62 | -0.57 | -0.65 | 2.35 | 1.69 | -0.77 | 8.86 | 1.26 | 1.86 |
| 3 | 0.67 | 0.59 | -0.61 | -0.69 | 1.86 | 1.24 | -0.92 | 8.37 | 1.39 | 2.04 |
| 4 | 0.69 | 0.61 | -0.59 | -0.67 | 2.04 | 1.39 | -0.92 | 8.63 | 1.24 | 1.86 |
| 5 | 0.65 | 0.57 | -0.62 | -0.70 | 1.86 | 1.26 | -0.77 | 8.14 | 1.69 | 2.35 |
| 6 | 0.78 | 0.70 | | -0.49 | 2.35 | 1.61 | -1.50 | 9.85 | | 0.00 |

STRENGTH/DEFLECTION:

| Bay Id | Loc | -----Shear(k)----- | | | -----Moment(f-k)----- | | | | Mom+Shear | | Deflect(in) | |
|--------|------|---------------------|-------|------|------------------------|-------|-------|------|-----------|------|-------------|-------|
| | | Calc | Limit | UC | Loc | Calc | Limit | UC | Loc | UC | Calc | Limit |
| 1 | RLap | -0.70 | 2.44 | 0.29 | MidS | -1.50 | 3.63 | 0.41 | RLap | 0.44 | -0.23 | |
| 2 | LLap | 0.62 | 2.44 | 0.26 | LLap | 1.69 | 3.96 | 0.43 | LLap | 0.43 | -0.08 | |
| 3 | RLap | -0.61 | 2.44 | 0.25 | RLap | 1.39 | 4.00 | 0.35 | RLap | 0.38 | -0.12 | |
| 4 | LLap | 0.61 | 2.44 | 0.25 | LLap | 1.39 | 4.00 | 0.35 | LLap | 0.38 | -0.12 | |
| 5 | RLap | -0.62 | 2.44 | 0.26 | RLap | 1.69 | 3.96 | 0.43 | RLap | 0.43 | -0.08 | |
| 6 | LLap | 0.70 | 2.44 | 0.29 | MidS | -1.50 | 3.63 | 0.41 | LLap | 0.44 | -0.23 | |

UNBRACED LENGTH:

| Bay Id | Major (ft) | -----Minor(ft)----- | | | | | -----Mom1/Mom2----- | | | | | -----Cb----- | | | | |
|--------|------------|---------------------|------|------|------|------|---------------------|------|------|------|------|--------------|------|------|------|------|
| | | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup |
| 1 | 16.0 | 12.3 | 1.0 | 1.0 | 2.7 | 1.0 | 1.00 | 1.00 | 1.00 | 0.00 | 0.68 | 1.14 | 1.00 | 1.00 | 1.76 | 1.15 |
| 2 | 17.0 | 1.0 | 3.5 | 1.0 | 2.7 | 1.0 | 0.72 | 0.00 | 1.00 | 0.00 | 0.67 | 1.13 | 1.81 | 1.00 | 1.79 | 1.15 |
| 3 | 17.0 | 1.0 | 2.6 | 1.0 | 2.8 | 1.0 | 0.66 | 0.00 | 1.00 | 0.00 | 0.68 | 1.16 | 1.77 | 1.00 | 1.78 | 1.15 |
| 4 | 17.0 | 1.0 | 2.8 | 1.0 | 2.6 | 1.0 | 0.68 | 0.00 | 1.00 | 0.00 | 0.66 | 1.15 | 1.78 | 1.00 | 1.77 | 1.16 |
| 5 | 17.0 | 1.0 | 2.7 | 1.0 | 3.5 | 1.0 | 0.67 | 0.00 | 1.00 | 0.00 | 0.72 | 1.15 | 1.79 | 1.00 | 1.81 | 1.13 |
| 6 | 16.0 | 1.0 | 2.7 | 1.0 | 1.0 | 12.3 | 0.68 | 0.00 | 1.00 | 1.00 | 1.00 | 1.15 | 1.76 | 1.00 | 1.00 | 1.14 |

LOAD ID 3 : Dead+Collateral+Snow+Snow_Drift

REACTIONS:

| Bay Id | -----Shear(k)----- | | | | -----Moment(f-k)----- | | | | | |
|--------|---------------------|----------|-----------|-----------|------------------------|----------|--------------|--------------|-----------|-----------|
| | Left Sup | Left Lap | Right Lap | Right Sup | Left Sup | Left Lap | Mid-Span Mom | Mid-Span Loc | Right Lap | Right Sup |
| 1 | 0.49 | | -0.70 | -0.78 | 0.00 | | -1.50 | 6.15 | 1.61 | 2.35 |
| 2 | 0.70 | 0.62 | -0.57 | -0.65 | 2.35 | 1.69 | -0.77 | 8.86 | 1.26 | 1.86 |
| 3 | 0.67 | 0.59 | -0.61 | -0.69 | 1.86 | 1.24 | -0.92 | 8.37 | 1.39 | 2.04 |
| 4 | 0.69 | 0.61 | -0.59 | -0.67 | 2.04 | 1.39 | -0.92 | 8.63 | 1.24 | 1.86 |
| 5 | 0.65 | 0.57 | -0.62 | -0.70 | 1.86 | 1.26 | -0.77 | 8.14 | 1.69 | 2.35 |
| 6 | 0.78 | 0.70 | | -0.49 | 2.35 | 1.61 | -1.50 | 9.85 | | 0.00 |

STRENGTH/DEFLECTION:

| Bay Id | Loc | -----Shear(k)----- | | | -----Moment(f-k)----- | | | | Mom+Shear | | Deflect(in) | |
|--------|------|---------------------|-------|------|------------------------|-------|-------|------|-----------|------|-------------|-------|
| | | Calc | Limit | UC | Loc | Calc | Limit | UC | Loc | UC | Calc | Limit |
| 1 | RLap | -0.70 | 2.44 | 0.29 | MidS | -1.50 | 3.63 | 0.41 | RLap | 0.44 | -0.23 | |
| 2 | LLap | 0.62 | 2.44 | 0.26 | LLap | 1.69 | 3.96 | 0.43 | LLap | 0.43 | -0.08 | |
| 3 | RLap | -0.61 | 2.44 | 0.25 | RLap | 1.39 | 4.00 | 0.35 | RLap | 0.38 | -0.12 | |
| 4 | LLap | 0.61 | 2.44 | 0.25 | LLap | 1.39 | 4.00 | 0.35 | LLap | 0.38 | -0.12 | |
| 5 | RLap | -0.62 | 2.44 | 0.26 | RLap | 1.69 | 3.96 | 0.43 | RLap | 0.43 | -0.08 | |
| 6 | LLap | 0.70 | 2.44 | 0.29 | MidS | -1.50 | 3.63 | 0.41 | LLap | 0.44 | -0.23 | |

UNBRACED LENGTH:

| Bay Id | Major (ft) | -----Minor(ft)----- | | | | | -----Mom1/Mom2----- | | | | | -----Cb----- | | | | |
|--------|------------|---------------------|------|------|------|------|---------------------|------|------|------|------|--------------|------|------|------|------|
| | | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup |
| 1 | 16.0 | 12.3 | 1.0 | 1.0 | 2.7 | 1.0 | 1.00 | 1.00 | 1.00 | 0.00 | 0.68 | 1.14 | 1.00 | 1.00 | 1.76 | 1.15 |
| 2 | 17.0 | 1.0 | 3.5 | 1.0 | 2.7 | 1.0 | 0.72 | 0.00 | 1.00 | 0.00 | 0.67 | 1.13 | 1.81 | 1.00 | 1.79 | 1.15 |

| | | | | | | | | | | | | | | | | |
|---|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| 3 | 17.0 | 1.0 | 2.6 | 1.0 | 2.8 | 1.0 | 0.66 | 0.00 | 1.00 | 0.00 | 0.68 | 1.16 | 1.77 | 1.00 | 1.78 | 1.15 |
| 4 | 17.0 | 1.0 | 2.8 | 1.0 | 2.6 | 1.0 | 0.68 | 0.00 | 1.00 | 0.00 | 0.66 | 1.15 | 1.78 | 1.00 | 1.77 | 1.16 |
| 5 | 17.0 | 1.0 | 2.7 | 1.0 | 3.5 | 1.0 | 0.67 | 0.00 | 1.00 | 0.00 | 0.72 | 1.15 | 1.79 | 1.00 | 1.81 | 1.13 |
| 6 | 16.0 | 1.0 | 2.7 | 1.0 | 1.0 | 12.3 | 0.68 | 0.00 | 1.00 | 1.00 | 1.00 | 1.15 | 1.76 | 1.00 | 1.00 | 1.14 |

LOAD ID 4 : Dead+Collateral+0.75Live+0.45Wind_Pressure

REACTIONS:

| Bay Id | -----Shear(k)----- | | | | -----Moment (f-k)----- | | | | | |
|--------|---------------------|----------|-----------|-----------|-------------------------|----------|--------------|--------------|-----------|-----------|
| | Left Sup | Left Lap | Right Lap | Right Sup | Left Sup | Left Lap | Mid-Span Mom | Mid-Span Loc | Right Lap | Right Sup |
| 1 | 0.76 | | -1.09 | -1.22 | 0.00 | | -2.34 | 6.15 | 2.50 | 3.65 |
| 2 | 1.09 | 0.97 | -0.88 | -1.01 | 3.65 | 2.62 | -1.19 | 8.86 | 1.95 | 2.90 |
| 3 | 1.03 | 0.91 | -0.94 | -1.07 | 2.90 | 1.93 | -1.43 | 8.37 | 2.16 | 3.17 |
| 4 | 1.07 | 0.94 | -0.91 | -1.03 | 3.17 | 2.16 | -1.43 | 8.63 | 1.93 | 2.90 |
| 5 | 1.01 | 0.88 | -0.97 | -1.09 | 2.90 | 1.95 | -1.19 | 8.14 | 2.62 | 3.65 |
| 6 | 1.22 | 1.09 | | -0.76 | 3.65 | 2.50 | -2.34 | 9.85 | | 0.00 |

STRENGTH/DEFLECTION:

| Bay Id | -----Shear(k)----- | | | | -----Moment (f-k)----- | | | | Mom+Shear | | Deflect (in) | |
|--------|---------------------|-------|-------|------|-------------------------|-------|-------|------|-----------|------|--------------|-------|
| | Loc | Calc | Limit | UC | Loc | Calc | Limit | UC | Loc | UC | Calc | Limit |
| 1 | RLap | -1.09 | 2.44 | 0.45 | MidS | -2.34 | 3.63 | 0.64 | RLap | 0.68 | -0.36 | |
| 2 | LLap | 0.97 | 2.44 | 0.40 | LLap | 2.62 | 3.96 | 0.66 | LLap | 0.67 | -0.13 | |
| 3 | RLap | -0.94 | 2.44 | 0.39 | RLap | 2.16 | 4.00 | 0.54 | RLap | 0.59 | -0.19 | |
| 4 | LLap | 0.94 | 2.44 | 0.39 | LLap | 2.16 | 4.00 | 0.54 | LLap | 0.59 | -0.19 | |
| 5 | RLap | -0.97 | 2.44 | 0.40 | RLap | 2.62 | 3.96 | 0.66 | RLap | 0.67 | -0.13 | |
| 6 | LLap | 1.09 | 2.44 | 0.45 | MidS | -2.34 | 3.63 | 0.64 | LLap | 0.68 | -0.36 | |

UNBRACED LENGTH:

| Bay Id | Major (ft) | -----Minor (ft)----- | | | | | -----Mom1/Mom2----- | | | | | -----Cb----- | | | | |
|--------|------------|----------------------|------|------|------|------|---------------------|------|------|------|------|--------------|------|------|------|------|
| | | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup |
| 1 | 16.0 | 12.3 | 1.0 | 1.0 | 2.7 | 1.0 | 1.00 | 1.00 | 1.00 | 0.00 | 0.68 | 1.14 | 1.00 | 1.00 | 1.76 | 1.15 |
| 2 | 17.0 | 1.0 | 3.5 | 1.0 | 2.7 | 1.0 | 0.72 | 0.00 | 1.00 | 0.00 | 0.67 | 1.13 | 1.81 | 1.00 | 1.79 | 1.15 |
| 3 | 17.0 | 1.0 | 2.6 | 1.0 | 2.8 | 1.0 | 0.66 | 0.00 | 1.00 | 0.00 | 0.68 | 1.16 | 1.77 | 1.00 | 1.78 | 1.15 |
| 4 | 17.0 | 1.0 | 2.8 | 1.0 | 2.6 | 1.0 | 0.68 | 0.00 | 1.00 | 0.00 | 0.66 | 1.15 | 1.78 | 1.00 | 1.77 | 1.16 |
| 5 | 17.0 | 1.0 | 2.7 | 1.0 | 3.5 | 1.0 | 0.67 | 0.00 | 1.00 | 0.00 | 0.72 | 1.15 | 1.79 | 1.00 | 1.81 | 1.13 |
| 6 | 16.0 | 1.0 | 2.7 | 1.0 | 1.0 | 12.3 | 0.68 | 0.00 | 1.00 | 1.00 | 1.00 | 1.15 | 1.76 | 1.00 | 1.00 | 1.14 |

LOAD ID 5 : Dead+Collateral+0.75Snow+0.45Wind_Pressure

REACTIONS:

| Bay Id | -----Shear(k)----- | | | | -----Moment (f-k)----- | | | | | |
|--------|---------------------|----------|-----------|-----------|-------------------------|----------|--------------|--------------|-----------|-----------|
| | Left Sup | Left Lap | Right Lap | Right Sup | Left Sup | Left Lap | Mid-Span Mom | Mid-Span Loc | Right Lap | Right Sup |
| 1 | 0.61 | | -0.87 | -0.97 | 0.00 | | -1.87 | 6.15 | 2.00 | 2.92 |
| 2 | 0.87 | 0.78 | -0.71 | -0.80 | 2.92 | 2.09 | -0.95 | 8.86 | 1.56 | 2.32 |
| 3 | 0.83 | 0.73 | -0.75 | -0.85 | 2.32 | 1.54 | -1.14 | 8.37 | 1.73 | 2.53 |
| 4 | 0.85 | 0.75 | -0.73 | -0.83 | 2.53 | 1.73 | -1.14 | 8.63 | 1.54 | 2.32 |
| 5 | 0.80 | 0.71 | -0.78 | -0.87 | 2.32 | 1.56 | -0.95 | 8.14 | 2.09 | 2.92 |
| 6 | 0.97 | 0.87 | | -0.61 | 2.92 | 2.00 | -1.87 | 9.85 | | 0.00 |

STRENGTH/DEFLECTION:

| Bay Id | -----Shear(k)----- | | | | -----Moment (f-k)----- | | | | Mom+Shear | | Deflect (in) | |
|--------|---------------------|-------|-------|------|-------------------------|-------|-------|------|-----------|------|--------------|-------|
| | Loc | Calc | Limit | UC | Loc | Calc | Limit | UC | Loc | UC | Calc | Limit |
| 1 | RLap | -0.87 | 2.44 | 0.36 | MidS | -1.87 | 3.63 | 0.51 | RLap | 0.54 | -0.29 | |
| 2 | LLap | 0.78 | 2.44 | 0.32 | LLap | 2.09 | 3.96 | 0.53 | LLap | 0.53 | -0.10 | |
| 3 | RLap | -0.75 | 2.44 | 0.31 | RLap | 1.73 | 4.00 | 0.43 | RLap | 0.47 | -0.15 | |
| 4 | LLap | 0.75 | 2.44 | 0.31 | LLap | 1.73 | 4.00 | 0.43 | LLap | 0.47 | -0.15 | |

| | | | | | | | | | | | |
|---|------|-------|------|------|------|-------|------|------|------|------|-------|
| 5 | RLap | -0.78 | 2.44 | 0.32 | RLap | 2.09 | 3.96 | 0.53 | RLap | 0.53 | -0.10 |
| 6 | LLap | 0.87 | 2.44 | 0.36 | MidS | -1.87 | 3.63 | 0.51 | LLap | 0.54 | -0.29 |

UNBRACED LENGTH:

| Bay Id | Major (ft) | -----Minor (ft)----- | | | | | -----Mom1/Mom2----- | | | | | -----Cb----- | | | | |
|--------|------------|----------------------|------|------|------|------|---------------------|------|------|------|------|--------------|------|------|------|------|
| | | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup |
| 1 | 16.0 | 12.3 | 1.0 | 1.0 | 2.7 | 1.0 | 1.00 | 1.00 | 1.00 | 0.00 | 0.68 | 1.14 | 1.00 | 1.00 | 1.76 | 1.15 |
| 2 | 17.0 | 1.0 | 3.5 | 1.0 | 2.7 | 1.0 | 0.72 | 0.00 | 1.00 | 0.00 | 0.67 | 1.13 | 1.81 | 1.00 | 1.79 | 1.15 |
| 3 | 17.0 | 1.0 | 2.6 | 1.0 | 2.8 | 1.0 | 0.66 | 0.00 | 1.00 | 0.00 | 0.68 | 1.16 | 1.77 | 1.00 | 1.78 | 1.15 |
| 4 | 17.0 | 1.0 | 2.8 | 1.0 | 2.6 | 1.0 | 0.68 | 0.00 | 1.00 | 0.00 | 0.66 | 1.15 | 1.78 | 1.00 | 1.77 | 1.16 |
| 5 | 17.0 | 1.0 | 2.7 | 1.0 | 3.5 | 1.0 | 0.67 | 0.00 | 1.00 | 0.00 | 0.72 | 1.15 | 1.79 | 1.00 | 1.81 | 1.13 |
| 6 | 16.0 | 1.0 | 2.7 | 1.0 | 1.0 | 12.3 | 0.68 | 0.00 | 1.00 | 1.00 | 1.00 | 1.15 | 1.76 | 1.00 | 1.00 | 1.14 |

LOAD ID 6 : Dead+Collateral+0.75Snow+0.45Wind_Pressure+0.75Snow_Drift

REACTIONS:

| Bay Id | -----Shear(k)----- | | | | -----Moment (f-k)----- | | | | | |
|--------|---------------------|----------|-----------|-----------|-------------------------|----------|--------------|--------------|-----------|-----------|
| | Left Sup | Left Lap | Right Lap | Right Sup | Left Sup | Left Lap | Mid-Span Mom | Mid-Span Loc | Right Lap | Right Sup |
| 1 | 0.61 | | -0.87 | -0.97 | 0.00 | | -1.87 | 6.15 | 2.00 | 2.92 |
| 2 | 0.87 | 0.78 | -0.71 | -0.80 | 2.92 | 2.09 | -0.95 | 8.86 | 1.56 | 2.32 |
| 3 | 0.83 | 0.73 | -0.75 | -0.85 | 2.32 | 1.54 | -1.14 | 8.37 | 1.73 | 2.53 |
| 4 | 0.85 | 0.75 | -0.73 | -0.83 | 2.53 | 1.73 | -1.14 | 8.63 | 1.54 | 2.32 |
| 5 | 0.80 | 0.71 | -0.78 | -0.87 | 2.32 | 1.56 | -0.95 | 8.14 | 2.09 | 2.92 |
| 6 | 0.97 | 0.87 | | -0.61 | 2.92 | 2.00 | -1.87 | 9.85 | | 0.00 |

STRENGTH/DEFLECTION:

| Bay Id | -----Shear(k)----- | | | | -----Moment (f-k)----- | | | | Mom+Shear | | Deflect (in) | |
|--------|---------------------|-------|-------|------|-------------------------|-------|-------|------|-----------|------|--------------|-------|
| | Loc | Calc | Limit | UC | Loc | Calc | Limit | UC | Loc | UC | Calc | Limit |
| 1 | RLap | -0.87 | 2.44 | 0.36 | MidS | -1.87 | 3.63 | 0.51 | RLap | 0.54 | -0.29 | |
| 2 | LLap | 0.78 | 2.44 | 0.32 | LLap | 2.09 | 3.96 | 0.53 | LLap | 0.53 | -0.10 | |
| 3 | RLap | -0.75 | 2.44 | 0.31 | RLap | 1.73 | 4.00 | 0.43 | RLap | 0.47 | -0.15 | |
| 4 | LLap | 0.75 | 2.44 | 0.31 | LLap | 1.73 | 4.00 | 0.43 | LLap | 0.47 | -0.15 | |
| 5 | RLap | -0.78 | 2.44 | 0.32 | RLap | 2.09 | 3.96 | 0.53 | RLap | 0.53 | -0.10 | |
| 6 | LLap | 0.87 | 2.44 | 0.36 | MidS | -1.87 | 3.63 | 0.51 | LLap | 0.54 | -0.29 | |

UNBRACED LENGTH:

| Bay Id | Major (ft) | -----Minor (ft)----- | | | | | -----Mom1/Mom2----- | | | | | -----Cb----- | | | | |
|--------|------------|----------------------|------|------|------|------|---------------------|------|------|------|------|--------------|------|------|------|------|
| | | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup |
| 1 | 16.0 | 12.3 | 1.0 | 1.0 | 2.7 | 1.0 | 1.00 | 1.00 | 1.00 | 0.00 | 0.68 | 1.14 | 1.00 | 1.00 | 1.76 | 1.15 |
| 2 | 17.0 | 1.0 | 3.5 | 1.0 | 2.7 | 1.0 | 0.72 | 0.00 | 1.00 | 0.00 | 0.67 | 1.13 | 1.81 | 1.00 | 1.79 | 1.15 |
| 3 | 17.0 | 1.0 | 2.6 | 1.0 | 2.8 | 1.0 | 0.66 | 0.00 | 1.00 | 0.00 | 0.68 | 1.16 | 1.77 | 1.00 | 1.78 | 1.15 |
| 4 | 17.0 | 1.0 | 2.8 | 1.0 | 2.6 | 1.0 | 0.68 | 0.00 | 1.00 | 0.00 | 0.66 | 1.15 | 1.78 | 1.00 | 1.77 | 1.16 |
| 5 | 17.0 | 1.0 | 2.7 | 1.0 | 3.5 | 1.0 | 0.67 | 0.00 | 1.00 | 0.00 | 0.72 | 1.15 | 1.79 | 1.00 | 1.81 | 1.13 |
| 6 | 16.0 | 1.0 | 2.7 | 1.0 | 1.0 | 12.3 | 0.68 | 0.00 | 1.00 | 1.00 | 1.00 | 1.15 | 1.76 | 1.00 | 1.00 | 1.14 |

LOAD ID 7 : 0.6Dead+0.6Wind_Suction

REACTIONS:

| Bay Id | -----Shear(k)----- | | | | -----Moment (f-k)----- | | | | | |
|--------|---------------------|----------|-----------|-----------|-------------------------|----------|--------------|--------------|-----------|-----------|
| | Left Sup | Left Lap | Right Lap | Right Sup | Left Sup | Left Lap | Mid-Span Mom | Mid-Span Loc | Right Lap | Right Sup |
| 1 | -0.58 | | 0.70 | 0.77 | 0.00 | | 1.74 | 6.88 | -1.59 | -2.32 |
| 2 | -0.64 | -0.57 | 0.49 | 0.56 | -2.32 | -1.72 | 0.61 | 9.12 | -1.06 | -1.59 |
| 3 | -0.58 | -0.51 | 0.55 | 0.62 | -1.59 | -1.04 | 0.84 | 8.28 | -1.27 | -1.85 |
| 4 | -0.62 | -0.55 | 0.51 | 0.58 | -1.85 | -1.27 | 0.84 | 8.72 | -1.04 | -1.59 |
| 5 | -0.56 | -0.49 | 0.57 | 0.64 | -1.59 | -1.06 | 0.61 | 7.88 | -1.72 | -2.32 |
| 6 | -0.77 | -0.70 | | 0.58 | -2.32 | -1.59 | 1.74 | 9.12 | | 0.00 |

STRENGTH/DEFLECTION:

| Bay Id | Loc | Shear(k) | | | Moment (f-k) | | | | Mom+Shear | | Deflect (in) | |
|--------|------|-----------|-------|------|---------------|-------|-------|------|-----------|------|--------------|-------|
| | | Calc | Limit | UC | Loc | Calc | Limit | UC | Loc | UC | Calc | Limit |
| 1 | RLap | 0.70 | 2.44 | 0.29 | MidS | 1.74 | 3.43 | 0.51 | RLap | 0.43 | 0.28 | |
| 2 | LLap | -0.57 | 2.44 | 0.24 | LLap | -1.72 | 3.63 | 0.47 | LLap | 0.42 | 0.05 | |
| 3 | RLap | 0.55 | 2.44 | 0.22 | RLap | -1.27 | 3.63 | 0.35 | RLap | 0.34 | 0.12 | |
| 4 | LLap | -0.55 | 2.44 | 0.22 | LLap | -1.27 | 3.63 | 0.35 | LLap | 0.34 | 0.12 | |
| 5 | RLap | 0.57 | 2.44 | 0.24 | RLap | -1.72 | 3.63 | 0.47 | RLap | 0.42 | 0.05 | |
| 6 | LLap | -0.70 | 2.44 | 0.29 | MidS | 1.74 | 3.43 | 0.51 | LLap | 0.43 | 0.28 | |

UNBRACED LENGTH:

| Bay Id | Major (ft) | Minor (ft) | | | | | Mom1/Mom2 | | | | | Cb | | | | |
|--------|------------|------------|------|------|------|------|-----------|------|------|------|------|------|------|------|------|------|
| | | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup |
| 1 | 16.0 | 12.4 | 12.4 | 12.4 | 1.0 | 1.0 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.14 | 1.14 | 1.14 | 1.00 | 1.00 |
| 2 | 17.0 | 1.0 | 1.0 | 7.9 | 1.0 | 1.0 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.12 | 1.00 | 1.00 |
| 3 | 17.0 | 1.0 | 1.0 | 9.5 | 1.0 | 1.0 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.13 | 1.00 | 1.00 |
| 4 | 17.0 | 1.0 | 1.0 | 9.5 | 1.0 | 1.0 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.13 | 1.00 | 1.00 |
| 5 | 17.0 | 1.0 | 1.0 | 7.9 | 1.0 | 1.0 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.12 | 1.00 | 1.00 |
| 6 | 16.0 | 1.0 | 1.0 | 12.4 | 12.4 | 12.4 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.14 | 1.14 | 1.14 |

LOAD ID 8 : Dead+Collateral+MIN_SNOW

REACTIONS:

| Bay Id | Shear(k) | | | | Moment (f-k) | | | | | |
|--------|-----------|----------|-----------|-----------|---------------|----------|--------------|------|-----------|-----------|
| | Left Sup | Left Lap | Right Lap | Right Sup | Left Sup | Left Lap | Mid-Span Mom | Loc | Right Lap | Right Sup |
| 1 | 0.57 | | -0.82 | -0.91 | 0.00 | | -1.75 | 6.15 | 1.87 | 2.73 |
| 2 | 0.82 | 0.73 | -0.66 | -0.75 | 2.73 | 1.96 | -0.89 | 8.86 | 1.46 | 2.17 |
| 3 | 0.77 | 0.68 | -0.71 | -0.80 | 2.17 | 1.44 | -1.07 | 8.37 | 1.62 | 2.37 |
| 4 | 0.80 | 0.71 | -0.68 | -0.77 | 2.37 | 1.62 | -1.07 | 8.63 | 1.44 | 2.17 |
| 5 | 0.75 | 0.66 | -0.73 | -0.82 | 2.17 | 1.46 | -0.89 | 8.14 | 1.96 | 2.73 |
| 6 | 0.91 | 0.82 | | -0.57 | 2.73 | 1.87 | -1.75 | 9.85 | | 0.00 |

STRENGTH/DEFLECTION:

| Bay Id | Loc | Shear(k) | | | Moment (f-k) | | | | Mom+Shear | | Deflect (in) | |
|--------|------|-----------|-------|------|---------------|-------|-------|------|-----------|------|--------------|-------|
| | | Calc | Limit | UC | Loc | Calc | Limit | UC | Loc | UC | Calc | Limit |
| 1 | RLap | -0.82 | 2.44 | 0.34 | MidS | -1.75 | 3.63 | 0.48 | RLap | 0.51 | -0.27 | |
| 2 | LLap | 0.73 | 2.44 | 0.30 | LLap | 1.96 | 3.95 | 0.50 | LLap | 0.50 | -0.09 | |
| 3 | RLap | -0.71 | 2.44 | 0.29 | RLap | 1.62 | 4.00 | 0.40 | RLap | 0.44 | -0.14 | |
| 4 | LLap | 0.71 | 2.44 | 0.29 | LLap | 1.62 | 4.00 | 0.40 | LLap | 0.44 | -0.14 | |
| 5 | RLap | -0.73 | 2.44 | 0.30 | RLap | 1.96 | 3.95 | 0.50 | RLap | 0.50 | -0.09 | |
| 6 | LLap | 0.82 | 2.44 | 0.34 | MidS | -1.75 | 3.63 | 0.48 | LLap | 0.51 | -0.27 | |

UNBRACED LENGTH:

| Bay Id | Major (ft) | Minor (ft) | | | | | Mom1/Mom2 | | | | | Cb | | | | |
|--------|------------|------------|------|------|------|------|-----------|-------|------|-------|------|------|------|------|------|------|
| | | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup |
| 1 | 16.0 | 12.2 | 1.0 | 1.0 | 2.8 | 1.0 | 1.00 | 1.00 | 1.00 | -0.03 | 0.68 | 1.13 | 1.00 | 1.00 | 1.80 | 1.15 |
| 2 | 17.0 | 1.0 | 3.7 | 1.0 | 2.9 | 1.0 | 0.72 | -0.04 | 1.00 | -0.04 | 0.67 | 1.13 | 1.89 | 1.00 | 1.85 | 1.15 |
| 3 | 17.0 | 1.0 | 2.7 | 1.0 | 3.0 | 1.0 | 0.66 | -0.03 | 1.00 | -0.04 | 0.68 | 1.16 | 1.83 | 1.00 | 1.84 | 1.15 |
| 4 | 17.0 | 1.0 | 3.0 | 1.0 | 2.7 | 1.0 | 0.68 | -0.04 | 1.00 | -0.03 | 0.66 | 1.15 | 1.84 | 1.00 | 1.83 | 1.16 |
| 5 | 17.0 | 1.0 | 2.9 | 1.0 | 3.7 | 1.0 | 0.67 | -0.04 | 1.00 | -0.04 | 0.72 | 1.15 | 1.85 | 1.00 | 1.89 | 1.13 |
| 6 | 16.0 | 1.0 | 2.8 | 1.0 | 1.0 | 12.2 | 0.68 | -0.03 | 1.00 | 1.00 | 1.00 | 1.15 | 1.80 | 1.00 | 1.00 | 1.13 |

LOAD ID 9 : Dead+Collateral+0.45Wind_Pressure+0.75MIN_SNOW

REACTIONS:

-----Shear(k)----- Moment (f-k)-----

| Bay Id | Left Sup | Left Lap | Right Lap | Right Sup | Left Sup | Left Lap | Mid-Span Mom | Loc | Right Lap | Right Sup |
|--------|----------|----------|-----------|-----------|----------|----------|--------------|------|-----------|-----------|
| 1 | 0.67 | | -0.96 | -1.07 | 0.00 | | -2.05 | 6.15 | 2.19 | 3.21 |
| 2 | 0.96 | 0.85 | -0.77 | -0.88 | 3.21 | 2.30 | -1.05 | 8.86 | 1.72 | 2.55 |
| 3 | 0.91 | 0.80 | -0.83 | -0.94 | 2.55 | 1.69 | -1.26 | 8.37 | 1.90 | 2.78 |
| 4 | 0.94 | 0.83 | -0.80 | -0.91 | 2.78 | 1.90 | -1.26 | 8.63 | 1.69 | 2.55 |
| 5 | 0.88 | 0.77 | -0.85 | -0.96 | 2.55 | 1.72 | -1.05 | 8.14 | 2.30 | 3.21 |
| 6 | 1.07 | 0.96 | | -0.67 | 3.21 | 2.19 | -2.05 | 9.85 | | 0.00 |

STRENGTH/DEFLECTION:

| Bay Id | Loc | Shear (k) | | | Moment (f-k) | | | | Mom+Shear | | Deflect (in) | |
|--------|------|------------|-------|------|---------------|-------|-------|------|-----------|------|--------------|-------|
| | | Calc | Limit | UC | Loc | Calc | Limit | UC | Loc | UC | Calc | Limit |
| 1 | RLap | -0.96 | 2.44 | 0.39 | MidS | -2.05 | 3.63 | 0.57 | RLap | 0.60 | -0.32 | |
| 2 | LLap | 0.85 | 2.44 | 0.35 | LLap | 2.30 | 3.96 | 0.58 | LLap | 0.59 | -0.11 | |
| 3 | RLap | -0.83 | 2.44 | 0.34 | RLap | 1.90 | 4.00 | 0.48 | RLap | 0.52 | -0.17 | |
| 4 | LLap | 0.83 | 2.44 | 0.34 | LLap | 1.90 | 4.00 | 0.48 | LLap | 0.52 | -0.17 | |
| 5 | RLap | -0.85 | 2.44 | 0.35 | RLap | 2.30 | 3.96 | 0.58 | RLap | 0.59 | -0.11 | |
| 6 | LLap | 0.96 | 2.44 | 0.39 | MidS | -2.05 | 3.63 | 0.57 | LLap | 0.60 | -0.32 | |

UNBRACED LENGTH:

| Bay Id | Major (ft) | Minor (ft) | | | | | Mom1/Mom2 | | | | | Cb | | | | |
|--------|------------|------------|------|------|------|------|-----------|-------|------|-------|------|------|------|------|------|------|
| | | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup |
| 1 | 16.0 | 12.2 | 1.0 | 1.0 | 2.8 | 1.0 | 1.00 | 1.00 | 1.00 | -0.03 | 0.68 | 1.13 | 1.00 | 1.00 | 1.80 | 1.15 |
| 2 | 17.0 | 1.0 | 3.5 | 1.0 | 2.9 | 1.0 | 0.72 | -0.01 | 1.00 | -0.04 | 0.67 | 1.13 | 1.84 | 1.00 | 1.85 | 1.15 |
| 3 | 17.0 | 1.0 | 2.7 | 1.0 | 3.0 | 1.0 | 0.66 | -0.03 | 1.00 | -0.04 | 0.68 | 1.16 | 1.83 | 1.00 | 1.84 | 1.15 |
| 4 | 17.0 | 1.0 | 3.0 | 1.0 | 2.7 | 1.0 | 0.68 | -0.04 | 1.00 | -0.03 | 0.66 | 1.15 | 1.84 | 1.00 | 1.83 | 1.16 |
| 5 | 17.0 | 1.0 | 2.9 | 1.0 | 3.5 | 1.0 | 0.67 | -0.04 | 1.00 | -0.01 | 0.72 | 1.15 | 1.85 | 1.00 | 1.84 | 1.13 |
| 6 | 16.0 | 1.0 | 2.8 | 1.0 | 1.0 | 12.2 | 0.68 | -0.03 | 1.00 | 1.00 | 1.00 | 1.15 | 1.80 | 1.00 | 1.00 | 1.13 |

LOAD ID 10 : Dead+Collateral+Snow/2+PAT_SL_3

REACTIONS:

| Bay Id | Shear (k) | | | | Moment (f-k) | | | | | | |
|--------|------------|----------|-----------|-----------|---------------|----------|--------------|------|-----------|-----------|--|
| | Left Sup | Left Lap | Right Lap | Right Sup | Left Sup | Left Lap | Mid-Span Mom | Loc | Right Lap | Right Sup | |
| 1 | 0.48 | | -0.71 | -0.79 | 0.00 | | -1.46 | 6.06 | 1.71 | 2.46 | |
| 2 | 0.74 | 0.66 | -0.54 | -0.62 | 2.46 | 1.77 | -0.94 | 9.25 | 0.88 | 1.45 | |
| 3 | 0.41 | 0.37 | -0.32 | -0.37 | 1.45 | 1.06 | -0.40 | 8.99 | 0.73 | 1.07 | |
| 4 | 0.39 | 0.34 | -0.35 | -0.39 | 1.07 | 0.71 | -0.57 | 8.45 | 0.74 | 1.11 | |
| 5 | 0.38 | 0.33 | -0.36 | -0.40 | 1.11 | 0.76 | -0.43 | 8.19 | 0.97 | 1.35 | |
| 6 | 0.45 | 0.41 | | -0.28 | 1.35 | 0.92 | -0.87 | 9.84 | | 0.00 | |

STRENGTH/DEFLECTION:

| Bay Id | Loc | Shear (k) | | | Moment (f-k) | | | | Mom+Shear | | Deflect (in) | |
|--------|------|------------|-------|------|---------------|-------|-------|------|-----------|------|--------------|-------|
| | | Calc | Limit | UC | Loc | Calc | Limit | UC | Loc | UC | Calc | Limit |
| 1 | RLap | -0.71 | 2.44 | 0.29 | RLap | 1.71 | 4.00 | 0.43 | RLap | 0.46 | -0.22 | |
| 2 | LLap | 0.66 | 2.44 | 0.27 | LLap | 1.77 | 3.96 | 0.45 | LLap | 0.45 | -0.12 | |
| 3 | LLap | 0.37 | 2.44 | 0.15 | LLap | 1.06 | 3.94 | 0.27 | LLap | 0.26 | -0.03 | |
| 4 | RLap | -0.35 | 2.44 | 0.14 | RLap | 0.74 | 4.01 | 0.18 | RLap | 0.21 | -0.08 | |
| 5 | RLap | -0.36 | 2.44 | 0.15 | RLap | 0.97 | 3.96 | 0.24 | RLap | 0.25 | -0.04 | |
| 6 | LLap | 0.41 | 2.44 | 0.17 | MidS | -0.87 | 3.63 | 0.24 | LLap | 0.25 | -0.14 | |

UNBRACED LENGTH:

| Bay Id | Major (ft) | Minor (ft) | | | | | Mom1/Mom2 | | | | | Cb | | | | |
|--------|------------|------------|------|------|------|------|-----------|-------|------|-------|------|------|------|------|------|------|
| | | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup |
| 1 | 16.0 | 12.0 | 1.0 | 1.0 | 3.0 | 1.0 | 1.00 | 1.00 | 1.00 | -0.03 | 0.70 | 1.13 | 1.00 | 1.00 | 1.81 | 1.14 |
| 2 | 17.0 | 1.0 | 3.6 | 1.0 | 2.0 | 1.0 | 0.72 | -0.04 | 1.00 | -0.03 | 0.60 | 1.13 | 1.87 | 1.00 | 1.79 | 1.20 |
| 3 | 17.0 | 1.0 | 3.8 | 1.0 | 2.8 | 1.0 | 0.73 | 0.00 | 1.00 | 0.00 | 0.68 | 1.12 | 1.83 | 1.00 | 1.80 | 1.15 |

| | | | | | | | | | | | | | | | | |
|---|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| 4 | 17.0 | 1.0 | 2.5 | 1.0 | 2.6 | 1.0 | 0.66 | 0.00 | 1.00 | 0.00 | 0.67 | 1.16 | 1.77 | 1.00 | 1.77 | 1.16 |
| 5 | 17.0 | 1.0 | 2.9 | 1.0 | 3.5 | 1.0 | 0.68 | 0.00 | 1.00 | 0.00 | 0.72 | 1.15 | 1.79 | 1.00 | 1.81 | 1.13 |
| 6 | 16.0 | 1.0 | 2.7 | 1.0 | 1.0 | 12.3 | 0.68 | 0.00 | 1.00 | 1.00 | 1.00 | 1.15 | 1.76 | 1.00 | 1.00 | 1.14 |

LOAD ID 11 : Dead+Collateral+Snow/2+PAT_SL_4

REACTIONS:

| Bay Id | Shear(k) | | | | Moment (f-k) | | | | | |
|--------|-----------|----------|-----------|-----------|---------------|----------|--------------|--------------|-----------|-----------|
| | Left Sup | Left Lap | Right Lap | Right Sup | Left Sup | Left Lap | Mid-Span Mom | Mid-Span Loc | Right Lap | Right Sup |
| 1 | 0.26 | | -0.43 | -0.48 | 0.00 | | -0.74 | 5.66 | 1.27 | 1.72 |
| 2 | 0.65 | 0.57 | -0.62 | -0.70 | 1.72 | 1.11 | -0.94 | 8.18 | 1.50 | 2.16 |
| 3 | 0.71 | 0.63 | -0.56 | -0.64 | 2.16 | 1.49 | -1.02 | 8.94 | 0.96 | 1.56 |
| 4 | 0.43 | 0.38 | -0.31 | -0.36 | 1.56 | 1.16 | -0.41 | 9.26 | 0.64 | 0.97 |
| 5 | 0.37 | 0.32 | -0.37 | -0.42 | 0.97 | 0.63 | -0.49 | 7.97 | 1.00 | 1.39 |
| 6 | 0.45 | 0.41 | | -0.28 | 1.39 | 0.96 | -0.86 | 9.89 | | 0.00 |

STRENGTH/DEFLECTION:

| Bay Id | Loc | Shear(k) | | | UC | Moment (f-k) | | | | Mom+Shear | | Deflect(in) | |
|--------|------|-----------|-------|------|------|---------------|------|-------|------|-----------|-------|-------------|-------|
| | | Calc | Limit | UC | | Loc | Calc | Limit | UC | Loc | UC | Calc | Limit |
| 1 | RLap | -0.43 | 2.44 | 0.18 | RLap | 1.27 | 3.94 | 0.32 | RLap | 0.31 | -0.09 | | |
| 2 | RLap | -0.62 | 2.44 | 0.26 | RLap | 1.50 | 3.99 | 0.38 | RLap | 0.40 | -0.13 | | |
| 3 | LLap | 0.63 | 2.44 | 0.26 | LLap | 1.49 | 4.00 | 0.37 | LLap | 0.40 | -0.15 | | |
| 4 | LLap | 0.38 | 2.44 | 0.16 | LLap | 1.16 | 3.93 | 0.30 | LLap | 0.28 | -0.03 | | |
| 5 | RLap | -0.37 | 2.44 | 0.15 | RLap | 1.00 | 3.96 | 0.25 | RLap | 0.25 | -0.06 | | |
| 6 | LLap | 0.41 | 2.44 | 0.17 | LLap | 0.96 | 4.01 | 0.24 | LLap | 0.26 | -0.13 | | |

UNBRACED LENGTH:

| Bay Id | Major (ft) | Minor (ft) | | | | | Mom1/Mom2 | | | | | Cb | | | | |
|--------|------------|------------|------|------|------|------|-----------|-------|------|-------|------|------|------|------|------|------|
| | | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup |
| 1 | 16.0 | 11.3 | 1.0 | 1.0 | 3.7 | 1.0 | 1.00 | 1.00 | 1.00 | 0.00 | 0.74 | 1.14 | 1.00 | 1.00 | 1.79 | 1.12 |
| 2 | 17.0 | 1.0 | 2.4 | 1.0 | 3.1 | 1.0 | 0.65 | -0.03 | 1.00 | -0.04 | 0.69 | 1.17 | 1.81 | 1.00 | 1.85 | 1.14 |
| 3 | 17.0 | 1.0 | 3.0 | 1.0 | 2.1 | 1.0 | 0.69 | -0.04 | 1.00 | -0.03 | 0.61 | 1.15 | 1.84 | 1.00 | 1.79 | 1.19 |
| 4 | 17.0 | 1.0 | 4.0 | 1.0 | 2.5 | 1.0 | 0.74 | 0.00 | 1.00 | 0.00 | 0.66 | 1.12 | 1.84 | 1.00 | 1.78 | 1.16 |
| 5 | 17.0 | 1.0 | 2.4 | 1.0 | 3.4 | 1.0 | 0.65 | 0.00 | 1.00 | 0.00 | 0.72 | 1.17 | 1.77 | 1.00 | 1.81 | 1.13 |
| 6 | 16.0 | 1.0 | 2.8 | 1.0 | 1.0 | 12.2 | 0.69 | 0.00 | 1.00 | 1.00 | 1.00 | 1.15 | 1.76 | 1.00 | 1.00 | 1.14 |

LOAD ID 12 : Dead+Collateral+Snow/2+PAT_SL_5

REACTIONS:

| Bay Id | Shear(k) | | | | Moment (f-k) | | | | | |
|--------|-----------|----------|-----------|-----------|---------------|----------|--------------|--------------|-----------|-----------|
| | Left Sup | Left Lap | Right Lap | Right Sup | Left Sup | Left Lap | Mid-Span Mom | Mid-Span Loc | Right Lap | Right Sup |
| 1 | 0.29 | | -0.40 | -0.45 | 0.00 | | -0.91 | 6.29 | 0.83 | 1.26 |
| 2 | 0.38 | 0.33 | -0.36 | -0.40 | 1.26 | 0.90 | -0.30 | 8.24 | 1.08 | 1.46 |
| 3 | 0.63 | 0.55 | -0.64 | -0.72 | 1.46 | 0.87 | -1.03 | 7.91 | 1.57 | 2.25 |
| 4 | 0.72 | 0.64 | -0.55 | -0.63 | 2.25 | 1.57 | -1.03 | 9.09 | 0.87 | 1.46 |
| 5 | 0.40 | 0.36 | -0.33 | -0.38 | 1.46 | 1.08 | -0.30 | 8.76 | 0.90 | 1.26 |
| 6 | 0.45 | 0.40 | | -0.29 | 1.26 | 0.83 | -0.91 | 9.71 | | 0.00 |

STRENGTH/DEFLECTION:

| Bay Id | Loc | Shear(k) | | | UC | Moment (f-k) | | | | Mom+Shear | | Deflect(in) | |
|--------|------|-----------|-------|------|------|---------------|------|-------|------|-----------|-------|-------------|-------|
| | | Calc | Limit | UC | | Loc | Calc | Limit | UC | Loc | UC | Calc | Limit |
| 1 | RLap | -0.40 | 2.44 | 0.16 | MidS | -0.91 | 3.63 | 0.25 | RLap | 0.24 | -0.15 | | |
| 2 | RLap | -0.36 | 2.44 | 0.15 | RLap | 1.08 | 3.92 | 0.28 | RLap | 0.27 | -0.01 | | |
| 3 | RLap | -0.64 | 2.44 | 0.26 | RLap | 1.57 | 3.99 | 0.39 | RLap | 0.42 | -0.15 | | |
| 4 | LLap | 0.64 | 2.44 | 0.26 | LLap | 1.57 | 3.99 | 0.39 | LLap | 0.42 | -0.15 | | |
| 5 | LLap | 0.36 | 2.44 | 0.15 | LLap | 1.08 | 3.92 | 0.28 | LLap | 0.27 | -0.01 | | |

6 LLap 0.40 2.44 0.16 MidS -0.91 3.63 0.25 LLap 0.24 -0.15

UNBRACED LENGTH:

| Bay Id | Major (ft) | -----Minor (ft)----- | | | | | -----Mom1/Mom2----- | | | | | -----Cb----- | | | | |
|--------|------------|----------------------|------|------|------|------|---------------------|-------|------|-------|------|--------------|------|------|------|------|
| | | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup |
| 1 | 16.0 | 12.6 | 1.0 | 1.0 | 2.4 | 1.0 | 1.00 | 1.00 | 1.00 | 0.00 | 0.66 | 1.14 | 1.00 | 1.00 | 1.75 | 1.16 |
| 2 | 17.0 | 1.0 | 3.6 | 1.0 | 4.1 | 1.0 | 0.72 | 0.00 | 1.00 | 0.00 | 0.74 | 1.13 | 1.84 | 1.00 | 1.86 | 1.12 |
| 3 | 17.0 | 1.0 | 1.9 | 1.0 | 3.1 | 1.0 | 0.60 | -0.03 | 1.00 | -0.04 | 0.70 | 1.20 | 1.78 | 1.00 | 1.84 | 1.14 |
| 4 | 17.0 | 1.0 | 3.1 | 1.0 | 1.9 | 1.0 | 0.70 | -0.04 | 1.00 | -0.03 | 0.60 | 1.14 | 1.84 | 1.00 | 1.78 | 1.20 |
| 5 | 17.0 | 1.0 | 4.1 | 1.0 | 3.6 | 1.0 | 0.74 | 0.00 | 1.00 | 0.00 | 0.72 | 1.12 | 1.86 | 1.00 | 1.84 | 1.13 |
| 6 | 16.0 | 1.0 | 2.4 | 1.0 | 1.0 | 12.6 | 0.66 | 0.00 | 1.00 | 1.00 | 1.00 | 1.16 | 1.75 | 1.00 | 1.00 | 1.14 |

LOAD ID 13 : Dead+Collateral+Snow/2+PAT_SL_6

REACTIONS:

| Bay Id | -----Shear (k)----- | | | | -----Moment (f-k)----- | | | | | |
|--------|----------------------|----------|-----------|-----------|-------------------------|----------|--------------|--------------|-----------|-----------|
| | Left Sup | Left Lap | Right Lap | Right Sup | Left Sup | Left Lap | Mid-Span Mom | Mid-Span Loc | Right Lap | Right Sup |
| 1 | 0.28 | | -0.41 | -0.45 | 0.00 | | -0.86 | 6.11 | 0.96 | 1.39 |
| 2 | 0.42 | 0.37 | -0.32 | -0.37 | 1.39 | 1.00 | -0.49 | 9.03 | 0.63 | 0.97 |
| 3 | 0.36 | 0.31 | -0.38 | -0.43 | 0.97 | 0.64 | -0.41 | 7.74 | 1.16 | 1.56 |
| 4 | 0.64 | 0.56 | -0.63 | -0.71 | 1.56 | 0.96 | -1.02 | 8.06 | 1.49 | 2.16 |
| 5 | 0.70 | 0.62 | -0.57 | -0.65 | 2.16 | 1.50 | -0.94 | 8.82 | 1.11 | 1.72 |
| 6 | 0.48 | 0.43 | | -0.26 | 1.72 | 1.27 | -0.74 | 10.34 | | 0.00 |

STRENGTH/DEFLECTION:

| Bay Id | -----Shear (k)----- | | | | -----Moment (f-k)----- | | | | Mom+Shear | | Deflect (in) | |
|--------|----------------------|-------|-------|------|-------------------------|------|-------|------|-----------|------|--------------|-------|
| | Loc | Calc | Limit | UC | Loc | Calc | Limit | UC | Loc | UC | Calc | Limit |
| 1 | RLap | -0.41 | 2.44 | 0.17 | RLap | 0.96 | 4.01 | 0.24 | RLap | 0.26 | -0.13 | |
| 2 | LLap | 0.37 | 2.44 | 0.15 | LLap | 1.00 | 3.96 | 0.25 | LLap | 0.25 | -0.06 | |
| 3 | RLap | -0.38 | 2.44 | 0.16 | RLap | 1.16 | 3.93 | 0.30 | RLap | 0.28 | -0.03 | |
| 4 | RLap | -0.63 | 2.44 | 0.26 | RLap | 1.49 | 4.00 | 0.37 | RLap | 0.40 | -0.15 | |
| 5 | LLap | 0.62 | 2.44 | 0.26 | LLap | 1.50 | 3.99 | 0.38 | LLap | 0.40 | -0.13 | |
| 6 | LLap | 0.43 | 2.44 | 0.18 | LLap | 1.27 | 3.94 | 0.32 | LLap | 0.31 | -0.09 | |

UNBRACED LENGTH:

| Bay Id | Major (ft) | -----Minor (ft)----- | | | | | -----Mom1/Mom2----- | | | | | -----Cb----- | | | | |
|--------|------------|----------------------|------|------|------|------|---------------------|-------|------|-------|------|--------------|------|------|------|------|
| | | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup |
| 1 | 16.0 | 12.2 | 1.0 | 1.0 | 2.8 | 1.0 | 1.00 | 1.00 | 1.00 | 0.00 | 0.69 | 1.14 | 1.00 | 1.00 | 1.76 | 1.15 |
| 2 | 17.0 | 1.0 | 3.4 | 1.0 | 2.4 | 1.0 | 0.72 | 0.00 | 1.00 | 0.00 | 0.65 | 1.13 | 1.81 | 1.00 | 1.77 | 1.17 |
| 3 | 17.0 | 1.0 | 2.5 | 1.0 | 4.0 | 1.0 | 0.66 | 0.00 | 1.00 | 0.00 | 0.74 | 1.16 | 1.78 | 1.00 | 1.84 | 1.12 |
| 4 | 17.0 | 1.0 | 2.1 | 1.0 | 3.0 | 1.0 | 0.61 | -0.03 | 1.00 | -0.04 | 0.69 | 1.19 | 1.79 | 1.00 | 1.84 | 1.15 |
| 5 | 17.0 | 1.0 | 3.1 | 1.0 | 2.4 | 1.0 | 0.69 | -0.04 | 1.00 | -0.03 | 0.65 | 1.14 | 1.85 | 1.00 | 1.81 | 1.17 |
| 6 | 16.0 | 1.0 | 3.7 | 1.0 | 1.0 | 11.3 | 0.74 | 0.00 | 1.00 | 1.00 | 1.00 | 1.12 | 1.79 | 1.00 | 1.00 | 1.14 |

LOAD ID 14 : Dead+Collateral+Snow/2+PAT_SL_7

REACTIONS:

| Bay Id | -----Shear (k)----- | | | | -----Moment (f-k)----- | | | | | |
|--------|----------------------|----------|-----------|-----------|-------------------------|----------|--------------|--------------|-----------|-----------|
| | Left Sup | Left Lap | Right Lap | Right Sup | Left Sup | Left Lap | Mid-Span Mom | Mid-Span Loc | Right Lap | Right Sup |
| 1 | 0.28 | | -0.41 | -0.45 | 0.00 | | -0.87 | 6.16 | 0.92 | 1.35 |
| 2 | 0.40 | 0.36 | -0.33 | -0.38 | 1.35 | 0.97 | -0.43 | 8.81 | 0.76 | 1.11 |
| 3 | 0.39 | 0.35 | -0.34 | -0.39 | 1.11 | 0.74 | -0.57 | 8.55 | 0.71 | 1.07 |
| 4 | 0.37 | 0.32 | -0.37 | -0.41 | 1.07 | 0.73 | -0.40 | 8.01 | 1.06 | 1.45 |
| 5 | 0.62 | 0.54 | -0.66 | -0.74 | 1.45 | 0.88 | -0.94 | 7.75 | 1.77 | 2.46 |
| 6 | 0.79 | 0.71 | | -0.48 | 2.46 | 1.71 | -1.46 | 9.94 | | 0.00 |

STRENGTH/DEFLECTION:

| Bay Id | Loc | Shear(k) | | | Moment (f-k) | | | | Mom+Shear | | Deflect (in) | |
|--------|------|-----------|-------|------|---------------|-------|-------|------|-----------|------|--------------|-------|
| | | Calc | Limit | UC | Loc | Calc | Limit | UC | Loc | UC | Calc | Limit |
| 1 | RLap | -0.41 | 2.44 | 0.17 | MidS | -0.87 | 3.63 | 0.24 | RLap | 0.25 | -0.14 | |
| 2 | LLap | 0.36 | 2.44 | 0.15 | LLap | 0.97 | 3.96 | 0.24 | LLap | 0.25 | -0.04 | |
| 3 | LLap | 0.35 | 2.44 | 0.14 | LLap | 0.74 | 4.01 | 0.18 | LLap | 0.21 | -0.08 | |
| 4 | RLap | -0.37 | 2.44 | 0.15 | RLap | 1.06 | 3.94 | 0.27 | RLap | 0.26 | -0.03 | |
| 5 | RLap | -0.66 | 2.44 | 0.27 | RLap | 1.77 | 3.96 | 0.45 | RLap | 0.45 | -0.12 | |
| 6 | LLap | 0.71 | 2.44 | 0.29 | LLap | 1.71 | 4.00 | 0.43 | LLap | 0.46 | -0.22 | |

UNBRACED LENGTH:

| Bay Id | Major (ft) | Minor (ft) | | | | | Mom1/Mom2 | | | | | Cb | | | | |
|--------|------------|------------|------|------|------|------|-----------|-------|------|-------|------|------|------|------|------|------|
| | | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup |
| 1 | 16.0 | 12.3 | 1.0 | 1.0 | 2.7 | 1.0 | 1.00 | 1.00 | 1.00 | 0.00 | 0.68 | 1.14 | 1.00 | 1.00 | 1.76 | 1.15 |
| 2 | 17.0 | 1.0 | 3.5 | 1.0 | 2.9 | 1.0 | 0.72 | 0.00 | 1.00 | 0.00 | 0.68 | 1.13 | 1.81 | 1.00 | 1.79 | 1.15 |
| 3 | 17.0 | 1.0 | 2.6 | 1.0 | 2.5 | 1.0 | 0.67 | 0.00 | 1.00 | 0.00 | 0.66 | 1.16 | 1.77 | 1.00 | 1.77 | 1.16 |
| 4 | 17.0 | 1.0 | 2.8 | 1.0 | 3.8 | 1.0 | 0.68 | 0.00 | 1.00 | 0.00 | 0.73 | 1.15 | 1.80 | 1.00 | 1.83 | 1.12 |
| 5 | 17.0 | 1.0 | 2.0 | 1.0 | 3.6 | 1.0 | 0.60 | -0.03 | 1.00 | -0.04 | 0.72 | 1.20 | 1.79 | 1.00 | 1.87 | 1.13 |
| 6 | 16.0 | 1.0 | 3.0 | 1.0 | 1.0 | 12.0 | 0.70 | -0.03 | 1.00 | 1.00 | 1.00 | 1.14 | 1.81 | 1.00 | 1.00 | 1.13 |

LOAD ID 15 : Dead+Collateral+Snow/2+PAT_SL_1

REACTIONS:

| Bay Id | Shear(k) | | | | Moment (f-k) | | | | | |
|--------|-----------|----------|-----------|-----------|---------------|----------|--------------|--------------|-----------|-----------|
| | Left Sup | Left Lap | Right Lap | Right Sup | Left Sup | Left Lap | Mid-Span Mom | Mid-Span Loc | Right Lap | Right Sup |
| 1 | 0.51 | | -0.68 | -0.76 | 0.00 | | -1.66 | 6.46 | 1.23 | 1.95 |
| 2 | 0.45 | 0.41 | -0.28 | -0.33 | 1.95 | 1.52 | -0.27 | 9.83 | 0.60 | 0.91 |
| 3 | 0.37 | 0.33 | -0.36 | -0.41 | 0.91 | 0.56 | -0.60 | 8.09 | 0.84 | 1.23 |
| 4 | 0.40 | 0.35 | -0.34 | -0.38 | 1.23 | 0.85 | -0.52 | 8.71 | 0.71 | 1.07 |
| 5 | 0.37 | 0.33 | -0.36 | -0.41 | 1.07 | 0.72 | -0.45 | 8.12 | 0.98 | 1.36 |
| 6 | 0.45 | 0.41 | | -0.28 | 1.36 | 0.93 | -0.87 | 9.85 | | 0.00 |

STRENGTH/DEFLECTION:

| Bay Id | Loc | Shear(k) | | | Moment (f-k) | | | | Mom+Shear | | Deflect (in) | |
|--------|------|-----------|-------|------|---------------|-------|-------|------|-----------|------|--------------|-------|
| | | Calc | Limit | UC | Loc | Calc | Limit | UC | Loc | UC | Calc | Limit |
| 1 | RLap | -0.68 | 2.44 | 0.28 | MidS | -1.66 | 3.63 | 0.46 | RLap | 0.38 | -0.28 | |
| 2 | LLap | 0.41 | 2.44 | 0.17 | LLap | 1.52 | 3.88 | 0.39 | LLap | 0.35 | 0.01 | |
| 3 | RLap | -0.36 | 2.44 | 0.15 | RLap | 0.84 | 4.00 | 0.21 | RLap | 0.23 | -0.09 | |
| 4 | LLap | 0.35 | 2.44 | 0.15 | LLap | 0.85 | 3.99 | 0.21 | LLap | 0.23 | -0.07 | |
| 5 | RLap | -0.36 | 2.44 | 0.15 | RLap | 0.98 | 3.96 | 0.25 | RLap | 0.25 | -0.05 | |
| 6 | LLap | 0.41 | 2.44 | 0.17 | MidS | -0.87 | 3.63 | 0.24 | LLap | 0.25 | -0.13 | |

UNBRACED LENGTH:

| Bay Id | Major (ft) | Minor (ft) | | | | | Mom1/Mom2 | | | | | Cb | | | | |
|--------|------------|------------|------|------|------|------|-----------|------|------|-------|------|------|------|------|------|------|
| | | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup |
| 1 | 16.0 | 12.9 | 1.0 | 1.0 | 2.1 | 1.0 | 1.00 | 1.00 | 1.00 | -0.02 | 0.63 | 1.14 | 1.00 | 1.00 | 1.77 | 1.18 |
| 2 | 17.0 | 1.0 | 5.4 | 1.0 | 2.7 | 1.0 | 0.78 | 0.00 | 1.00 | 0.00 | 0.66 | 1.10 | 1.90 | 1.00 | 1.81 | 1.16 |
| 3 | 17.0 | 1.0 | 2.0 | 1.0 | 2.8 | 1.0 | 0.62 | 0.00 | 1.00 | 0.00 | 0.69 | 1.19 | 1.75 | 1.00 | 1.78 | 1.15 |
| 4 | 17.0 | 1.0 | 3.0 | 1.0 | 2.6 | 1.0 | 0.69 | 0.00 | 1.00 | 0.00 | 0.66 | 1.14 | 1.79 | 1.00 | 1.77 | 1.16 |
| 5 | 17.0 | 1.0 | 2.7 | 1.0 | 3.5 | 1.0 | 0.67 | 0.00 | 1.00 | 0.00 | 0.72 | 1.16 | 1.78 | 1.00 | 1.81 | 1.13 |
| 6 | 16.0 | 1.0 | 2.7 | 1.0 | 1.0 | 12.3 | 0.68 | 0.00 | 1.00 | 1.00 | 1.00 | 1.15 | 1.76 | 1.00 | 1.00 | 1.14 |

LOAD ID 16 : Dead+Collateral+Snow/2+PAT_SL_2

REACTIONS:

| Bay | Shear(k) | | | | Moment (f-k) | | | | | |
|-----|-----------|------|-------|-------|---------------|------|----------|----------|-------|-------|
| | Left | Left | Right | Right | Left | Left | Mid-Span | Mid-Span | Right | Right |

| Id | Sup | Lap | Lap | Sup | Sup | Lap | Mom | Loc | Lap | Sup |
|----|------|------|-------|-------|------|------|-------|------|------|------|
| 1 | 0.28 | | -0.41 | -0.45 | 0.00 | | -0.87 | 6.15 | 0.93 | 1.36 |
| 2 | 0.41 | 0.36 | -0.33 | -0.37 | 1.36 | 0.98 | -0.45 | 8.88 | 0.72 | 1.07 |
| 3 | 0.38 | 0.34 | -0.35 | -0.40 | 1.07 | 0.71 | -0.52 | 8.29 | 0.85 | 1.23 |
| 4 | 0.41 | 0.36 | -0.33 | -0.37 | 1.23 | 0.84 | -0.60 | 8.91 | 0.56 | 0.91 |
| 5 | 0.33 | 0.28 | -0.41 | -0.45 | 0.91 | 0.60 | -0.27 | 7.17 | 1.52 | 1.95 |
| 6 | 0.76 | 0.68 | | -0.51 | 1.95 | 1.23 | -1.66 | 9.54 | | 0.00 |

STRENGTH/DEFLECTION:

| Bay | -----Shear(k)----- | | | | -----Moment(f-k)----- | | | | Mom+Shear | | Deflect(in) | |
|-----|---------------------|-------|-------|------|------------------------|-------|-------|------|-----------|------|-------------|-------|
| Id | Loc | Calc | Limit | UC | Loc | Calc | Limit | UC | Loc | UC | Calc | Limit |
| 1 | RLap | -0.41 | 2.44 | 0.17 | MidS | -0.87 | 3.63 | 0.24 | RLap | 0.25 | -0.13 | |
| 2 | LLap | 0.36 | 2.44 | 0.15 | LLap | 0.98 | 3.96 | 0.25 | LLap | 0.25 | -0.05 | |
| 3 | RLap | -0.35 | 2.44 | 0.15 | RLap | 0.85 | 3.99 | 0.21 | RLap | 0.23 | -0.07 | |
| 4 | LLap | 0.36 | 2.44 | 0.15 | LLap | 0.84 | 4.00 | 0.21 | LLap | 0.23 | -0.09 | |
| 5 | RLap | -0.41 | 2.44 | 0.17 | RLap | 1.52 | 3.88 | 0.39 | RLap | 0.35 | 0.01 | |
| 6 | LLap | 0.68 | 2.44 | 0.28 | MidS | -1.66 | 3.63 | 0.46 | LLap | 0.38 | -0.28 | |

UNBRACED LENGTH:

| Bay | Major | -----Minor(ft)----- | | | | | -----Mom1/Mom2----- | | | | | -----Cb----- | | | | |
|-----|-------|---------------------|------|------|------|------|---------------------|-------|------|------|------|--------------|------|------|------|------|
| Id | (ft) | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup |
| 1 | 16.0 | 12.3 | 1.0 | 1.0 | 2.7 | 1.0 | 1.00 | 1.00 | 1.00 | 0.00 | 0.68 | 1.14 | 1.00 | 1.00 | 1.76 | 1.15 |
| 2 | 17.0 | 1.0 | 3.5 | 1.0 | 2.7 | 1.0 | 0.72 | 0.00 | 1.00 | 0.00 | 0.67 | 1.13 | 1.81 | 1.00 | 1.78 | 1.16 |
| 3 | 17.0 | 1.0 | 2.6 | 1.0 | 3.0 | 1.0 | 0.66 | 0.00 | 1.00 | 0.00 | 0.69 | 1.16 | 1.77 | 1.00 | 1.79 | 1.14 |
| 4 | 17.0 | 1.0 | 2.8 | 1.0 | 2.0 | 1.0 | 0.69 | 0.00 | 1.00 | 0.00 | 0.62 | 1.15 | 1.78 | 1.00 | 1.75 | 1.19 |
| 5 | 17.0 | 1.0 | 2.7 | 1.0 | 5.4 | 1.0 | 0.66 | 0.00 | 1.00 | 0.00 | 0.78 | 1.16 | 1.81 | 1.00 | 1.90 | 1.10 |
| 6 | 16.0 | 1.0 | 2.1 | 1.0 | 1.0 | 12.9 | 0.63 | -0.02 | 1.00 | 1.00 | 1.00 | 1.18 | 1.77 | 1.00 | 1.00 | 1.14 |

LOAD ID 17 : Dead+Collateral+Snow-PAT_SL_1

REACTIONS:

| Bay | -----Shear(k)----- | | | | -----Moment(f-k)----- | | | | | |
|-----|---------------------|----------|-----------|-----------|------------------------|----------|--------------|-----------|-----------|------|
| Id | Left Sup | Left Lap | Right Lap | Right Sup | Left Sup | Left Lap | Mid-Span Mom | Right Lap | Right Sup | |
| 1 | 0.26 | | -0.43 | -0.48 | 0.00 | | -0.72 | 5.61 | 1.30 | 1.75 |
| 2 | 0.66 | 0.58 | -0.61 | -0.69 | 1.75 | 1.14 | -0.98 | 8.29 | 1.38 | 2.03 |
| 3 | 0.68 | 0.60 | -0.59 | -0.67 | 2.03 | 1.40 | -0.86 | 8.53 | 1.36 | 1.99 |
| 4 | 0.68 | 0.60 | -0.59 | -0.67 | 1.99 | 1.35 | -0.94 | 8.58 | 1.25 | 1.88 |
| 5 | 0.65 | 0.57 | -0.62 | -0.70 | 1.88 | 1.27 | -0.76 | 8.15 | 1.68 | 2.35 |
| 6 | 0.78 | 0.70 | | -0.49 | 2.35 | 1.60 | -1.50 | 9.85 | | 0.00 |

STRENGTH/DEFLECTION:

| Bay | -----Shear(k)----- | | | | -----Moment(f-k)----- | | | | Mom+Shear | | Deflect(in) | |
|-----|---------------------|-------|-------|------|------------------------|-------|-------|------|-----------|------|-------------|-------|
| Id | Loc | Calc | Limit | UC | Loc | Calc | Limit | UC | Loc | UC | Calc | Limit |
| 1 | RLap | -0.43 | 2.44 | 0.18 | RLap | 1.30 | 3.94 | 0.33 | RLap | 0.32 | -0.09 | |
| 2 | RLap | -0.61 | 2.44 | 0.25 | RLap | 1.38 | 4.01 | 0.34 | RLap | 0.38 | -0.14 | |
| 3 | LLap | 0.60 | 2.44 | 0.25 | LLap | 1.40 | 4.00 | 0.35 | LLap | 0.38 | -0.11 | |
| 4 | LLap | 0.60 | 2.44 | 0.25 | LLap | 1.35 | 4.01 | 0.34 | LLap | 0.37 | -0.13 | |
| 5 | RLap | -0.62 | 2.44 | 0.26 | RLap | 1.68 | 3.96 | 0.43 | RLap | 0.43 | -0.08 | |
| 6 | LLap | 0.70 | 2.44 | 0.29 | MidS | -1.50 | 3.63 | 0.41 | LLap | 0.44 | -0.23 | |

UNBRACED LENGTH:

| Bay | Major | -----Minor(ft)----- | | | | | -----Mom1/Mom2----- | | | | | -----Cb----- | | | | |
|-----|-------|---------------------|------|------|------|------|---------------------|------|------|-------|------|--------------|------|------|------|------|
| Id | (ft) | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup |
| 1 | 16.0 | 11.0 | 1.0 | 1.0 | 4.0 | 1.0 | 1.00 | 1.00 | 1.00 | -0.04 | 0.74 | 1.13 | 1.00 | 1.00 | 1.86 | 1.12 |
| 2 | 17.0 | 1.0 | 2.3 | 1.0 | 2.7 | 1.0 | 0.65 | 0.00 | 1.00 | 0.00 | 0.68 | 1.17 | 1.76 | 1.00 | 1.78 | 1.15 |
| 3 | 17.0 | 1.0 | 2.9 | 1.0 | 2.8 | 1.0 | 0.69 | 0.00 | 1.00 | 0.00 | 0.68 | 1.15 | 1.79 | 1.00 | 1.78 | 1.15 |
| 4 | 17.0 | 1.0 | 2.7 | 1.0 | 2.6 | 1.0 | 0.68 | 0.00 | 1.00 | 0.00 | 0.67 | 1.15 | 1.78 | 1.00 | 1.77 | 1.16 |

| | | | | | | | | | | | | | | | | |
|---|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| 5 | 17.0 | 1.0 | 2.8 | 1.0 | 3.5 | 1.0 | 0.68 | 0.00 | 1.00 | 0.00 | 0.72 | 1.15 | 1.79 | 1.00 | 1.81 | 1.13 |
| 6 | 16.0 | 1.0 | 2.7 | 1.0 | 1.0 | 12.3 | 0.68 | 0.00 | 1.00 | 1.00 | 1.00 | 1.15 | 1.76 | 1.00 | 1.00 | 1.14 |

LOAD ID 18 : Dead+Collateral+Snow-PAT_SL_2

REACTIONS:

| Bay Id | -----Shear(k)----- | | | | -----Moment (f-k)----- | | | | | |
|--------|---------------------|----------|-----------|-----------|-------------------------|----------|--------------|--------------|-----------|-----------|
| | Left Sup | Left Lap | Right Lap | Right Sup | Left Sup | Left Lap | Mid-Span Mom | Mid-Span Loc | Right Lap | Right Sup |
| 1 | 0.49 | | -0.70 | -0.78 | 0.00 | | -1.50 | 6.15 | 1.60 | 2.35 |
| 2 | 0.70 | 0.62 | -0.57 | -0.65 | 2.35 | 1.68 | -0.76 | 8.85 | 1.27 | 1.88 |
| 3 | 0.67 | 0.59 | -0.60 | -0.68 | 1.88 | 1.25 | -0.94 | 8.42 | 1.35 | 1.99 |
| 4 | 0.67 | 0.59 | -0.60 | -0.68 | 1.99 | 1.36 | -0.86 | 8.47 | 1.40 | 2.03 |
| 5 | 0.69 | 0.61 | -0.58 | -0.66 | 2.03 | 1.38 | -0.98 | 8.71 | 1.14 | 1.75 |
| 6 | 0.48 | 0.43 | | -0.26 | 1.75 | 1.30 | -0.72 | 10.39 | | 0.00 |

STRENGTH/DEFLECTION:

| Bay Id | -----Shear(k)----- | | | | -----Moment (f-k)----- | | | | Mom+Shear | | Deflect (in) | |
|--------|---------------------|-------|-------|------|-------------------------|-------|-------|------|-----------|------|--------------|-------|
| | Loc | Calc | Limit | UC | Loc | Calc | Limit | UC | Loc | UC | Calc | Limit |
| 1 | RLap | -0.70 | 2.44 | 0.29 | MidS | -1.50 | 3.63 | 0.41 | RLap | 0.44 | -0.23 | |
| 2 | LLap | 0.62 | 2.44 | 0.26 | LLap | 1.68 | 3.96 | 0.43 | LLap | 0.43 | -0.08 | |
| 3 | RLap | -0.60 | 2.44 | 0.25 | RLap | 1.35 | 4.01 | 0.34 | RLap | 0.37 | -0.13 | |
| 4 | RLap | -0.60 | 2.44 | 0.25 | RLap | 1.40 | 4.00 | 0.35 | RLap | 0.38 | -0.11 | |
| 5 | LLap | 0.61 | 2.44 | 0.25 | LLap | 1.38 | 4.01 | 0.34 | LLap | 0.38 | -0.14 | |
| 6 | LLap | 0.43 | 2.44 | 0.18 | LLap | 1.30 | 3.94 | 0.33 | LLap | 0.32 | -0.09 | |

UNBRACED LENGTH:

| Bay Id | Major (ft) | -----Minor (ft)----- | | | | | -----Mom1/Mom2----- | | | | | -----Cb----- | | | | |
|--------|------------|----------------------|------|------|------|------|---------------------|-------|------|------|------|--------------|------|------|------|------|
| | | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup | LSup | LLap | MidS | RLap | RSup |
| 1 | 16.0 | 12.3 | 1.0 | 1.0 | 2.7 | 1.0 | 1.00 | 1.00 | 1.00 | 0.00 | 0.68 | 1.14 | 1.00 | 1.00 | 1.76 | 1.15 |
| 2 | 17.0 | 1.0 | 3.5 | 1.0 | 2.8 | 1.0 | 0.72 | 0.00 | 1.00 | 0.00 | 0.68 | 1.13 | 1.81 | 1.00 | 1.79 | 1.15 |
| 3 | 17.0 | 1.0 | 2.6 | 1.0 | 2.7 | 1.0 | 0.67 | 0.00 | 1.00 | 0.00 | 0.68 | 1.16 | 1.77 | 1.00 | 1.78 | 1.15 |
| 4 | 17.0 | 1.0 | 2.8 | 1.0 | 2.9 | 1.0 | 0.68 | 0.00 | 1.00 | 0.00 | 0.69 | 1.15 | 1.78 | 1.00 | 1.79 | 1.15 |
| 5 | 17.0 | 1.0 | 2.7 | 1.0 | 2.3 | 1.0 | 0.68 | 0.00 | 1.00 | 0.00 | 0.65 | 1.15 | 1.78 | 1.00 | 1.76 | 1.17 |
| 6 | 16.0 | 1.0 | 4.0 | 1.0 | 1.0 | 11.0 | 0.74 | -0.04 | 1.00 | 1.00 | 1.00 | 1.12 | 1.86 | 1.00 | 1.00 | 1.13 |

DEFLECTION:

LOAD ID 19 : Dead+Collateral+Live

| Bay Id | DEFLECTION (in) | | |
|--------|-----------------|-------|-------|
| | Calc | Limit | Ratio |
| 1 | -0.33 | 1.07 | 0.31 |
| 2 | -0.11 | 1.13 | 0.10 |
| 3 | -0.18 | 1.13 | 0.16 |
| 4 | -0.18 | 1.13 | 0.16 |
| 5 | -0.11 | 1.13 | 0.10 |
| 6 | -0.33 | 1.07 | 0.31 |

LOAD ID 20 : Dead+Collateral+Snow

| Bay Id | DEFLECTION (in) | | |
|--------|-----------------|-------|-------|
| | Calc | Limit | Ratio |
| 1 | -0.23 | 1.07 | 0.22 |
| 2 | -0.08 | 1.13 | 0.07 |
| 3 | -0.12 | 1.13 | 0.11 |
| 4 | -0.12 | 1.13 | 0.11 |
| 5 | -0.08 | 1.13 | 0.07 |

6 -0.23 1.07 0.22

LOAD ID 21 : Dead+Collateral+Snow+Snow_Drift

Bay DEFLECTION(in)
Id Calc Limit Ratio

1 -0.23 1.07 0.22
2 -0.08 1.13 0.07
3 -0.12 1.13 0.11
4 -0.12 1.13 0.11
5 -0.08 1.13 0.07
6 -0.23 1.07 0.22

LOAD ID 22 : Dead+Collateral+0.75Live+0.41Wind_Pressure

Bay DEFLECTION(in)
Id Calc Limit Ratio

1 -0.35 1.28 0.27
2 -0.12 1.36 0.09
3 -0.19 1.36 0.14
4 -0.19 1.36 0.14
5 -0.12 1.36 0.09
6 -0.35 1.28 0.27

LOAD ID 23 : Dead+Collateral+0.75Snow+0.41Wind_Pressure

Bay DEFLECTION(in)
Id Calc Limit Ratio

1 -0.28 1.28 0.22
2 -0.10 1.36 0.07
3 -0.15 1.36 0.11
4 -0.15 1.36 0.11
5 -0.10 1.36 0.07
6 -0.28 1.28 0.22

LOAD ID 24 : Dead+Collateral+0.75Snow+0.41Wind_Pressure+0.75Snow_Drift

Bay DEFLECTION(in)
Id Calc Limit Ratio

1 -0.28 1.28 0.22
2 -0.10 1.36 0.07
3 -0.15 1.36 0.11
4 -0.15 1.36 0.11
5 -0.10 1.36 0.07
6 -0.28 1.28 0.22

LOAD ID 25 : 0.6Dead+0.54Wind_Suction

Bay DEFLECTION(in)
Id Calc Limit Ratio

1 0.25 1.28 0.19
2 0.04 1.36 0.03
3 0.10 1.36 0.08
4 0.10 1.36 0.08
5 0.04 1.36 0.03
6 0.25 1.28 0.19

LOAD ID 26 : Dead+Collateral+MIN_SNOW

Bay DEFLECTION(in)

| Id | Calc | Limit | Ratio |
|----|-------|-------|-------|
| 1 | -0.27 | 1.07 | 0.25 |
| 2 | -0.09 | 1.13 | 0.08 |
| 3 | -0.14 | 1.13 | 0.13 |
| 4 | -0.14 | 1.13 | 0.13 |
| 5 | -0.09 | 1.13 | 0.08 |
| 6 | -0.27 | 1.07 | 0.25 |

LOAD ID 27 : Dead+Collateral+0.41Wind_Pressure+0.75MIN_SNOW

| Bay | DEFLECTION(in) | | |
|-----|----------------|-------|-------|
| Id | Calc | Limit | Ratio |
| 1 | -0.31 | 1.28 | 0.24 |
| 2 | -0.11 | 1.36 | 0.08 |
| 3 | -0.16 | 1.36 | 0.12 |
| 4 | -0.16 | 1.36 | 0.12 |
| 5 | -0.11 | 1.36 | 0.08 |
| 6 | -0.31 | 1.28 | 0.24 |

LOAD ID 28 : Dead+Collateral+Snow/2+PAT_SL_3

| Bay | DEFLECTION(in) | | |
|-----|----------------|-------|-------|
| Id | Calc | Limit | Ratio |
| 1 | -0.22 | 1.07 | 0.21 |
| 2 | -0.12 | 1.13 | 0.11 |
| 3 | -0.03 | 1.13 | 0.03 |
| 4 | -0.08 | 1.13 | 0.07 |
| 5 | -0.04 | 1.13 | 0.04 |
| 6 | -0.14 | 1.07 | 0.13 |

LOAD ID 29 : Dead+Collateral+Snow/2+PAT_SL_4

| Bay | DEFLECTION(in) | | |
|-----|----------------|-------|-------|
| Id | Calc | Limit | Ratio |
| 1 | -0.09 | 1.07 | 0.08 |
| 2 | -0.13 | 1.13 | 0.11 |
| 3 | -0.15 | 1.13 | 0.13 |
| 4 | -0.03 | 1.13 | 0.03 |
| 5 | -0.06 | 1.13 | 0.05 |
| 6 | -0.13 | 1.07 | 0.12 |

LOAD ID 30 : Dead+Collateral+Snow/2+PAT_SL_5

| Bay | DEFLECTION(in) | | |
|-----|----------------|-------|-------|
| Id | Calc | Limit | Ratio |
| 1 | -0.15 | 1.07 | 0.14 |
| 2 | -0.01 | 1.13 | 0.01 |
| 3 | -0.15 | 1.13 | 0.13 |
| 4 | -0.15 | 1.13 | 0.13 |
| 5 | -0.01 | 1.13 | 0.01 |
| 6 | -0.15 | 1.07 | 0.14 |

LOAD ID 31 : Dead+Collateral+Snow/2+PAT_SL_6

| Bay | DEFLECTION(in) | | |
|-----|----------------|-------|-------|
| Id | Calc | Limit | Ratio |
| 1 | -0.13 | 1.07 | 0.12 |
| 2 | -0.06 | 1.13 | 0.05 |
| 3 | -0.03 | 1.13 | 0.03 |

| | | | |
|---|-------|------|------|
| 4 | -0.15 | 1.13 | 0.13 |
| 5 | -0.13 | 1.13 | 0.11 |
| 6 | -0.09 | 1.07 | 0.08 |

LOAD ID 32 : Dead+Collateral+Snow/2+PAT_SL_7

| Bay Id | DEFLECTION(in) | | |
|--------|----------------|-------|-------|
| | Calc | Limit | Ratio |
| 1 | -0.14 | 1.07 | 0.13 |
| 2 | -0.04 | 1.13 | 0.04 |
| 3 | -0.08 | 1.13 | 0.07 |
| 4 | -0.03 | 1.13 | 0.03 |
| 5 | -0.12 | 1.13 | 0.11 |
| 6 | -0.22 | 1.07 | 0.21 |

LOAD ID 33 : Dead+Collateral+Snow/2+PAT_SL_1

| Bay Id | DEFLECTION(in) | | |
|--------|----------------|-------|-------|
| | Calc | Limit | Ratio |
| 1 | -0.28 | 1.07 | 0.26 |
| 2 | 0.01 | 1.13 | 0.01 |
| 3 | -0.09 | 1.13 | 0.08 |
| 4 | -0.07 | 1.13 | 0.06 |
| 5 | -0.05 | 1.13 | 0.04 |
| 6 | -0.13 | 1.07 | 0.13 |

LOAD ID 34 : Dead+Collateral+Snow/2+PAT_SL_2

| Bay Id | DEFLECTION(in) | | |
|--------|----------------|-------|-------|
| | Calc | Limit | Ratio |
| 1 | -0.13 | 1.07 | 0.13 |
| 2 | -0.05 | 1.13 | 0.04 |
| 3 | -0.07 | 1.13 | 0.06 |
| 4 | -0.09 | 1.13 | 0.08 |
| 5 | 0.01 | 1.13 | 0.01 |
| 6 | -0.28 | 1.07 | 0.26 |

LOAD ID 35 : Dead+Collateral+Snow-PAT_SL_1

| Bay Id | DEFLECTION(in) | | |
|--------|----------------|-------|-------|
| | Calc | Limit | Ratio |
| 1 | -0.09 | 1.07 | 0.08 |
| 2 | -0.14 | 1.13 | 0.12 |
| 3 | -0.11 | 1.13 | 0.09 |
| 4 | -0.13 | 1.13 | 0.11 |
| 5 | -0.08 | 1.13 | 0.07 |
| 6 | -0.23 | 1.07 | 0.22 |

LOAD ID 36 : Dead+Collateral+Snow-PAT_SL_2

| Bay Id | DEFLECTION(in) | | |
|--------|----------------|-------|-------|
| | Calc | Limit | Ratio |
| 1 | -0.23 | 1.07 | 0.22 |
| 2 | -0.08 | 1.13 | 0.07 |
| 3 | -0.13 | 1.13 | 0.11 |
| 4 | -0.11 | 1.13 | 0.09 |
| 5 | -0.14 | 1.13 | 0.12 |
| 6 | -0.09 | 1.07 | 0.08 |

LAP SCREW SHEAR:

Screw Part =#1A

Screw Quan =6

| Surf Id | Bay Id | -----Left_Lap(k)----- | | | | -----Right_Lap(k)----- | | | |
|---------|--------|------------------------|------|-------|------|-------------------------|------|-------|------|
| | | Load | Calc | Limit | UC | Load | Calc | Limit | UC |
| 2 | 1 | | | | | 4 | 0.30 | 0.68 | 0.45 |
| | 2 | 4 | 0.30 | 0.68 | 0.45 | 4 | 0.24 | 0.68 | 0.35 |
| | 3 | 4 | 0.24 | 0.68 | 0.35 | 4 | 0.26 | 0.68 | 0.39 |
| | 4 | 4 | 0.26 | 0.68 | 0.39 | 4 | 0.24 | 0.68 | 0.35 |
| | 5 | 4 | 0.24 | 0.68 | 0.35 | 4 | 0.30 | 0.68 | 0.45 |
| | 6 | 4 | 0.30 | 0.68 | 0.45 | | | | |

PANEL LAYOUT:

| Surf Id | Part | Type | Gage | Yield | Surface Length | Rotation Stiffness |
|---------|-------|------|-------|-------|----------------|--------------------|
| 2 | PBR26 | PR | 26.00 | 60.0 | 50.04 | 0.00 |

PANEL STRENGTH:

| Surf Id | Area | Load Id | -----Support----- | | | | -----Midspan----- | | | |
|---------|--------|---------|-------------------|-------|-------|-------|-------------------|-------|-------|-------|
| | | | Offset (ft) | Calc | Limit | Ratio | Offset (ft) | Calc | Limit | Ratio |
| 2 | Left | 1 | 5.0 | 58.1 | 153.1 | 0.38 | 2.0 | -42.8 | 111.4 | 0.38 |
| | | 2 | 5.0 | 40.7 | 153.1 | 0.27 | 2.0 | -29.9 | 111.4 | 0.27 |
| | | 3 | 5.0 | 40.7 | 153.1 | 0.27 | 2.0 | -29.9 | 111.4 | 0.27 |
| | | 4 | 5.0 | 64.0 | 153.1 | 0.42 | 2.0 | -47.1 | 111.4 | 0.42 |
| | | 5 | 5.0 | 50.9 | 153.1 | 0.33 | 2.0 | -37.4 | 111.4 | 0.34 |
| | | 6 | 5.0 | -100 | 111.4 | 0.90 | 2.0 | 72.0 | 153.1 | 0.47 |
| | | 7 | 5.0 | 47.6 | 153.1 | 0.31 | 2.0 | -35.0 | 111.4 | 0.31 |
| | | 8 | 5.0 | 56.0 | 153.1 | 0.37 | 2.0 | -41.2 | 111.4 | 0.37 |
| 2 | Center | 1 | 5.0 | 58.1 | 153.1 | 0.38 | 2.0 | -42.8 | 111.4 | 0.38 |
| | | 2 | 5.0 | 40.7 | 153.1 | 0.27 | 2.0 | -29.9 | 111.4 | 0.27 |
| | | 3 | 5.0 | 40.7 | 153.1 | 0.27 | 2.0 | -29.9 | 111.4 | 0.27 |
| | | 4 | 5.0 | 64.0 | 153.1 | 0.42 | 2.0 | -47.1 | 111.4 | 0.42 |
| | | 5 | 5.0 | 50.9 | 153.1 | 0.33 | 2.0 | -37.4 | 111.4 | 0.34 |
| | | 6 | 5.0 | -72.7 | 111.4 | 0.65 | 2.0 | 52.3 | 153.1 | 0.34 |
| | | 7 | 5.0 | 47.6 | 153.1 | 0.31 | 2.0 | -35.0 | 111.4 | 0.31 |
| | | 8 | 5.0 | 56.0 | 153.1 | 0.37 | 2.0 | -41.2 | 111.4 | 0.37 |
| 2 | Right | 1 | 5.0 | 58.1 | 153.1 | 0.38 | 2.0 | -42.8 | 111.4 | 0.38 |
| | | 2 | 5.0 | 40.7 | 153.1 | 0.27 | 2.0 | -29.9 | 111.4 | 0.27 |
| | | 3 | 5.0 | 40.7 | 153.1 | 0.27 | 2.0 | -29.9 | 111.4 | 0.27 |
| | | 4 | 5.0 | 64.0 | 153.1 | 0.42 | 2.0 | -47.1 | 111.4 | 0.42 |
| | | 5 | 5.0 | 50.9 | 153.1 | 0.33 | 2.0 | -37.4 | 111.4 | 0.34 |
| | | 6 | 5.0 | -100 | 111.4 | 0.90 | 2.0 | 72.0 | 153.1 | 0.47 |
| | | 7 | 5.0 | 47.6 | 153.1 | 0.31 | 2.0 | -35.0 | 111.4 | 0.31 |
| | | 8 | 5.0 | 56.0 | 153.1 | 0.37 | 2.0 | -41.2 | 111.4 | 0.37 |

PANEL DEFLECTION:

| Surf Id | Area | Load Id | -----Deflection (in)----- | | | |
|---------|-------|---------|---------------------------|-------|-------|-------|
| | | | Offset | Calc | Limit | Ratio |
| 2 | Left | 9 | 2.5 | -0.16 | 1.00 | 0.16 |
| | | 10 | 2.5 | -0.11 | 1.00 | 0.11 |
| | | 11 | 2.5 | -0.11 | 1.00 | 0.11 |
| | | 12 | 2.5 | -0.07 | 1.00 | 0.07 |
| | | 13 | 2.5 | 0.27 | 1.00 | 0.27 |
| | | 14 | 2.5 | -0.13 | 1.00 | 0.13 |
| | | 2 | Center | 9 | 2.5 | -0.16 |
| 10 | 2.5 | | | -0.11 | 1.00 | 0.11 |
| 11 | 2.5 | | | -0.11 | 1.00 | 0.11 |
| 12 | 2.5 | | | -0.07 | 1.00 | 0.07 |
| 13 | 2.5 | | | 0.20 | 1.00 | 0.20 |
| 14 | 2.5 | | | -0.13 | 1.00 | 0.13 |
| 2 | Right | | | 9 | 2.5 | -0.16 |
| | | 10 | 2.5 | -0.11 | 1.00 | 0.11 |
| | | 11 | 2.5 | -0.11 | 1.00 | 0.11 |
| | | 12 | 2.5 | -0.07 | 1.00 | 0.07 |
| | | 13 | 2.5 | 0.27 | 1.00 | 0.27 |

LOAD COMBINATION:

Load

| Id | Description |
|------|-------------------------------------|
| ---- | ----- |
| 1 | Dead+Live |
| 2 | Dead+Snow |
| 3 | Dead+Snow+Snow_Drift |
| 4 | Dead+0.75Live+0.45Wind_Pressure |
| 5 | Dead+0.75Snow+0.45Wind_Pressure |
| 6 | 0.6Dead+0.6Wind_Suction |
| 7 | Dead+MIN_SNOW |
| 8 | Dead+0.45Wind_Pressure+0.75MIN_SNOW |
| 9 | Live |
| 10 | Snow |
| 11 | Snow+Snow_Drift |
| 12 | 0.54Wind_Pressure |
| 13 | 0.54Wind_Suction |
| 14 | MIN_SNOW |

PANEL:

| Part | Thick (in) | Yield (ksi) | Tensile Strength (ksi) |
|-------|------------|--------------|-------------------------|
| PBR26 | 0.019 | 60.00 | 78.00 |

PURLIN SCREWS:

| Part | Dia (in) | Washer (in) | Limit (k) |
|------|----------|-------------|------------|
| #17A | 0.209 | 0.50 | 2.90 |

PANEL ZONE LAYOUT:

| Surf Id | Zone Id | Description | ---Locate (ft)--- | | --Surface (ft)-- | | Bay Id | -Purlin(ft,in)- | | Panel Zone (ft) | |
|---------|---------|-----------------|-------------------|--------|------------------|---------|--------|-----------------|-------|-----------------|-------|
| | | | Start | End | Offset1 | Offset2 | | Id | Width | | Thick |
| 2 | 1 | Interior | 17.76 | 82.24 | 17.76 | 32.28 | 2 | 6 | 5.00 | 0.059 | 5.00 |
| 2 | 2 | Middle | 8.88 | 91.12 | 8.88 | 41.16 | 1 | 6 | 5.00 | 0.059 | 5.00 |
| 2 | 7 | Lt top corner | 0.00 | 8.88 | 0.00 | 2.96 | 1 | 1 | 5.00 | 0.059 | 5.00 |
| 2 | 8 | Rt top corner | 91.12 | 100.00 | 0.00 | 2.96 | 6 | 1 | 5.00 | 0.059 | 5.00 |
| 2 | 9 | Rt bot corner | 91.12 | 100.00 | 47.08 | 50.04 | 6 | 9 | 5.00 | 0.059 | 5.00 |
| 2 | 10 | Lt bot corner | 0.00 | 8.88 | 47.08 | 50.04 | 1 | 9 | 5.00 | 0.059 | 5.00 |
| 2 | 11 | Lt top cor gabl | 0.00 | 2.96 | 2.96 | 8.88 | 1 | 1 | 5.00 | 0.059 | 5.00 |
| 2 | 12 | Rt top cor gabl | 97.04 | 100.00 | 2.96 | 8.88 | 6 | 1 | 5.00 | 0.059 | 5.00 |
| 2 | 13 | Rt bot cor gabl | 97.04 | 100.00 | 41.16 | 47.08 | 6 | 9 | 5.00 | 0.059 | 5.00 |
| 2 | 14 | Lt bot cor gabl | 0.00 | 2.96 | 41.16 | 47.08 | 1 | 9 | 5.00 | 0.059 | 5.00 |
| 2 | 15 | Exterior | 0.00 | 100.00 | 0.00 | 50.04 | 1 | 6 | 5.00 | 0.059 | 5.00 |

PURLIN SCREW CHECK:

| Surf Id | Zone Id | Screw Space | Wind Suction (psf) | Load (k) | -----Limit(k)----- | | | Max UC |
|---------|---------|-------------|---------------------|-----------|---------------------|----------------|---------------|--------|
| | | | | | Purlin Pullout | Panel Pullover | Screw Tension | |
| 2 | 1 | 0.95 | 12.30 | 0.06 | 0.22 | 0.37 | 0.77 | 0.27 |
| 2 | 2 | 0.95 | 21.40 | 0.10 | 0.22 | 0.37 | 0.77 | 0.47 |
| 2 | 7 | 0.95 | 38.50 | 0.18 | 0.22 | 0.37 | 0.77 | 0.84 |
| 2 | 8 | 0.95 | 38.50 | 0.18 | 0.22 | 0.37 | 0.77 | 0.84 |
| 2 | 9 | 0.95 | 38.50 | 0.18 | 0.22 | 0.37 | 0.77 | 0.84 |
| 2 | 10 | 0.95 | 38.50 | 0.18 | 0.22 | 0.37 | 0.77 | 0.84 |
| 2 | 11 | 0.95 | 38.50 | 0.18 | 0.22 | 0.37 | 0.77 | 0.84 |
| 2 | 12 | 0.95 | 38.50 | 0.18 | 0.22 | 0.37 | 0.77 | 0.84 |
| 2 | 13 | 0.95 | 38.50 | 0.18 | 0.22 | 0.37 | 0.77 | 0.84 |
| 2 | 14 | 0.95 | 38.50 | 0.18 | 0.22 | 0.37 | 0.77 | 0.84 |
| 2 | 15 | 0.95 | 28.29 | 0.13 | 0.22 | 0.37 | 0.77 | 0.62 |

.. No Warnings

```

*( 1)VERSION/UNITS:
*VERSION    Units(I/M)
'2.01'      'I'

```

```

*( 2)JOB IDENTIFICATION:
*   Job Id
'6 and 7

```

```

*( 3)DESIGN CODE:
*Design Steel_Code      ---Build---   Code      Seismic
* Code      Cold      Country  Code  Year  Label      Zone
'WS'      'NAUS16'    '----'  'IBC ' '18'  'IBC 18 ' 'B '

```

```

*( 4)DESIGN CONSTANTS:
* ---Steel_Yield---  Stress  Strength_Factors
* C_Sec Z_Sec O_Sec  Ratio      Wind  Seismic
 55.0  55.0  55.0   1.03      1.0000  1.0000

```

```

*( 5)DEFLECTION LIMITS:
* -----Rafter-----      Girt  Panel  Part
* Live  Wind Total  Column  Wall  Wall  Wall
180.  180.    0.   180.   90.   60.   90.

```

```

*( 6)REPORTS:
*   Input  Column  Wall  Door  Wall  Cable
*   Echo   Rafter  Girt  Jamb  Panel  Brace
' I'      'Y'     'Y'   'Y'   'Y'   'Y'

```

```

*( 7)BUILDING SHAPE:
*   Build      Build      L_Eave   R_Eave   Peak      L_Roof   No.
*   Width      Length     Height   Height   Offset    Slope    Wall
50.0000 100.0000  14.7917 16.8750  0.0000   0.500   6

```

```

*( 8)WALL OPTIONS:
*Wall Design Detail  -----Notch-----      Base_Type      Base_Trim
* Id  Option Option  Depth  Width  Ext  Parapet  Panel  Jamb  Panel  Jamb
 1  'NYYY' 'YYYY' 1.500  1.500  1.500  0.0000  'O'  'O'  'Y'  'Y'
 2  'NYYY' 'YYYY' 1.500 11.250 1.500  0.0000  'O'  'O'  'Y'  'Y'
 3  'NYYY' 'YYYY' 1.500  1.500  1.500  0.0000  'O'  'O'  'Y'  'Y'
 4  'NYYY' 'YYYY' 1.500  1.500  1.500  0.0000  'O'  'O'  'Y'  'Y'

```

```

*( 9)INTERIOR WALL OPTIONS:
*Wall Design Detail  ----Notch---  Base_Type      Base_Trim
* Id  Option Option  Depth  Width  Panel  Jamb  Panel  Jamb
 6  'NYYY' 'YYYY' 0.000  0.000  '-'  '-'  'N'  'N'

```

```

*(10)STEP ELEVATION:
*No.      Start      End      Base      Eave      Step      -Slope_Offset-
*Step     Start      End      Elev      Height    Type      Start      End
 1      0.0000 100.0000  0.0000   0.0000  '-'      0.0000   0.0000

```

```

*(11)HALL SYSTEM:
* No. Hall
-----Notch-----  -----Wall_Id
*Hall Id  Type Orn Opt  Width  Height  Locate  Offset  Length  Depth  Width  L  R  S
E
 0

```

```

*(12)WALL PARTITIONS:
*Sets_Of  Wall      Wall      Column

```

| * Walls | Id | (L/T) | Offset | Length | Quan | Location | Side |
|---------|----|-------|--------|---------|------|----------|------|
| 1 | 6 | 'T' | 0.0000 | 50.0000 | 5 | 16.0000 | 'L' |
| | | | | | | 33.0000 | 'L' |
| | | | | | | 50.0000 | 'L' |
| | | | | | | 67.0000 | 'L' |
| | | | | | | 84.0000 | 'L' |

* (13) SPECIAL WALLS:

| * No. | --Location-- | -----Offset----- | Material | ---Extend--- | Base | Frame | | | | |
|-------|--------------|------------------|----------|--------------|------|-------|------|--------|-----|-----|
| *Wall | Use | Id | Start | End | Type | Thick | Type | Offset | Opt | Opt |
| 0 | | | | | | | | | | |

* (14) RECESS:

| * No. | -Location- | Wall_Id | | | | | | | | | | |
|---------|------------|---------|------|-----|--------|-------|-------|--------|--------|---|---|---|
| *Recess | Use | Id | Type | Orn | Offset | Width | Depth | Height | Option | L | C | R |
| 0 | | | | | | | | | | | | |

* (15) BAY SPACING:

| *Wall | Sets_Of | Bay | No. |
|-------|---------|---------|------|
| * Id | Bays | Width | Bays |
| 1 | 1 | 5.0000 | 10 |
| 2 | 3 | 16.0000 | 1 |
| | | 17.0000 | 4 |
| | | 16.0000 | 1 |
| 3 | 1 | 5.0000 | 10 |
| 4 | 3 | 5.3333 | 3 |
| | | 5.6667 | 12 |
| | | 5.3333 | 3 |
| 5 | 3 | 16.0000 | 1 |
| | | 17.0000 | 4 |
| | | 16.0000 | 1 |
| 6 | 1 | 5.0000 | 10 |

* (16) BAY OPENINGS:

| *No. | Wall | Bay | Bay | Bay | Open | Open | Sill | Access | Jamb_Type | Head | | | | |
|------|------|-----|--------|------|---------|---------|---------|--------|-----------|---------|-----|-----|------|---|
| Set | Id | Id | Offset | Type | Depth | Width | Height | Height | Opt | Id | Lt | Rt | Type | D |
| 6 | 2 | 1 | 2.0000 | 2 | 50.0000 | 12.0000 | 14.0000 | 0.0000 | '-' | 'DOOR62 | 'C' | 'C' | 'C' | 6 |
| .000 | | | | | | | | | | | | | | |
| | 2 | 2 | 2.5000 | 2 | 50.0000 | 12.0000 | 14.0000 | 0.0000 | '-' | 'DOOR62 | 'C' | 'C' | 'C' | 6 |
| .000 | | | | | | | | | | | | | | |
| | 2 | 3 | 2.5000 | 2 | 50.0000 | 12.0000 | 14.0000 | 0.0000 | '-' | 'DOOR62 | 'C' | 'C' | 'C' | 6 |
| .000 | | | | | | | | | | | | | | |
| | 2 | 4 | 2.5000 | 2 | 50.0000 | 12.0000 | 14.0000 | 0.0000 | '-' | 'DOOR62 | 'C' | 'C' | 'C' | 6 |
| .000 | | | | | | | | | | | | | | |
| | 2 | 5 | 2.5000 | 2 | 50.0000 | 12.0000 | 14.0000 | 0.0000 | '-' | 'DOOR62 | 'C' | 'C' | 'C' | 6 |
| .000 | | | | | | | | | | | | | | |
| | 2 | 6 | 2.0000 | 2 | 50.0000 | 12.0000 | 14.0000 | 0.0000 | '-' | 'DOOR62 | 'C' | 'C' | 'C' | 6 |
| .000 | | | | | | | | | | | | | | |

* (17) DOORS:

| *No. | -Location- | Door | Door | Access | | | | |
|-------|------------|------|--------|--------|--------|-----|-----|----|
| *Door | Use | Id | Locate | Width | Height | Rot | Opt | Id |
| 0 | | | | | | | | |

* (18) OPEN WALLS:

| *No. | -Location- | --Bay_Id-- | Wall | ----Type--- | Base | Full | | | | |
|-------|------------|------------|-------|-------------|--------|------|----|-----|------|------|
| *Wall | Use | Id | Start | End | Height | Use | Id | Opt | Type | Load |
| 0 | | | | | | | | | | |

* (19) COLUMNS:

| *Wall | No. | Col | Col | Col | Col | Set |
|-------|-----|-----|------|-----|-----|-------|
| * Id | Col | Id | Type | Rot | Opt | Depth |

| | | | | | | |
|---|----|----|-----|-----|-----|-------|
| 1 | 11 | 1 | '-' | 'R' | '-' | 6.000 |
| | | 2 | 'C' | 'F' | '-' | 6.000 |
| | | 3 | 'C' | 'F' | '-' | 6.000 |
| | | 4 | 'C' | 'F' | '-' | 6.000 |
| | | 5 | 'C' | 'F' | '-' | 6.000 |
| | | 6 | 'C' | 'F' | '-' | 6.000 |
| | | 7 | 'C' | 'F' | '-' | 6.000 |
| | | 8 | 'C' | 'F' | '-' | 6.000 |
| | | 9 | 'C' | 'F' | '-' | 6.000 |
| | | 10 | 'C' | 'F' | '-' | 6.000 |
| | | 11 | '-' | 'R' | '-' | 6.000 |
| 2 | 7 | 12 | 'C' | 'R' | '-' | 6.000 |
| | | 13 | 'C' | 'L' | '-' | 6.000 |
| | | 14 | 'C' | 'L' | '-' | 6.000 |
| | | 15 | 'C' | 'L' | '-' | 6.000 |
| | | 16 | 'C' | 'L' | '-' | 6.000 |
| | | 17 | 'C' | 'L' | '-' | 6.000 |
| | | 18 | 'C' | 'L' | '-' | 6.000 |
| 3 | 11 | 19 | '-' | 'L' | '-' | 6.000 |
| | | 20 | 'C' | 'F' | '-' | 6.000 |
| | | 21 | 'C' | 'F' | '-' | 6.000 |
| | | 22 | 'C' | 'F' | '-' | 6.000 |
| | | 23 | 'C' | 'F' | '-' | 6.000 |
| | | 24 | 'C' | 'F' | '-' | 6.000 |
| | | 25 | 'C' | 'F' | '-' | 6.000 |
| | | 26 | 'C' | 'F' | '-' | 6.000 |
| | | 27 | 'C' | 'F' | '-' | 6.000 |
| | | 28 | 'C' | 'F' | '-' | 6.000 |
| | | 29 | '-' | 'L' | '-' | 6.000 |
| 4 | 19 | 30 | 'C' | 'L' | '-' | 6.000 |
| | | 31 | 'C' | 'L' | '-' | 6.000 |
| | | 32 | 'C' | 'L' | '-' | 6.000 |
| | | 33 | 'C' | 'L' | '-' | 6.000 |
| | | 34 | 'C' | 'L' | '-' | 6.000 |
| | | 35 | 'C' | 'L' | '-' | 6.000 |
| | | 36 | 'C' | 'L' | '-' | 6.000 |
| | | 37 | 'C' | 'L' | '-' | 6.000 |
| | | 38 | 'C' | 'L' | '-' | 6.000 |
| | | 39 | 'C' | 'L' | '-' | 6.000 |
| | | 40 | 'C' | 'L' | '-' | 6.000 |
| | | 41 | 'C' | 'L' | '-' | 6.000 |
| | | 42 | 'C' | 'L' | '-' | 6.000 |
| | | 43 | 'C' | 'L' | '-' | 6.000 |
| | | 44 | 'C' | 'L' | '-' | 6.000 |
| | | 45 | 'C' | 'L' | '-' | 6.000 |
| | | 46 | 'C' | 'L' | '-' | 6.000 |
| | | 47 | 'C' | 'L' | '-' | 6.000 |
| | | 48 | 'C' | 'R' | '-' | 6.000 |

* (20) INTERIOR COLUMNS:

| *Wall | No. | Col | Col | Col | Col | Set |
|-------|-----|-----|------|-----|-----|-------|
| * Id | Col | Id | Type | Rot | Opt | Depth |
| 6 | 11 | 49 | '-' | 'L' | '-' | 6.000 |
| | | 50 | 'C' | 'F' | '-' | 6.000 |
| | | 51 | 'C' | 'F' | '-' | 6.000 |
| | | 52 | 'C' | 'F' | '-' | 6.000 |
| | | 53 | 'C' | 'F' | '-' | 6.000 |
| | | 54 | 'C' | 'F' | '-' | 6.000 |
| | | 55 | 'C' | 'F' | '-' | 6.000 |
| | | 56 | 'C' | 'F' | '-' | 6.000 |
| | | 57 | 'C' | 'F' | '-' | 6.000 |
| | | 58 | 'C' | 'F' | '-' | 6.000 |
| | | 59 | '-' | 'L' | '-' | 6.000 |

* (21) ADDITIONAL COLUMNS:

| *No. | Col | Location | Col | Col | Col | Col | Col | Set | |
|------|-----|----------|-----|--------|--------|------|-----|-----|-------|
| *Col | Id | Use | Id | Locate | Offset | Type | Rot | Opt | Depth |

0

* (22) RAFTERS:

| *Wall | No. | Raf | Raf | Raf | Raf | Raf | Set |
|-------|-----|-----|---------|------|-----|-----|-------|
| * Id | Raf | Id | Offset | Type | Rot | Opt | Depth |
| 1 | 0 | | | | | | |
| 2 | 6 | 1 | 0.0000 | 'O' | '-' | '-' | 6.125 |
| | | 2 | 16.0000 | 'O' | '-' | '-' | 6.125 |
| | | 3 | 33.0000 | 'O' | '-' | '-' | 6.125 |
| | | 4 | 50.0000 | 'O' | '-' | '-' | 6.125 |
| | | 5 | 67.0000 | 'O' | '-' | '-' | 6.125 |
| | | 6 | 84.0000 | 'O' | '-' | '-' | 6.125 |
| 3 | 0 | | | | | | |
| 4 | 6 | 7 | 0.0000 | 'O' | '-' | '-' | 6.125 |
| | | 8 | 16.0000 | 'O' | '-' | '-' | 6.125 |
| | | 9 | 33.0000 | 'O' | '-' | '-' | 6.125 |
| | | 10 | 50.0000 | 'O' | '-' | '-' | 6.125 |
| | | 11 | 67.0000 | 'O' | '-' | '-' | 6.125 |
| | | 12 | 84.0000 | 'O' | '-' | '-' | 6.125 |

* (23) INTERIOR RAFTERS:

| *Wall | No. | Raf | Raf | Raf | Raf | Raf | Set |
|-------|-----|-----|--------|------|-----|-----|-------|
| * Id | Raf | Id | Offset | Type | Rot | Opt | Depth |

6 0

* (24) ADDITIONAL RAFTERS:

| *No. | Raf | Location | Raf | -----Offset----- | Raf | Raf | Raf | Set | | |
|------|-----|----------|-----|------------------|-------|-----|------|-----|-----|-------|
| *Raf | Id | Use | Id | Locate | Start | End | Type | Rot | Opt | Depth |

0

* (25) GIRT LAYOUT:

| *No. | Wall | Top | Girt | Flange | Set | Max | Max_Unbr | |
|-------|------|------|------|--------|-------|-------|----------|---------|
| *Wall | Id | Type | Type | Opt | Strap | Depth | Space | Length |
| 4 | 1 | 'CF' | '--' | '-' | 'N' | 6.000 | 10.0000 | 10.0000 |
| | 2 | 'CF' | '--' | '-' | 'N' | 6.000 | 10.0000 | 10.0000 |
| | 3 | 'CF' | '--' | '-' | 'N' | 6.000 | 10.0000 | 10.0000 |
| | 4 | 'CF' | '--' | '-' | 'N' | 6.000 | 10.0000 | 10.0000 |

* (26) GIRT LOCATION:

| * No. | Wall | Set | No. | Girt |
|-------|------|-----|------|-------------------------------|
| *Wall | Id | Loc | Girt | Location |
| 4 | 1 | 'Y' | 4 | 3.6667 7.3333 11.0000 14.6667 |
| | 2 | 'Y' | 3 | 3.6667 7.3333 11.0000 |
| | 3 | 'Y' | 4 | 3.6667 7.3333 11.0000 14.6667 |
| | 4 | 'Y' | 3 | 3.6667 7.3333 11.0000 |

* (27) ROOF PURLINS:

| * Purlin | Peak | No. | ---Purlin--- |
|----------|--------|--------|--------------|
| * Type | Space | Purlin | Location Rot |
| 'ZB' | 0.0000 | 9 | 5.0000 'N' |
| | | | 10.0000 'N' |
| | | | 15.0000 'N' |
| | | | 20.0000 'N' |
| | | | 25.0000 'N' |
| | | | 30.0000 'N' |
| | | | 35.0000 'N' |
| | | | 40.0000 'N' |
| | | | 45.0000 'N' |

* (28) EXTERIOR WALL PANEL:

*Wall -----Wall_Panel-----

```

* Id Part Rot Opt Screw Color
  1 'CUSPANL ' '-' '---' 'S--' 'A1 '
  2 'CUSPANL ' '-' '---' 'S--' 'A1 '
  3 'CUSPANL ' '-' '---' 'S--' 'A1 '
  4 'CUSPANL ' '-' '---' 'S--' 'A1 '

```

* (29) INTERIOR WALL PANEL:

```

*Wall -----Wall_Panel-----
* Id Part Rot Opt Screw Color
  6 'PBR29 ' 'R' '---' 'S--' 'GL '

```

* (30) ROOF PANEL:

```

* Panel Panel Screw -----Standing_Seam-----
* Size Opt Type Use Type Clip Seam Type Clamp
'PBR26 ' '---' 'S--' 'N' '3U' 3.000 '-----' 'N'

```

* (31) ADDITIONAL PANELS:

```

* No. -Location- -----Offset----- Panel Screw Base
*Panel Use Id Start End Part Rot Opt Type Color Opt
  0

```

* (32) EXTERIOR WIND FRAMING:

```

*Wall Panel Brace Wall No.
* Id Shear Type Opt Dead Bay
  1 'Y' 'N' '-' 2.00 0
  2 'Y' 'N' '-' 2.00 0
  3 'Y' 'N' '-' 2.00 0
  4 'Y' 'N' '-' 2.00 0
  5 'Y' 'N' '-' 2.50 0

```

* (33) INTERIOR WIND FRAMING:

```

* Panel Brace Wall No.
* Shear Type Opt Dead Bay
  'Y' 'N' '-' 2.00 0
  'Y' 'N' '-' 2.00 0

```

* (34) BASIC LOADS:

```

* ---Deflection--- Wind Seis
* Dead Collat Live Snow Rain Basic Load_Ratio Load Load
* Load Load Load Load Load Wind Snow Wind Seis Factor Factor
  2.0 0.5 20.0 13.4 0.0 19.0 1.00 0.54 1.00 0.60 1.00

```

* (35) EDGE ZONE:

```

* Zone Brace
* Width Girt Panel Jamb Width Zone
  5.000 1.07 1.00 1.07 5.000

```

* (36) WIND PRESSURE/SUCTION:

```

* Wind Wind
* Press Suct
  16.6 -18.3 .. Ext Column
  16.6 -18.3 .. Girt/Header
  16.6 -18.3 .. Jamb
  20.5 -27.3 .. Ext Panel
  43.7 -28.0 .. Parapet Girt

  10.0 -10.0 .. Int Column
  10.0 -10.0 .. Int Panel

  8.4 -6.1 .. Bracing
  12.8 -9.1 .. Bracing, Edge
  28.5 -19.0 .. Bracing, Parapet

```

* (37) WIND COEFFICIENTS:

| | | | | | | | | | | | | | | | | | |
|----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|
| 37 | 1.03 | 1.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0 |
| 0 | 0.00 | | | | | | | | | | | | | | | | |
| 38 | 1.02 | 1.02 | 0.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 0 | 0.00 | | | | | | | | | | | | | | | | |
| 39 | 1.02 | 1.02 | 0.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0 |
| 0 | 0.00 | | | | | | | | | | | | | | | | |
| 40 | 1.02 | 1.02 | 0.00 | 0.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 0 | 0.00 | | | | | | | | | | | | | | | | |
| 41 | 1.02 | 1.02 | 0.00 | 0.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0 |
| 0 | 0.00 | | | | | | | | | | | | | | | | |
| 42 | 1.02 | 1.02 | 0.00 | 0.75 | 0.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 0 | 0.00 | | | | | | | | | | | | | | | | |
| 43 | 1.02 | 1.02 | 0.00 | 0.75 | 0.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0 |
| 0 | 0.00 | | | | | | | | | | | | | | | | |
| 44 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 0 | 0.00 | | | | | | | | | | | | | | | | |
| 45 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0 |
| 0 | 0.00 | | | | | | | | | | | | | | | | |
| 46 | 1.00 | 1.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 1 | 1.00 | | | | | | | | | | | | | | | | |
| 47 | 1.00 | 1.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.45 | 0 |
| 1 | 0.75 | | | | | | | | | | | | | | | | |
| 48 | 1.00 | 1.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.45 | 0 |
| 1 | 0.75 | | | | | | | | | | | | | | | | |

*(40) AUXILIARY LOADS:

| * No. | Aux | Aux | No. | Add | Add |
|-------|-----|------------|------|-----|------|
| Aux | Id | Name | Comb | Id | Coef |
| 1 | 1 | 'MIN_SNOW' | 1 | 1 | 1.00 |

*(41) ADDITIONAL LOADS:

| *No. | Add | Surf | Basic | Load | Load | F | D | ---Surface--- | | | |
|------|-----|------|----------|------|------|--------|--------|---------------|---------|-------|---------|
| *Add | Id | Id | Load | Type | Orn | W1 | W2 | D1 | D2 | Start | End |
| 1 | 1 | 2 | 'U_SNOW' | 'D' | 'T' | -16.00 | -16.00 | 0.0000 | 50.0434 | 0.000 | 100.000 |

*(42) TRIM STYLES:

| * No. | --Location-- | Jamb | |
|-------|--------------|------|------|
| Trim | Type | Id | Trim |
| 14 | 'EXT' | 1 | '--' |
| | 'EXT' | 2 | '--' |
| | 'EXT' | 3 | '--' |
| | 'EXT' | 4 | '--' |
| | 'INT' | 0 | '--' |
| | 'HALL' | 0 | '--' |
| | 'RECE' | 0 | '--' |
| | 'XTND' | 0 | '--' |
| | 'STEP' | 0 | '--' |
| | 'JAMB' | 0 | '--' |
| | 'PARA' | 0 | '--' |
| | 'FIRE' | 0 | '--' |
| | 'CLIM' | 0 | '--' |
| | 'LINE' | 0 | '--' |

*(43) PANEL SCREWS:

| * No. | Zone | Zone | Part | Dia | Limit | Washer | -----Spacing----- | | |
|-------|--------|------|------|-------|-------|--------|-------------------|-------|-------|
| | | | | | | Dia | | | |
| 2 | 'INT' | '#29 | ' | 0.209 | 2.900 | 0.500 | 12.000 | 6.000 | 0.000 |
| | 'EDGE' | '#29 | ' | 0.209 | 2.900 | 0.500 | 12.000 | 6.000 | 0.000 |

*AUXILIARY LOAD DESCRIPTIONS:

* Aux

* Id Description
* 1 Minimum snow load
*

*ADDITIONAL LOAD DESCRIPTIONS:

* Add
* Id Description
* 1 Minimum snow load surface 2

* Code file used was EW_IBC.18N Version 4.0

STRUCTURAL CODE:

Design Basis : WS
 Cold Formed Steel : NAUS16

BUILDING CODE:

Wind Code : IBC 18
 Seismic Zone : B

MODULUS OF ELASTICITY

Cold Formed Steel : 29500 (ksi)

ROOF LAYOUT:

| System Id | Roof_Extents Type Start End | Roof Length | Panel Part |
|--------------|---------------------------------------|----------------|---------------|
| 1 | Long 0.0 100.0 | 100.0 | PBR26 |

PANEL SHEAR:

| System Id | Type | ---Offset--- | | -Shear(k)- | | Panel_Shear (lb/ft) | | |
|--------------|------|--------------|------|-------------|------|---------------------|------|-------|
| | | Start | End | Wind | Seis | Wind | Seis | Limit |
| 1 | Long | 0.0 | 5.0 | 3.55 | 1.69 | 35.5 | 16.9 | 100.0 |
| | | 5.0 | 10.0 | 3.14 | 1.53 | 31.4 | 15.3 | 100.0 |
| | | 10.0 | 15.0 | 2.81 | 1.37 | 28.1 | 13.7 | 100.0 |
| | | 15.0 | 20.0 | 2.48 | 1.21 | 24.8 | 12.1 | 100.0 |
| | | 20.0 | 25.0 | 2.14 | 1.04 | 21.4 | 10.4 | 100.0 |
| | | 25.0 | 30.0 | 1.79 | 0.88 | 17.9 | 8.8 | 100.0 |
| | | 30.0 | 35.0 | 1.44 | 0.72 | 14.4 | 7.2 | 100.0 |
| | | 35.0 | 40.0 | 1.09 | 0.56 | 10.9 | 5.6 | 100.0 |
| | | 40.0 | 45.0 | 0.73 | 0.40 | 7.3 | 4.0 | 100.0 |
| | | 45.0 | 50.0 | 0.28 | 0.23 | 2.8 | 2.3 | 100.0 |

PANEL SHEAR:

| Wall | Offset | Wall_Extents | | Base Length | Panel Part | -Force(k)- | | Panel_Shear(lb/ft) | | |
|------|--------|--------------|-------|----------------|---------------|------------|------|--------------------|------|-------|
| | | Start | End | | | Wind | Seis | Wind | Seis | Limit |
| B_SW | 0.0 | 0.0 | 100.0 | 100.0 | CUSPANL | 3.80 | 1.90 | 38.0 | 19.0 | 50.0 |
| F_SW | 50.0 | 0.0 | 100.0 | Open | | | | | | |
| L_EW | 0.0 | 0.0 | 50.0 | 50.0 | CUSPANL | 0.80 | 0.18 | 16.1 | 3.7 | 50.0 |
| Tran | 16.0 | 0.0 | 50.0 | 50.0 | PBR29 | 1.66 | 0.30 | 33.1 | 6.1 | 100.0 |
| Tran | 33.0 | 0.0 | 50.0 | 50.0 | PBR29 | 1.71 | 0.31 | 34.1 | 6.2 | 100.0 |
| Tran | 50.0 | 0.0 | 50.0 | 50.0 | PBR29 | 1.71 | 0.31 | 34.1 | 6.2 | 100.0 |
| Tran | 67.0 | 0.0 | 50.0 | 50.0 | PBR29 | 1.71 | 0.31 | 34.1 | 6.2 | 100.0 |
| Tran | 84.0 | 0.0 | 50.0 | 50.0 | PBR29 | 1.66 | 0.30 | 33.1 | 6.1 | 100.0 |
| R_EW | 100.0 | 0.0 | 50.0 | 50.0 | CUSPANL | 0.80 | 0.18 | 16.1 | 3.7 | 50.0 |

WALL LAYOUT:

| Wall Id | Orn | Load Width |
|---------|-----|------------|
| 1 | T | 8.00 |

MEMBER LAYOUT:

| Id | Locate (ft) | Part | ---Web (in)--- Depth | ---Flange (in)--- Thick | Width | Thick | Length (ft) | Weight (lb) | ----Max_Load---- Id | UC | Report |
|--------|-------------|--------|-------------------------|----------------------------|-------|-------|-------------|-------------|------------------------|------|---------|
| Col2 | 5.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 15.0 | 32.9 | 15 | 0.61 | Mom+Axl |
| Col3 | 10.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 15.3 | 33.4 | 15 | 0.60 | Mom+Axl |
| Col4 | 15.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 15.5 | 33.9 | 15 | 0.62 | Mom+Axl |
| Col5 | 20.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 15.7 | 34.3 | 10 | 0.64 | Deflect |
| Col6 | 25.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 15.9 | 34.8 | 10 | 0.67 | Deflect |
| Col7 | 30.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 16.1 | 35.2 | 10 | 0.70 | Deflect |
| Col8 | 35.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 16.3 | 35.7 | 10 | 0.72 | Deflect |
| Col9 | 40.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 16.5 | 36.1 | 10 | 0.75 | Deflect |
| Col10 | 45.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 16.7 | 36.6 | 10 | 0.81 | Deflect |
| Total= | | | | | | | | 312.9 | | | |

DESIGN ACTIONS/STRENGTH:

| Id | Load Id | -Axial(k)- | | -Shear(k)- | | Moment(f-k) | | -----Unity_Check----- | | | |
|------|---------|------------|-------|------------|-------|-------------|-------|-----------------------|-------|--------|--------|
| | | Calc | Limit | Calc | Limit | Calc | Limit | Axial | Shear | Moment | Shear+ |
| Col2 | 1 | 0.94 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.11 | 0.00 | 0.11 | 0.00 |
| Col2 | 2 | 0.14 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col2 | 3 | 0.68 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col2 | 4 | 0.68 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col2 | 5 | 0.74 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col2 | 6 | 0.54 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.06 | 0.00 | 0.06 | 0.00 |
| Col2 | 7 | 0.54 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.06 | 0.00 | 0.06 | 0.00 |
| Col2 | 8 | -0.43 | 21.18 | 0.37 | 3.32 | -1.41 | 2.65 | 0.02 | 0.11 | 0.51 | 0.00 |
| Col2 | 9 | -0.19 | 21.18 | 0.37 | 3.32 | -1.41 | 2.65 | 0.01 | 0.11 | 0.52 | 0.00 |
| Col2 | 10 | -0.43 | 21.18 | -0.43 | 3.32 | 1.61 | 2.65 | 0.02 | 0.13 | 0.59 | 0.00 |
| Col2 | 11 | -0.19 | 21.18 | -0.43 | 3.32 | 1.61 | 2.65 | 0.01 | 0.13 | 0.60 | 0.00 |
| Col2 | 12 | -0.43 | 21.18 | -0.43 | 3.32 | 1.61 | 2.65 | 0.02 | 0.13 | 0.59 | 0.00 |
| Col2 | 13 | -0.19 | 21.18 | -0.43 | 3.32 | 1.61 | 2.65 | 0.01 | 0.13 | 0.60 | 0.00 |
| Col2 | 14 | -0.26 | 21.18 | -0.43 | 3.32 | 1.61 | 2.65 | 0.01 | 0.13 | 0.59 | 0.00 |
| Col2 | 15 | -0.03 | 21.18 | -0.43 | 3.32 | 1.61 | 2.65 | 0.00 | 0.13 | 0.61 | 0.00 |
| Col2 | 16 | 0.45 | 8.38 | -0.32 | 3.32 | 1.21 | 2.65 | 0.05 | 0.10 | 0.51 | 0.00 |
| Col2 | 17 | 0.63 | 8.38 | -0.32 | 3.32 | 1.21 | 2.65 | 0.08 | 0.10 | 0.53 | 0.00 |
| Col2 | 18 | 0.33 | 8.38 | -0.32 | 3.32 | 1.21 | 2.65 | 0.04 | 0.10 | 0.49 | 0.00 |
| Col2 | 19 | 0.51 | 8.38 | -0.32 | 3.32 | 1.21 | 2.65 | 0.06 | 0.10 | 0.52 | 0.00 |
| Col2 | 20 | 0.26 | 8.38 | -0.32 | 3.32 | 1.21 | 2.65 | 0.03 | 0.10 | 0.49 | 0.00 |
| Col2 | 21 | 0.43 | 8.38 | -0.32 | 3.32 | 1.21 | 2.65 | 0.05 | 0.10 | 0.51 | 0.00 |
| Col2 | 22 | 0.13 | 8.38 | -0.32 | 3.32 | 1.21 | 2.65 | 0.02 | 0.10 | 0.47 | 0.00 |
| Col2 | 23 | 0.31 | 8.38 | -0.32 | 3.32 | 1.21 | 2.65 | 0.04 | 0.10 | 0.49 | 0.00 |
| Col2 | 24 | 0.26 | 8.38 | -0.32 | 3.32 | 1.21 | 2.65 | 0.03 | 0.10 | 0.49 | 0.00 |
| Col2 | 25 | 0.43 | 8.38 | -0.32 | 3.32 | 1.21 | 2.65 | 0.05 | 0.10 | 0.51 | 0.00 |
| Col2 | 26 | 0.13 | 8.38 | -0.32 | 3.32 | 1.21 | 2.65 | 0.02 | 0.10 | 0.47 | 0.00 |
| Col2 | 27 | 0.31 | 8.38 | -0.32 | 3.32 | 1.21 | 2.65 | 0.04 | 0.10 | 0.49 | 0.00 |
| Col2 | 28 | -0.46 | 21.18 | 0.37 | 3.32 | -1.41 | 2.65 | 0.02 | 0.11 | 0.51 | 0.00 |
| Col2 | 29 | -0.23 | 21.18 | 0.37 | 3.32 | -1.41 | 2.65 | 0.01 | 0.11 | 0.52 | 0.00 |
| Col2 | 30 | -0.46 | 21.18 | -0.43 | 3.32 | 1.61 | 2.65 | 0.02 | 0.13 | 0.59 | 0.00 |
| Col2 | 31 | -0.23 | 21.18 | -0.43 | 3.32 | 1.61 | 2.65 | 0.01 | 0.13 | 0.60 | 0.00 |
| Col2 | 32 | -0.46 | 21.18 | -0.43 | 3.32 | 1.61 | 2.65 | 0.02 | 0.13 | 0.59 | 0.00 |

| | | | | | | | | | | | |
|------|----|-------|-------|-------|------|-------|------|------|------|------|------|
| Col2 | 33 | -0.23 | 21.18 | -0.43 | 3.32 | 1.61 | 2.65 | 0.01 | 0.13 | 0.60 | 0.00 |
| Col2 | 34 | -0.29 | 21.18 | -0.43 | 3.32 | 1.61 | 2.65 | 0.01 | 0.13 | 0.59 | 0.00 |
| Col2 | 35 | -0.06 | 21.18 | -0.43 | 3.32 | 1.61 | 2.65 | 0.00 | 0.13 | 0.60 | 0.00 |
| Col2 | 36 | 0.15 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col2 | 37 | 0.15 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col2 | 38 | 0.74 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col2 | 39 | 0.74 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col2 | 40 | 0.55 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col2 | 41 | 0.55 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col2 | 42 | 0.55 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col2 | 43 | 0.55 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col2 | 44 | 0.09 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col2 | 45 | 0.09 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col2 | 46 | 0.78 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col2 | 47 | 0.33 | 8.38 | -0.32 | 3.32 | 1.21 | 2.65 | 0.04 | 0.10 | 0.50 | 0.00 |
| Col2 | 48 | 0.51 | 8.38 | -0.32 | 3.32 | 1.21 | 2.65 | 0.06 | 0.10 | 0.52 | 0.00 |
| Col2 | 49 | 0.14 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col2 | 50 | 0.14 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col2 | 51 | 0.09 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col2 | 52 | 0.09 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col3 | 1 | 0.94 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.11 | 0.00 | 0.11 | 0.00 |
| Col3 | 2 | 0.14 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col3 | 3 | 0.68 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col3 | 4 | 0.68 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col3 | 5 | 0.74 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col3 | 6 | 0.54 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col3 | 7 | 0.54 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col3 | 8 | -0.43 | 21.18 | 0.38 | 3.32 | -1.45 | 2.65 | 0.02 | 0.11 | 0.53 | 0.00 |
| Col3 | 9 | -0.19 | 21.18 | 0.38 | 3.32 | -1.45 | 2.65 | 0.01 | 0.11 | 0.54 | 0.00 |
| Col3 | 10 | -0.43 | 21.18 | -0.42 | 3.32 | 1.60 | 2.65 | 0.02 | 0.13 | 0.58 | 0.00 |
| Col3 | 11 | -0.19 | 21.18 | -0.42 | 3.32 | 1.60 | 2.65 | 0.01 | 0.13 | 0.59 | 0.00 |
| Col3 | 12 | -0.43 | 21.18 | -0.42 | 3.32 | 1.60 | 2.65 | 0.02 | 0.13 | 0.58 | 0.00 |
| Col3 | 13 | -0.19 | 21.18 | -0.42 | 3.32 | 1.60 | 2.65 | 0.01 | 0.13 | 0.59 | 0.00 |
| Col3 | 14 | -0.26 | 21.18 | -0.42 | 3.32 | 1.60 | 2.65 | 0.01 | 0.13 | 0.59 | 0.00 |
| Col3 | 15 | -0.03 | 21.18 | -0.42 | 3.32 | 1.60 | 2.65 | 0.00 | 0.13 | 0.60 | 0.00 |
| Col3 | 16 | 0.45 | 8.29 | -0.31 | 3.32 | 1.20 | 2.65 | 0.05 | 0.09 | 0.51 | 0.00 |
| Col3 | 17 | 0.63 | 8.29 | -0.31 | 3.32 | 1.20 | 2.65 | 0.08 | 0.09 | 0.53 | 0.00 |
| Col3 | 18 | 0.33 | 8.29 | -0.31 | 3.32 | 1.20 | 2.65 | 0.04 | 0.09 | 0.49 | 0.00 |
| Col3 | 19 | 0.51 | 8.29 | -0.31 | 3.32 | 1.20 | 2.65 | 0.06 | 0.09 | 0.51 | 0.00 |
| Col3 | 20 | 0.26 | 8.29 | -0.31 | 3.32 | 1.20 | 2.65 | 0.03 | 0.09 | 0.48 | 0.00 |
| Col3 | 21 | 0.43 | 8.29 | -0.31 | 3.32 | 1.20 | 2.65 | 0.05 | 0.09 | 0.50 | 0.00 |
| Col3 | 22 | 0.13 | 8.29 | -0.31 | 3.32 | 1.20 | 2.65 | 0.02 | 0.09 | 0.47 | 0.00 |
| Col3 | 23 | 0.31 | 8.29 | -0.31 | 3.32 | 1.20 | 2.65 | 0.04 | 0.09 | 0.49 | 0.00 |
| Col3 | 24 | 0.26 | 8.29 | -0.31 | 3.32 | 1.20 | 2.65 | 0.03 | 0.09 | 0.48 | 0.00 |
| Col3 | 25 | 0.43 | 8.29 | -0.31 | 3.32 | 1.20 | 2.65 | 0.05 | 0.09 | 0.50 | 0.00 |
| Col3 | 26 | 0.13 | 8.29 | -0.31 | 3.32 | 1.20 | 2.65 | 0.02 | 0.09 | 0.47 | 0.00 |
| Col3 | 27 | 0.31 | 8.29 | -0.31 | 3.32 | 1.20 | 2.65 | 0.04 | 0.09 | 0.49 | 0.00 |
| Col3 | 28 | -0.46 | 21.18 | 0.38 | 3.32 | -1.45 | 2.65 | 0.02 | 0.11 | 0.53 | 0.00 |
| Col3 | 29 | -0.22 | 21.18 | 0.38 | 3.32 | -1.45 | 2.65 | 0.01 | 0.11 | 0.54 | 0.00 |
| Col3 | 30 | -0.46 | 21.18 | -0.42 | 3.32 | 1.60 | 2.65 | 0.02 | 0.13 | 0.58 | 0.00 |
| Col3 | 31 | -0.22 | 21.18 | -0.42 | 3.32 | 1.60 | 2.65 | 0.01 | 0.13 | 0.59 | 0.00 |
| Col3 | 32 | -0.46 | 21.18 | -0.42 | 3.32 | 1.60 | 2.65 | 0.02 | 0.13 | 0.58 | 0.00 |
| Col3 | 33 | -0.22 | 21.18 | -0.42 | 3.32 | 1.60 | 2.65 | 0.01 | 0.13 | 0.59 | 0.00 |
| Col3 | 34 | -0.29 | 21.18 | -0.42 | 3.32 | 1.60 | 2.65 | 0.01 | 0.13 | 0.59 | 0.00 |
| Col3 | 35 | -0.06 | 21.18 | -0.42 | 3.32 | 1.60 | 2.65 | 0.00 | 0.13 | 0.60 | 0.00 |
| Col3 | 36 | 0.15 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col3 | 37 | 0.15 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col3 | 38 | 0.74 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col3 | 39 | 0.74 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col3 | 40 | 0.55 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col3 | 41 | 0.55 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col3 | 42 | 0.55 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col3 | 43 | 0.55 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col3 | 44 | 0.09 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col3 | 45 | 0.09 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |

| | | | | | | | | | | | |
|------|----|-------|-------|-------|------|-------|------|------|------|------|------|
| Col3 | 46 | 0.78 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col3 | 47 | 0.34 | 8.29 | -0.31 | 3.32 | 1.20 | 2.65 | 0.04 | 0.09 | 0.49 | 0.00 |
| Col3 | 48 | 0.51 | 8.29 | -0.31 | 3.32 | 1.20 | 2.65 | 0.06 | 0.09 | 0.51 | 0.00 |
| Col3 | 49 | 0.14 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col3 | 50 | 0.14 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col3 | 51 | 0.09 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col3 | 52 | 0.09 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col4 | 1 | 0.94 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.11 | 0.00 | 0.11 | 0.00 |
| Col4 | 2 | 0.14 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col4 | 3 | 0.68 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col4 | 4 | 0.68 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col4 | 5 | 0.74 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col4 | 6 | 0.55 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col4 | 7 | 0.55 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col4 | 8 | -0.43 | 21.18 | 0.38 | 3.32 | -1.49 | 2.65 | 0.02 | 0.12 | 0.54 | 0.00 |
| Col4 | 9 | -0.19 | 21.18 | 0.38 | 3.32 | -1.49 | 2.65 | 0.01 | 0.12 | 0.55 | 0.00 |
| Col4 | 10 | -0.43 | 21.18 | -0.42 | 3.32 | 1.64 | 2.65 | 0.02 | 0.13 | 0.60 | 0.00 |
| Col4 | 11 | -0.19 | 21.18 | -0.42 | 3.32 | 1.64 | 2.65 | 0.01 | 0.13 | 0.61 | 0.00 |
| Col4 | 12 | -0.43 | 21.18 | -0.42 | 3.32 | 1.64 | 2.65 | 0.02 | 0.13 | 0.60 | 0.00 |
| Col4 | 13 | -0.19 | 21.18 | -0.42 | 3.32 | 1.64 | 2.65 | 0.01 | 0.13 | 0.61 | 0.00 |
| Col4 | 14 | -0.26 | 21.18 | -0.42 | 3.32 | 1.64 | 2.65 | 0.01 | 0.13 | 0.61 | 0.00 |
| Col4 | 15 | -0.03 | 21.18 | -0.42 | 3.32 | 1.64 | 2.65 | 0.00 | 0.13 | 0.62 | 0.00 |
| Col4 | 16 | 0.46 | 8.20 | -0.32 | 3.32 | 1.23 | 2.65 | 0.06 | 0.10 | 0.52 | 0.00 |
| Col4 | 17 | 0.63 | 8.20 | -0.32 | 3.32 | 1.23 | 2.65 | 0.08 | 0.10 | 0.54 | 0.00 |
| Col4 | 18 | 0.33 | 8.20 | -0.32 | 3.32 | 1.23 | 2.65 | 0.04 | 0.10 | 0.51 | 0.00 |
| Col4 | 19 | 0.51 | 8.20 | -0.32 | 3.32 | 1.23 | 2.65 | 0.06 | 0.10 | 0.53 | 0.00 |
| Col4 | 20 | 0.26 | 8.20 | -0.32 | 3.32 | 1.23 | 2.65 | 0.03 | 0.10 | 0.50 | 0.00 |
| Col4 | 21 | 0.43 | 8.20 | -0.32 | 3.32 | 1.23 | 2.65 | 0.05 | 0.10 | 0.52 | 0.00 |
| Col4 | 22 | 0.13 | 8.20 | -0.32 | 3.32 | 1.23 | 2.65 | 0.02 | 0.10 | 0.48 | 0.00 |
| Col4 | 23 | 0.31 | 8.20 | -0.32 | 3.32 | 1.23 | 2.65 | 0.04 | 0.10 | 0.50 | 0.00 |
| Col4 | 24 | 0.26 | 8.20 | -0.32 | 3.32 | 1.23 | 2.65 | 0.03 | 0.10 | 0.50 | 0.00 |
| Col4 | 25 | 0.43 | 8.20 | -0.32 | 3.32 | 1.23 | 2.65 | 0.05 | 0.10 | 0.52 | 0.00 |
| Col4 | 26 | 0.13 | 8.20 | -0.32 | 3.32 | 1.23 | 2.65 | 0.02 | 0.10 | 0.48 | 0.00 |
| Col4 | 27 | 0.31 | 8.20 | -0.32 | 3.32 | 1.23 | 2.65 | 0.04 | 0.10 | 0.50 | 0.00 |
| Col4 | 28 | -0.46 | 21.18 | 0.38 | 3.32 | -1.49 | 2.65 | 0.02 | 0.12 | 0.54 | 0.00 |
| Col4 | 29 | -0.22 | 21.18 | 0.38 | 3.32 | -1.49 | 2.65 | 0.01 | 0.12 | 0.55 | 0.00 |
| Col4 | 30 | -0.46 | 21.18 | -0.42 | 3.32 | 1.64 | 2.65 | 0.02 | 0.13 | 0.60 | 0.00 |
| Col4 | 31 | -0.22 | 21.18 | -0.42 | 3.32 | 1.64 | 2.65 | 0.01 | 0.13 | 0.61 | 0.00 |
| Col4 | 32 | -0.46 | 21.18 | -0.42 | 3.32 | 1.64 | 2.65 | 0.02 | 0.13 | 0.60 | 0.00 |
| Col4 | 33 | -0.22 | 21.18 | -0.42 | 3.32 | 1.64 | 2.65 | 0.01 | 0.13 | 0.61 | 0.00 |
| Col4 | 34 | -0.29 | 21.18 | -0.42 | 3.32 | 1.64 | 2.65 | 0.01 | 0.13 | 0.61 | 0.00 |
| Col4 | 35 | -0.06 | 21.18 | -0.42 | 3.32 | 1.64 | 2.65 | 0.00 | 0.13 | 0.62 | 0.00 |
| Col4 | 36 | 0.15 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col4 | 37 | 0.15 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col4 | 38 | 0.75 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col4 | 39 | 0.75 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col4 | 40 | 0.55 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col4 | 41 | 0.55 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col4 | 42 | 0.55 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col4 | 43 | 0.55 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col4 | 44 | 0.09 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col4 | 45 | 0.09 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col4 | 46 | 0.78 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col4 | 47 | 0.34 | 8.20 | -0.32 | 3.32 | 1.23 | 2.65 | 0.04 | 0.10 | 0.51 | 0.00 |
| Col4 | 48 | 0.51 | 8.20 | -0.32 | 3.32 | 1.23 | 2.65 | 0.06 | 0.10 | 0.53 | 0.00 |
| Col4 | 49 | 0.14 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col4 | 50 | 0.14 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col4 | 51 | 0.09 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col4 | 52 | 0.09 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col5 | 1 | 0.94 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.12 | 0.00 | 0.12 | 0.00 |
| Col5 | 2 | 0.14 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col5 | 3 | 0.68 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col5 | 4 | 0.68 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col5 | 5 | 0.74 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col5 | 6 | 0.55 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |

| | | | | | | | | | | | |
|------|----|-------|-------|-------|------|-------|------|------|------|------|------|
| Col5 | 7 | 0.55 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col5 | 8 | -0.42 | 21.18 | 0.39 | 3.32 | -1.53 | 2.65 | 0.02 | 0.12 | 0.56 | 0.00 |
| Col5 | 9 | -0.19 | 21.18 | 0.39 | 3.32 | -1.53 | 2.65 | 0.01 | 0.12 | 0.57 | 0.00 |
| Col5 | 10 | -0.42 | 21.18 | -0.43 | 3.32 | 1.68 | 2.65 | 0.02 | 0.13 | 0.62 | 0.00 |
| Col5 | 11 | -0.19 | 21.18 | -0.43 | 3.32 | 1.68 | 2.65 | 0.01 | 0.13 | 0.63 | 0.00 |
| Col5 | 12 | -0.42 | 21.18 | -0.43 | 3.32 | 1.68 | 2.65 | 0.02 | 0.13 | 0.62 | 0.00 |
| Col5 | 13 | -0.19 | 21.18 | -0.43 | 3.32 | 1.68 | 2.65 | 0.01 | 0.13 | 0.63 | 0.00 |
| Col5 | 14 | -0.26 | 21.18 | -0.43 | 3.32 | 1.68 | 2.65 | 0.01 | 0.13 | 0.62 | 0.00 |
| Col5 | 15 | -0.03 | 21.18 | -0.43 | 3.32 | 1.68 | 2.65 | 0.00 | 0.13 | 0.64 | 0.00 |
| Col5 | 16 | 0.46 | 8.12 | -0.32 | 3.32 | 1.26 | 2.65 | 0.06 | 0.10 | 0.53 | 0.00 |
| Col5 | 17 | 0.63 | 8.12 | -0.32 | 3.32 | 1.26 | 2.65 | 0.08 | 0.10 | 0.56 | 0.00 |
| Col5 | 18 | 0.33 | 8.12 | -0.32 | 3.32 | 1.26 | 2.65 | 0.04 | 0.10 | 0.52 | 0.00 |
| Col5 | 19 | 0.51 | 8.12 | -0.32 | 3.32 | 1.26 | 2.65 | 0.06 | 0.10 | 0.54 | 0.00 |
| Col5 | 20 | 0.26 | 8.12 | -0.32 | 3.32 | 1.26 | 2.65 | 0.03 | 0.10 | 0.51 | 0.00 |
| Col5 | 21 | 0.43 | 8.12 | -0.32 | 3.32 | 1.26 | 2.65 | 0.05 | 0.10 | 0.53 | 0.00 |
| Col5 | 22 | 0.13 | 8.12 | -0.32 | 3.32 | 1.26 | 2.65 | 0.02 | 0.10 | 0.49 | 0.00 |
| Col5 | 23 | 0.31 | 8.12 | -0.32 | 3.32 | 1.26 | 2.65 | 0.04 | 0.10 | 0.52 | 0.00 |
| Col5 | 24 | 0.26 | 8.12 | -0.32 | 3.32 | 1.26 | 2.65 | 0.03 | 0.10 | 0.51 | 0.00 |
| Col5 | 25 | 0.43 | 8.12 | -0.32 | 3.32 | 1.26 | 2.65 | 0.05 | 0.10 | 0.53 | 0.00 |
| Col5 | 26 | 0.13 | 8.12 | -0.32 | 3.32 | 1.26 | 2.65 | 0.02 | 0.10 | 0.49 | 0.00 |
| Col5 | 27 | 0.31 | 8.12 | -0.32 | 3.32 | 1.26 | 2.65 | 0.04 | 0.10 | 0.52 | 0.00 |
| Col5 | 28 | -0.46 | 21.18 | 0.39 | 3.32 | -1.53 | 2.65 | 0.02 | 0.12 | 0.56 | 0.00 |
| Col5 | 29 | -0.22 | 21.18 | 0.39 | 3.32 | -1.53 | 2.65 | 0.01 | 0.12 | 0.57 | 0.00 |
| Col5 | 30 | -0.46 | 21.18 | -0.43 | 3.32 | 1.68 | 2.65 | 0.02 | 0.13 | 0.61 | 0.00 |
| Col5 | 31 | -0.22 | 21.18 | -0.43 | 3.32 | 1.68 | 2.65 | 0.01 | 0.13 | 0.63 | 0.00 |
| Col5 | 32 | -0.46 | 21.18 | -0.43 | 3.32 | 1.68 | 2.65 | 0.02 | 0.13 | 0.61 | 0.00 |
| Col5 | 33 | -0.22 | 21.18 | -0.43 | 3.32 | 1.68 | 2.65 | 0.01 | 0.13 | 0.63 | 0.00 |
| Col5 | 34 | -0.29 | 21.18 | -0.43 | 3.32 | 1.68 | 2.65 | 0.01 | 0.13 | 0.62 | 0.00 |
| Col5 | 35 | -0.06 | 21.18 | -0.43 | 3.32 | 1.68 | 2.65 | 0.00 | 0.13 | 0.63 | 0.00 |
| Col5 | 36 | 0.15 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col5 | 37 | 0.15 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col5 | 38 | 0.75 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col5 | 39 | 0.75 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col5 | 40 | 0.55 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col5 | 41 | 0.55 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col5 | 42 | 0.55 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col5 | 43 | 0.55 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col5 | 44 | 0.09 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col5 | 45 | 0.09 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col5 | 46 | 0.78 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col5 | 47 | 0.34 | 8.12 | -0.32 | 3.32 | 1.26 | 2.65 | 0.04 | 0.10 | 0.52 | 0.00 |
| Col5 | 48 | 0.51 | 8.12 | -0.32 | 3.32 | 1.26 | 2.65 | 0.06 | 0.10 | 0.54 | 0.00 |
| Col5 | 49 | 0.14 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col5 | 50 | 0.14 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col5 | 51 | 0.09 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col5 | 52 | 0.09 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col6 | 1 | 0.94 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.12 | 0.00 | 0.12 | 0.00 |
| Col6 | 2 | 0.14 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col6 | 3 | 0.68 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col6 | 4 | 0.68 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col6 | 5 | 0.74 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col6 | 6 | 0.55 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col6 | 7 | 0.55 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col6 | 8 | -0.42 | 21.18 | 0.40 | 3.32 | -1.57 | 2.65 | 0.02 | 0.12 | 0.57 | 0.00 |
| Col6 | 9 | -0.19 | 21.18 | 0.40 | 3.32 | -1.57 | 2.65 | 0.01 | 0.12 | 0.58 | 0.00 |
| Col6 | 10 | -0.42 | 21.18 | -0.44 | 3.32 | 1.73 | 2.65 | 0.02 | 0.13 | 0.63 | 0.00 |
| Col6 | 11 | -0.19 | 21.18 | -0.44 | 3.32 | 1.73 | 2.65 | 0.01 | 0.13 | 0.64 | 0.00 |
| Col6 | 12 | -0.42 | 21.18 | -0.44 | 3.32 | 1.73 | 2.65 | 0.02 | 0.13 | 0.63 | 0.00 |
| Col6 | 13 | -0.19 | 21.18 | -0.44 | 3.32 | 1.73 | 2.65 | 0.01 | 0.13 | 0.64 | 0.00 |
| Col6 | 14 | -0.26 | 21.18 | -0.44 | 3.32 | 1.73 | 2.65 | 0.01 | 0.13 | 0.64 | 0.00 |
| Col6 | 15 | -0.03 | 21.18 | -0.44 | 3.32 | 1.73 | 2.65 | 0.00 | 0.13 | 0.65 | 0.00 |
| Col6 | 16 | 0.46 | 8.03 | -0.33 | 3.32 | 1.30 | 2.65 | 0.06 | 0.10 | 0.55 | 0.00 |
| Col6 | 17 | 0.63 | 8.03 | -0.33 | 3.32 | 1.30 | 2.65 | 0.08 | 0.10 | 0.57 | 0.00 |
| Col6 | 18 | 0.33 | 8.03 | -0.33 | 3.32 | 1.30 | 2.65 | 0.04 | 0.10 | 0.53 | 0.00 |
| Col6 | 19 | 0.51 | 8.03 | -0.33 | 3.32 | 1.30 | 2.65 | 0.06 | 0.10 | 0.55 | 0.00 |

| | | | | | | | | | | | |
|------|----|-------|-------|-------|------|-------|------|------|------|------|------|
| Col6 | 20 | 0.26 | 8.03 | -0.33 | 3.32 | 1.30 | 2.65 | 0.03 | 0.10 | 0.52 | 0.00 |
| Col6 | 21 | 0.43 | 8.03 | -0.33 | 3.32 | 1.30 | 2.65 | 0.05 | 0.10 | 0.54 | 0.00 |
| Col6 | 22 | 0.13 | 8.03 | -0.33 | 3.32 | 1.30 | 2.65 | 0.02 | 0.10 | 0.51 | 0.00 |
| Col6 | 23 | 0.31 | 8.03 | -0.33 | 3.32 | 1.30 | 2.65 | 0.04 | 0.10 | 0.53 | 0.00 |
| Col6 | 24 | 0.26 | 8.03 | -0.33 | 3.32 | 1.30 | 2.65 | 0.03 | 0.10 | 0.52 | 0.00 |
| Col6 | 25 | 0.43 | 8.03 | -0.33 | 3.32 | 1.30 | 2.65 | 0.05 | 0.10 | 0.54 | 0.00 |
| Col6 | 26 | 0.13 | 8.03 | -0.33 | 3.32 | 1.30 | 2.65 | 0.02 | 0.10 | 0.51 | 0.00 |
| Col6 | 27 | 0.31 | 8.03 | -0.33 | 3.32 | 1.30 | 2.65 | 0.04 | 0.10 | 0.53 | 0.00 |
| Col6 | 28 | -0.46 | 21.18 | 0.40 | 3.32 | -1.57 | 2.65 | 0.02 | 0.12 | 0.57 | 0.00 |
| Col6 | 29 | -0.22 | 21.18 | 0.40 | 3.32 | -1.57 | 2.65 | 0.01 | 0.12 | 0.58 | 0.00 |
| Col6 | 30 | -0.46 | 21.18 | -0.44 | 3.32 | 1.73 | 2.65 | 0.02 | 0.13 | 0.63 | 0.00 |
| Col6 | 31 | -0.22 | 21.18 | -0.44 | 3.32 | 1.73 | 2.65 | 0.01 | 0.13 | 0.64 | 0.00 |
| Col6 | 32 | -0.46 | 21.18 | -0.44 | 3.32 | 1.73 | 2.65 | 0.02 | 0.13 | 0.63 | 0.00 |
| Col6 | 33 | -0.22 | 21.18 | -0.44 | 3.32 | 1.73 | 2.65 | 0.01 | 0.13 | 0.64 | 0.00 |
| Col6 | 34 | -0.29 | 21.18 | -0.44 | 3.32 | 1.73 | 2.65 | 0.01 | 0.13 | 0.64 | 0.00 |
| Col6 | 35 | -0.06 | 21.18 | -0.44 | 3.32 | 1.73 | 2.65 | 0.00 | 0.13 | 0.65 | 0.00 |
| Col6 | 36 | 0.15 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col6 | 37 | 0.15 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col6 | 38 | 0.75 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col6 | 39 | 0.75 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col6 | 40 | 0.55 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col6 | 41 | 0.55 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col6 | 42 | 0.55 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col6 | 43 | 0.55 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col6 | 44 | 0.09 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col6 | 45 | 0.09 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col6 | 46 | 0.78 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col6 | 47 | 0.34 | 8.03 | -0.33 | 3.32 | 1.30 | 2.65 | 0.04 | 0.10 | 0.53 | 0.00 |
| Col6 | 48 | 0.51 | 8.03 | -0.33 | 3.32 | 1.30 | 2.65 | 0.06 | 0.10 | 0.55 | 0.00 |
| Col6 | 49 | 0.14 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col6 | 50 | 0.14 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col6 | 51 | 0.09 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col6 | 52 | 0.09 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col7 | 1 | 0.94 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.12 | 0.00 | 0.12 | 0.00 |
| Col7 | 2 | 0.14 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col7 | 3 | 0.68 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col7 | 4 | 0.68 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col7 | 5 | 0.74 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col7 | 6 | 0.55 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col7 | 7 | 0.55 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col7 | 8 | -0.42 | 21.18 | 0.40 | 3.32 | -1.61 | 2.65 | 0.02 | 0.12 | 0.59 | 0.00 |
| Col7 | 9 | -0.19 | 21.18 | 0.40 | 3.32 | -1.61 | 2.65 | 0.01 | 0.12 | 0.60 | 0.00 |
| Col7 | 10 | -0.42 | 21.18 | -0.44 | 3.32 | 1.78 | 2.65 | 0.02 | 0.13 | 0.65 | 0.00 |
| Col7 | 11 | -0.19 | 21.18 | -0.44 | 3.32 | 1.78 | 2.65 | 0.01 | 0.13 | 0.66 | 0.00 |
| Col7 | 12 | -0.42 | 21.18 | -0.44 | 3.32 | 1.78 | 2.65 | 0.02 | 0.13 | 0.65 | 0.00 |
| Col7 | 13 | -0.19 | 21.18 | -0.44 | 3.32 | 1.78 | 2.65 | 0.01 | 0.13 | 0.66 | 0.00 |
| Col7 | 14 | -0.26 | 21.18 | -0.44 | 3.32 | 1.78 | 2.65 | 0.01 | 0.13 | 0.66 | 0.00 |
| Col7 | 15 | -0.03 | 21.18 | -0.44 | 3.32 | 1.78 | 2.65 | 0.00 | 0.13 | 0.67 | 0.00 |
| Col7 | 16 | 0.46 | 7.94 | -0.33 | 3.32 | 1.33 | 2.65 | 0.06 | 0.10 | 0.56 | 0.00 |
| Col7 | 17 | 0.63 | 7.94 | -0.33 | 3.32 | 1.33 | 2.65 | 0.08 | 0.10 | 0.58 | 0.00 |
| Col7 | 18 | 0.33 | 7.94 | -0.33 | 3.32 | 1.33 | 2.65 | 0.04 | 0.10 | 0.55 | 0.00 |
| Col7 | 19 | 0.51 | 7.94 | -0.33 | 3.32 | 1.33 | 2.65 | 0.06 | 0.10 | 0.57 | 0.00 |
| Col7 | 20 | 0.26 | 7.94 | -0.33 | 3.32 | 1.33 | 2.65 | 0.03 | 0.10 | 0.54 | 0.00 |
| Col7 | 21 | 0.43 | 7.94 | -0.33 | 3.32 | 1.33 | 2.65 | 0.05 | 0.10 | 0.56 | 0.00 |
| Col7 | 22 | 0.14 | 7.94 | -0.33 | 3.32 | 1.33 | 2.65 | 0.02 | 0.10 | 0.52 | 0.00 |
| Col7 | 23 | 0.31 | 7.94 | -0.33 | 3.32 | 1.33 | 2.65 | 0.04 | 0.10 | 0.54 | 0.00 |
| Col7 | 24 | 0.26 | 7.94 | -0.33 | 3.32 | 1.33 | 2.65 | 0.03 | 0.10 | 0.54 | 0.00 |
| Col7 | 25 | 0.43 | 7.94 | -0.33 | 3.32 | 1.33 | 2.65 | 0.05 | 0.10 | 0.56 | 0.00 |
| Col7 | 26 | 0.14 | 7.94 | -0.33 | 3.32 | 1.33 | 2.65 | 0.02 | 0.10 | 0.52 | 0.00 |
| Col7 | 27 | 0.31 | 7.94 | -0.33 | 3.32 | 1.33 | 2.65 | 0.04 | 0.10 | 0.54 | 0.00 |
| Col7 | 28 | -0.46 | 21.18 | 0.40 | 3.32 | -1.61 | 2.65 | 0.02 | 0.12 | 0.59 | 0.00 |
| Col7 | 29 | -0.22 | 21.18 | 0.40 | 3.32 | -1.61 | 2.65 | 0.01 | 0.12 | 0.60 | 0.00 |
| Col7 | 30 | -0.46 | 21.18 | -0.44 | 3.32 | 1.78 | 2.65 | 0.02 | 0.13 | 0.65 | 0.00 |
| Col7 | 31 | -0.22 | 21.18 | -0.44 | 3.32 | 1.78 | 2.65 | 0.01 | 0.13 | 0.66 | 0.00 |
| Col7 | 32 | -0.46 | 21.18 | -0.44 | 3.32 | 1.78 | 2.65 | 0.02 | 0.13 | 0.65 | 0.00 |

| | | | | | | | | | | | |
|------|----|-------|-------|-------|------|-------|------|------|------|------|------|
| Col7 | 33 | -0.22 | 21.18 | -0.44 | 3.32 | 1.78 | 2.65 | 0.01 | 0.13 | 0.66 | 0.00 |
| Col7 | 34 | -0.29 | 21.18 | -0.44 | 3.32 | 1.78 | 2.65 | 0.01 | 0.13 | 0.66 | 0.00 |
| Col7 | 35 | -0.06 | 21.18 | -0.44 | 3.32 | 1.78 | 2.65 | 0.00 | 0.13 | 0.67 | 0.00 |
| Col7 | 36 | 0.15 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col7 | 37 | 0.15 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col7 | 38 | 0.75 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col7 | 39 | 0.75 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col7 | 40 | 0.55 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col7 | 41 | 0.55 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col7 | 42 | 0.55 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col7 | 43 | 0.55 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col7 | 44 | 0.09 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col7 | 45 | 0.09 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col7 | 46 | 0.79 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col7 | 47 | 0.34 | 7.94 | -0.33 | 3.32 | 1.33 | 2.65 | 0.04 | 0.10 | 0.55 | 0.00 |
| Col7 | 48 | 0.51 | 7.94 | -0.33 | 3.32 | 1.33 | 2.65 | 0.06 | 0.10 | 0.57 | 0.00 |
| Col7 | 49 | 0.14 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col7 | 50 | 0.14 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col7 | 51 | 0.09 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col7 | 52 | 0.09 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col8 | 1 | 0.94 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.12 | 0.00 | 0.12 | 0.00 |
| Col8 | 2 | 0.14 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col8 | 3 | 0.68 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col8 | 4 | 0.68 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col8 | 5 | 0.74 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col8 | 6 | 0.55 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col8 | 7 | 0.55 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col8 | 8 | -0.42 | 21.18 | 0.41 | 3.32 | -1.65 | 2.65 | 0.02 | 0.12 | 0.60 | 0.00 |
| Col8 | 9 | -0.19 | 21.18 | 0.41 | 3.32 | -1.65 | 2.65 | 0.01 | 0.12 | 0.62 | 0.00 |
| Col8 | 10 | -0.42 | 21.18 | -0.45 | 3.32 | 1.82 | 2.65 | 0.02 | 0.13 | 0.67 | 0.00 |
| Col8 | 11 | -0.19 | 21.18 | -0.45 | 3.32 | 1.82 | 2.65 | 0.01 | 0.13 | 0.68 | 0.00 |
| Col8 | 12 | -0.42 | 21.18 | -0.45 | 3.32 | 1.82 | 2.65 | 0.02 | 0.13 | 0.67 | 0.00 |
| Col8 | 13 | -0.19 | 21.18 | -0.45 | 3.32 | 1.82 | 2.65 | 0.01 | 0.13 | 0.68 | 0.00 |
| Col8 | 14 | -0.26 | 21.18 | -0.45 | 3.32 | 1.82 | 2.65 | 0.01 | 0.13 | 0.68 | 0.00 |
| Col8 | 15 | -0.03 | 21.18 | -0.45 | 3.32 | 1.82 | 2.65 | 0.00 | 0.13 | 0.69 | 0.00 |
| Col8 | 16 | 0.46 | 7.85 | -0.34 | 3.32 | 1.37 | 2.65 | 0.06 | 0.10 | 0.57 | 0.00 |
| Col8 | 17 | 0.63 | 7.85 | -0.34 | 3.32 | 1.37 | 2.65 | 0.08 | 0.10 | 0.60 | 0.00 |
| Col8 | 18 | 0.33 | 7.85 | -0.34 | 3.32 | 1.37 | 2.65 | 0.04 | 0.10 | 0.56 | 0.00 |
| Col8 | 19 | 0.51 | 7.85 | -0.34 | 3.32 | 1.37 | 2.65 | 0.06 | 0.10 | 0.58 | 0.00 |
| Col8 | 20 | 0.26 | 7.85 | -0.34 | 3.32 | 1.37 | 2.65 | 0.03 | 0.10 | 0.55 | 0.00 |
| Col8 | 21 | 0.43 | 7.85 | -0.34 | 3.32 | 1.37 | 2.65 | 0.06 | 0.10 | 0.57 | 0.00 |
| Col8 | 22 | 0.14 | 7.85 | -0.34 | 3.32 | 1.37 | 2.65 | 0.02 | 0.10 | 0.53 | 0.00 |
| Col8 | 23 | 0.31 | 7.85 | -0.34 | 3.32 | 1.37 | 2.65 | 0.04 | 0.10 | 0.56 | 0.00 |
| Col8 | 24 | 0.26 | 7.85 | -0.34 | 3.32 | 1.37 | 2.65 | 0.03 | 0.10 | 0.55 | 0.00 |
| Col8 | 25 | 0.43 | 7.85 | -0.34 | 3.32 | 1.37 | 2.65 | 0.06 | 0.10 | 0.57 | 0.00 |
| Col8 | 26 | 0.14 | 7.85 | -0.34 | 3.32 | 1.37 | 2.65 | 0.02 | 0.10 | 0.53 | 0.00 |
| Col8 | 27 | 0.31 | 7.85 | -0.34 | 3.32 | 1.37 | 2.65 | 0.04 | 0.10 | 0.56 | 0.00 |
| Col8 | 28 | -0.46 | 21.18 | 0.41 | 3.32 | -1.65 | 2.65 | 0.02 | 0.12 | 0.60 | 0.00 |
| Col8 | 29 | -0.22 | 21.18 | 0.41 | 3.32 | -1.65 | 2.65 | 0.01 | 0.12 | 0.61 | 0.00 |
| Col8 | 30 | -0.46 | 21.18 | -0.45 | 3.32 | 1.82 | 2.65 | 0.02 | 0.13 | 0.67 | 0.00 |
| Col8 | 31 | -0.22 | 21.18 | -0.45 | 3.32 | 1.82 | 2.65 | 0.01 | 0.13 | 0.68 | 0.00 |
| Col8 | 32 | -0.46 | 21.18 | -0.45 | 3.32 | 1.82 | 2.65 | 0.02 | 0.13 | 0.67 | 0.00 |
| Col8 | 33 | -0.22 | 21.18 | -0.45 | 3.32 | 1.82 | 2.65 | 0.01 | 0.13 | 0.68 | 0.00 |
| Col8 | 34 | -0.29 | 21.18 | -0.45 | 3.32 | 1.82 | 2.65 | 0.01 | 0.13 | 0.67 | 0.00 |
| Col8 | 35 | -0.06 | 21.18 | -0.45 | 3.32 | 1.82 | 2.65 | 0.00 | 0.13 | 0.69 | 0.00 |
| Col8 | 36 | 0.15 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col8 | 37 | 0.15 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col8 | 38 | 0.75 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col8 | 39 | 0.75 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col8 | 40 | 0.55 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col8 | 41 | 0.55 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col8 | 42 | 0.55 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col8 | 43 | 0.55 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col8 | 44 | 0.09 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col8 | 45 | 0.09 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |

| | | | | | | | | | | | |
|-------|----|-------|-------|-------|------|-------|------|------|------|------|------|
| Col8 | 46 | 0.79 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col8 | 47 | 0.34 | 7.85 | -0.34 | 3.32 | 1.37 | 2.65 | 0.04 | 0.10 | 0.56 | 0.00 |
| Col8 | 48 | 0.51 | 7.85 | -0.34 | 3.32 | 1.37 | 2.65 | 0.07 | 0.10 | 0.58 | 0.00 |
| Col8 | 49 | 0.15 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col8 | 50 | 0.14 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col8 | 51 | 0.09 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col8 | 52 | 0.09 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col9 | 1 | 0.95 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.12 | 0.00 | 0.12 | 0.00 |
| Col9 | 2 | 0.15 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col9 | 3 | 0.68 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col9 | 4 | 0.68 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col9 | 5 | 0.75 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col9 | 6 | 0.55 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col9 | 7 | 0.55 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col9 | 8 | -0.42 | 21.18 | 0.41 | 3.32 | -1.69 | 2.65 | 0.02 | 0.12 | 0.62 | 0.00 |
| Col9 | 9 | -0.19 | 21.18 | 0.41 | 3.32 | -1.69 | 2.65 | 0.01 | 0.12 | 0.63 | 0.00 |
| Col9 | 10 | -0.42 | 21.18 | -0.45 | 3.32 | 1.87 | 2.65 | 0.02 | 0.14 | 0.69 | 0.00 |
| Col9 | 11 | -0.19 | 21.18 | -0.45 | 3.32 | 1.87 | 2.65 | 0.01 | 0.14 | 0.70 | 0.00 |
| Col9 | 12 | -0.42 | 21.18 | -0.45 | 3.32 | 1.87 | 2.65 | 0.02 | 0.14 | 0.69 | 0.00 |
| Col9 | 13 | -0.19 | 21.18 | -0.45 | 3.32 | 1.87 | 2.65 | 0.01 | 0.14 | 0.70 | 0.00 |
| Col9 | 14 | -0.26 | 21.18 | -0.45 | 3.32 | 1.87 | 2.65 | 0.01 | 0.14 | 0.69 | 0.00 |
| Col9 | 15 | -0.03 | 21.18 | -0.45 | 3.32 | 1.87 | 2.65 | 0.00 | 0.14 | 0.70 | 0.00 |
| Col9 | 16 | 0.46 | 7.76 | -0.34 | 3.32 | 1.40 | 2.65 | 0.06 | 0.10 | 0.59 | 0.00 |
| Col9 | 17 | 0.63 | 7.76 | -0.34 | 3.32 | 1.40 | 2.65 | 0.08 | 0.10 | 0.61 | 0.00 |
| Col9 | 18 | 0.33 | 7.76 | -0.34 | 3.32 | 1.40 | 2.65 | 0.04 | 0.10 | 0.57 | 0.00 |
| Col9 | 19 | 0.51 | 7.76 | -0.34 | 3.32 | 1.40 | 2.65 | 0.07 | 0.10 | 0.60 | 0.00 |
| Col9 | 20 | 0.26 | 7.76 | -0.34 | 3.32 | 1.40 | 2.65 | 0.03 | 0.10 | 0.56 | 0.00 |
| Col9 | 21 | 0.43 | 7.76 | -0.34 | 3.32 | 1.40 | 2.65 | 0.06 | 0.10 | 0.59 | 0.00 |
| Col9 | 22 | 0.14 | 7.76 | -0.34 | 3.32 | 1.40 | 2.65 | 0.02 | 0.10 | 0.55 | 0.00 |
| Col9 | 23 | 0.31 | 7.76 | -0.34 | 3.32 | 1.40 | 2.65 | 0.04 | 0.10 | 0.57 | 0.00 |
| Col9 | 24 | 0.26 | 7.76 | -0.34 | 3.32 | 1.40 | 2.65 | 0.03 | 0.10 | 0.56 | 0.00 |
| Col9 | 25 | 0.43 | 7.76 | -0.34 | 3.32 | 1.40 | 2.65 | 0.06 | 0.10 | 0.59 | 0.00 |
| Col9 | 26 | 0.14 | 7.76 | -0.34 | 3.32 | 1.40 | 2.65 | 0.02 | 0.10 | 0.55 | 0.00 |
| Col9 | 27 | 0.31 | 7.76 | -0.34 | 3.32 | 1.40 | 2.65 | 0.04 | 0.10 | 0.57 | 0.00 |
| Col9 | 28 | -0.45 | 21.18 | 0.41 | 3.32 | -1.69 | 2.65 | 0.02 | 0.12 | 0.62 | 0.00 |
| Col9 | 29 | -0.22 | 21.18 | 0.41 | 3.32 | -1.69 | 2.65 | 0.01 | 0.12 | 0.63 | 0.00 |
| Col9 | 30 | -0.45 | 21.18 | -0.45 | 3.32 | 1.87 | 2.65 | 0.02 | 0.14 | 0.68 | 0.00 |
| Col9 | 31 | -0.22 | 21.18 | -0.45 | 3.32 | 1.87 | 2.65 | 0.01 | 0.14 | 0.70 | 0.00 |
| Col9 | 32 | -0.45 | 21.18 | -0.45 | 3.32 | 1.87 | 2.65 | 0.02 | 0.14 | 0.68 | 0.00 |
| Col9 | 33 | -0.22 | 21.18 | -0.45 | 3.32 | 1.87 | 2.65 | 0.01 | 0.14 | 0.70 | 0.00 |
| Col9 | 34 | -0.29 | 21.18 | -0.45 | 3.32 | 1.87 | 2.65 | 0.01 | 0.14 | 0.69 | 0.00 |
| Col9 | 35 | -0.06 | 21.18 | -0.45 | 3.32 | 1.87 | 2.65 | 0.00 | 0.14 | 0.70 | 0.00 |
| Col9 | 36 | 0.15 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col9 | 37 | 0.15 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col9 | 38 | 0.75 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col9 | 39 | 0.75 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col9 | 40 | 0.55 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col9 | 41 | 0.55 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col9 | 42 | 0.55 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col9 | 43 | 0.55 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col9 | 44 | 0.09 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col9 | 45 | 0.09 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col9 | 46 | 0.79 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col9 | 47 | 0.34 | 7.76 | -0.34 | 3.32 | 1.40 | 2.65 | 0.04 | 0.10 | 0.57 | 0.00 |
| Col9 | 48 | 0.51 | 7.76 | -0.34 | 3.32 | 1.40 | 2.65 | 0.07 | 0.10 | 0.60 | 0.00 |
| Col9 | 49 | 0.15 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col9 | 50 | 0.15 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col9 | 51 | 0.09 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col9 | 52 | 0.09 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col10 | 1 | 0.95 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.12 | 0.00 | 0.12 | 0.00 |
| Col10 | 2 | 0.15 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col10 | 3 | 0.68 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col10 | 4 | 0.68 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col10 | 5 | 0.75 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col10 | 6 | 0.55 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |

| | | | | | | | | | | | |
|-------|----|-------|-------|-------|------|-------|------|------|------|------|------|
| Col10 | 7 | 0.55 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col10 | 8 | -0.42 | 21.18 | 0.42 | 3.32 | -1.74 | 2.65 | 0.02 | 0.13 | 0.64 | 0.00 |
| Col10 | 9 | -0.19 | 21.18 | 0.42 | 3.32 | -1.74 | 2.65 | 0.01 | 0.13 | 0.65 | 0.00 |
| Col10 | 10 | -0.42 | 21.18 | -0.47 | 3.32 | 1.98 | 2.65 | 0.02 | 0.14 | 0.73 | 0.00 |
| Col10 | 11 | -0.19 | 21.18 | -0.47 | 3.32 | 1.98 | 2.65 | 0.01 | 0.14 | 0.74 | 0.00 |
| Col10 | 12 | -0.42 | 21.18 | -0.47 | 3.32 | 1.98 | 2.65 | 0.02 | 0.14 | 0.73 | 0.00 |
| Col10 | 13 | -0.19 | 21.18 | -0.47 | 3.32 | 1.98 | 2.65 | 0.01 | 0.14 | 0.74 | 0.00 |
| Col10 | 14 | -0.26 | 21.18 | -0.47 | 3.32 | 1.98 | 2.65 | 0.01 | 0.14 | 0.74 | 0.00 |
| Col10 | 15 | -0.02 | 21.18 | -0.47 | 3.32 | 1.98 | 2.65 | 0.00 | 0.14 | 0.75 | 0.00 |
| Col10 | 16 | 0.46 | 7.67 | -0.36 | 3.32 | 1.49 | 2.65 | 0.06 | 0.11 | 0.62 | 0.00 |
| Col10 | 17 | 0.63 | 7.67 | -0.36 | 3.32 | 1.49 | 2.65 | 0.08 | 0.11 | 0.64 | 0.00 |
| Col10 | 18 | 0.33 | 7.67 | -0.36 | 3.32 | 1.49 | 2.65 | 0.04 | 0.11 | 0.61 | 0.00 |
| Col10 | 19 | 0.51 | 7.67 | -0.36 | 3.32 | 1.49 | 2.65 | 0.07 | 0.11 | 0.63 | 0.00 |
| Col10 | 20 | 0.26 | 7.67 | -0.36 | 3.32 | 1.49 | 2.65 | 0.03 | 0.11 | 0.60 | 0.00 |
| Col10 | 21 | 0.43 | 7.67 | -0.36 | 3.32 | 1.49 | 2.65 | 0.06 | 0.11 | 0.62 | 0.00 |
| Col10 | 22 | 0.14 | 7.67 | -0.36 | 3.32 | 1.49 | 2.65 | 0.02 | 0.11 | 0.58 | 0.00 |
| Col10 | 23 | 0.31 | 7.67 | -0.36 | 3.32 | 1.49 | 2.65 | 0.04 | 0.11 | 0.60 | 0.00 |
| Col10 | 24 | 0.26 | 7.67 | -0.36 | 3.32 | 1.49 | 2.65 | 0.03 | 0.11 | 0.60 | 0.00 |
| Col10 | 25 | 0.43 | 7.67 | -0.36 | 3.32 | 1.49 | 2.65 | 0.06 | 0.11 | 0.62 | 0.00 |
| Col10 | 26 | 0.14 | 7.67 | -0.36 | 3.32 | 1.49 | 2.65 | 0.02 | 0.11 | 0.58 | 0.00 |
| Col10 | 27 | 0.31 | 7.67 | -0.36 | 3.32 | 1.49 | 2.65 | 0.04 | 0.11 | 0.60 | 0.00 |
| Col10 | 28 | -0.45 | 21.18 | 0.42 | 3.32 | -1.74 | 2.65 | 0.02 | 0.13 | 0.64 | 0.00 |
| Col10 | 29 | -0.22 | 21.18 | 0.42 | 3.32 | -1.74 | 2.65 | 0.01 | 0.13 | 0.65 | 0.00 |
| Col10 | 30 | -0.45 | 21.18 | -0.47 | 3.32 | 1.98 | 2.65 | 0.02 | 0.14 | 0.73 | 0.00 |
| Col10 | 31 | -0.22 | 21.18 | -0.47 | 3.32 | 1.98 | 2.65 | 0.01 | 0.14 | 0.74 | 0.00 |
| Col10 | 32 | -0.45 | 21.18 | -0.47 | 3.32 | 1.98 | 2.65 | 0.02 | 0.14 | 0.73 | 0.00 |
| Col10 | 33 | -0.22 | 21.18 | -0.47 | 3.32 | 1.98 | 2.65 | 0.01 | 0.14 | 0.74 | 0.00 |
| Col10 | 34 | -0.29 | 21.18 | -0.47 | 3.32 | 1.98 | 2.65 | 0.01 | 0.14 | 0.74 | 0.00 |
| Col10 | 35 | -0.06 | 21.18 | -0.47 | 3.32 | 1.98 | 2.65 | 0.00 | 0.14 | 0.75 | 0.00 |
| Col10 | 36 | 0.15 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col10 | 37 | 0.15 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col10 | 38 | 0.75 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col10 | 39 | 0.75 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col10 | 40 | 0.55 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col10 | 41 | 0.55 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col10 | 42 | 0.55 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col10 | 43 | 0.55 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col10 | 44 | 0.09 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col10 | 45 | 0.09 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col10 | 46 | 0.79 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col10 | 47 | 0.34 | 7.67 | -0.36 | 3.32 | 1.49 | 2.65 | 0.04 | 0.11 | 0.61 | 0.00 |
| Col10 | 48 | 0.51 | 7.67 | -0.36 | 3.32 | 1.49 | 2.65 | 0.07 | 0.11 | 0.63 | 0.00 |
| Col10 | 49 | 0.15 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col10 | 50 | 0.15 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col10 | 51 | 0.09 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col10 | 52 | 0.09 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |

COLUMN REACTIONS:

| Id | Load | | In_Plane Horz(k) | Out_Plane Horz(k) |
|------|------|----------|----------------------|-----------------------|
| | Id | Vert(k) | | |
| Col2 | 1 | 0.94 | 0.00 | 0.00 |
| Col2 | 2 | 0.14 | 0.00 | 0.00 |
| Col2 | 3 | 0.68 | 0.00 | 0.00 |
| Col2 | 4 | 0.68 | 0.00 | 0.00 |
| Col2 | 5 | 0.74 | 0.00 | 0.00 |
| Col2 | 6 | 0.54 | 0.00 | 0.00 |
| Col2 | 7 | 0.54 | 0.00 | 0.00 |
| Col2 | 8 | -0.43 | 0.00 | -0.37 |
| Col2 | 9 | -0.19 | 0.00 | -0.37 |
| Col2 | 10 | -0.43 | 0.00 | 0.43 |
| Col2 | 11 | -0.19 | 0.00 | 0.43 |
| Col2 | 12 | -0.43 | 0.00 | 0.43 |
| Col2 | 13 | -0.19 | 0.00 | 0.43 |

| | | | | |
|------|----|-------|------|-------|
| Col2 | 14 | -0.26 | 0.00 | 0.43 |
| Col2 | 15 | -0.03 | 0.00 | 0.43 |
| Col2 | 16 | 0.45 | 0.00 | 0.32 |
| Col2 | 17 | 0.63 | 0.00 | 0.32 |
| Col2 | 18 | 0.33 | 0.00 | 0.32 |
| Col2 | 19 | 0.51 | 0.00 | 0.32 |
| Col2 | 20 | 0.26 | 0.00 | 0.32 |
| Col2 | 21 | 0.43 | 0.00 | 0.32 |
| Col2 | 22 | 0.13 | 0.00 | 0.32 |
| Col2 | 23 | 0.31 | 0.00 | 0.32 |
| Col2 | 24 | 0.26 | 0.00 | 0.32 |
| Col2 | 25 | 0.43 | 0.00 | 0.32 |
| Col2 | 26 | 0.13 | 0.00 | 0.32 |
| Col2 | 27 | 0.31 | 0.00 | 0.32 |
| Col2 | 28 | -0.46 | 0.00 | -0.37 |
| Col2 | 29 | -0.23 | 0.00 | -0.37 |
| Col2 | 30 | -0.46 | 0.00 | 0.43 |
| Col2 | 31 | -0.23 | 0.00 | 0.43 |
| Col2 | 32 | -0.46 | 0.00 | 0.43 |
| Col2 | 33 | -0.23 | 0.00 | 0.43 |
| Col2 | 34 | -0.29 | 0.00 | 0.43 |
| Col2 | 35 | -0.06 | 0.00 | 0.43 |
| Col2 | 36 | 0.15 | 0.00 | 0.00 |
| Col2 | 37 | 0.15 | 0.00 | 0.00 |
| Col2 | 38 | 0.74 | 0.00 | 0.00 |
| Col2 | 39 | 0.74 | 0.00 | 0.00 |
| Col2 | 40 | 0.55 | 0.00 | 0.00 |
| Col2 | 41 | 0.55 | 0.00 | 0.00 |
| Col2 | 42 | 0.55 | 0.00 | 0.00 |
| Col2 | 43 | 0.55 | 0.00 | 0.00 |
| Col2 | 44 | 0.09 | 0.00 | 0.00 |
| Col2 | 45 | 0.09 | 0.00 | 0.00 |
| Col2 | 46 | 0.78 | 0.00 | 0.00 |
| Col2 | 47 | 0.33 | 0.00 | 0.32 |
| Col2 | 48 | 0.51 | 0.00 | 0.32 |
| Col2 | 49 | 0.14 | 0.00 | 0.00 |
| Col2 | 50 | 0.14 | 0.00 | 0.00 |
| Col2 | 51 | 0.09 | 0.00 | 0.00 |
| Col2 | 52 | 0.09 | 0.00 | 0.00 |
| Col3 | 1 | 0.94 | 0.00 | 0.00 |
| Col3 | 2 | 0.14 | 0.00 | 0.00 |
| Col3 | 3 | 0.68 | 0.00 | 0.00 |
| Col3 | 4 | 0.68 | 0.00 | 0.00 |
| Col3 | 5 | 0.74 | 0.00 | 0.00 |
| Col3 | 6 | 0.54 | 0.00 | 0.00 |
| Col3 | 7 | 0.54 | 0.00 | 0.00 |
| Col3 | 8 | -0.43 | 0.00 | -0.38 |
| Col3 | 9 | -0.19 | 0.00 | -0.38 |
| Col3 | 10 | -0.43 | 0.00 | 0.42 |
| Col3 | 11 | -0.19 | 0.00 | 0.42 |
| Col3 | 12 | -0.43 | 0.00 | 0.42 |
| Col3 | 13 | -0.19 | 0.00 | 0.42 |
| Col3 | 14 | -0.26 | 0.00 | 0.42 |
| Col3 | 15 | -0.03 | 0.00 | 0.42 |
| Col3 | 16 | 0.45 | 0.00 | 0.31 |
| Col3 | 17 | 0.63 | 0.00 | 0.31 |
| Col3 | 18 | 0.33 | 0.00 | 0.31 |
| Col3 | 19 | 0.51 | 0.00 | 0.31 |
| Col3 | 20 | 0.26 | 0.00 | 0.31 |
| Col3 | 21 | 0.43 | 0.00 | 0.31 |
| Col3 | 22 | 0.13 | 0.00 | 0.31 |
| Col3 | 23 | 0.31 | 0.00 | 0.31 |
| Col3 | 24 | 0.26 | 0.00 | 0.31 |
| Col3 | 25 | 0.43 | 0.00 | 0.31 |
| Col3 | 26 | 0.13 | 0.00 | 0.31 |

| | | | | |
|------|----|-------|------|-------|
| Col3 | 27 | 0.31 | 0.00 | 0.31 |
| Col3 | 28 | -0.46 | 0.00 | -0.38 |
| Col3 | 29 | -0.22 | 0.00 | -0.38 |
| Col3 | 30 | -0.46 | 0.00 | 0.42 |
| Col3 | 31 | -0.22 | 0.00 | 0.42 |
| Col3 | 32 | -0.46 | 0.00 | 0.42 |
| Col3 | 33 | -0.22 | 0.00 | 0.42 |
| Col3 | 34 | -0.29 | 0.00 | 0.42 |
| Col3 | 35 | -0.06 | 0.00 | 0.42 |
| Col3 | 36 | 0.15 | 0.00 | 0.00 |
| Col3 | 37 | 0.15 | 0.00 | 0.00 |
| Col3 | 38 | 0.74 | 0.00 | 0.00 |
| Col3 | 39 | 0.74 | 0.00 | 0.00 |
| Col3 | 40 | 0.55 | 0.00 | 0.00 |
| Col3 | 41 | 0.55 | 0.00 | 0.00 |
| Col3 | 42 | 0.55 | 0.00 | 0.00 |
| Col3 | 43 | 0.55 | 0.00 | 0.00 |
| Col3 | 44 | 0.09 | 0.00 | 0.00 |
| Col3 | 45 | 0.09 | 0.00 | 0.00 |
| Col3 | 46 | 0.78 | 0.00 | 0.00 |
| Col3 | 47 | 0.34 | 0.00 | 0.31 |
| Col3 | 48 | 0.51 | 0.00 | 0.31 |
| Col3 | 49 | 0.14 | 0.00 | 0.00 |
| Col3 | 50 | 0.14 | 0.00 | 0.00 |
| Col3 | 51 | 0.09 | 0.00 | 0.00 |
| Col3 | 52 | 0.09 | 0.00 | 0.00 |
| Col4 | 1 | 0.94 | 0.00 | 0.00 |
| Col4 | 2 | 0.14 | 0.00 | 0.00 |
| Col4 | 3 | 0.68 | 0.00 | 0.00 |
| Col4 | 4 | 0.68 | 0.00 | 0.00 |
| Col4 | 5 | 0.74 | 0.00 | 0.00 |
| Col4 | 6 | 0.55 | 0.00 | 0.00 |
| Col4 | 7 | 0.55 | 0.00 | 0.00 |
| Col4 | 8 | -0.43 | 0.00 | -0.38 |
| Col4 | 9 | -0.19 | 0.00 | -0.38 |
| Col4 | 10 | -0.43 | 0.00 | 0.42 |
| Col4 | 11 | -0.19 | 0.00 | 0.42 |
| Col4 | 12 | -0.43 | 0.00 | 0.42 |
| Col4 | 13 | -0.19 | 0.00 | 0.42 |
| Col4 | 14 | -0.26 | 0.00 | 0.42 |
| Col4 | 15 | -0.03 | 0.00 | 0.42 |
| Col4 | 16 | 0.46 | 0.00 | 0.32 |
| Col4 | 17 | 0.63 | 0.00 | 0.32 |
| Col4 | 18 | 0.33 | 0.00 | 0.32 |
| Col4 | 19 | 0.51 | 0.00 | 0.32 |
| Col4 | 20 | 0.26 | 0.00 | 0.32 |
| Col4 | 21 | 0.43 | 0.00 | 0.32 |
| Col4 | 22 | 0.13 | 0.00 | 0.32 |
| Col4 | 23 | 0.31 | 0.00 | 0.32 |
| Col4 | 24 | 0.26 | 0.00 | 0.32 |
| Col4 | 25 | 0.43 | 0.00 | 0.32 |
| Col4 | 26 | 0.13 | 0.00 | 0.32 |
| Col4 | 27 | 0.31 | 0.00 | 0.32 |
| Col4 | 28 | -0.46 | 0.00 | -0.38 |
| Col4 | 29 | -0.22 | 0.00 | -0.38 |
| Col4 | 30 | -0.46 | 0.00 | 0.42 |
| Col4 | 31 | -0.22 | 0.00 | 0.42 |
| Col4 | 32 | -0.46 | 0.00 | 0.42 |
| Col4 | 33 | -0.22 | 0.00 | 0.42 |
| Col4 | 34 | -0.29 | 0.00 | 0.42 |
| Col4 | 35 | -0.06 | 0.00 | 0.42 |
| Col4 | 36 | 0.15 | 0.00 | 0.00 |
| Col4 | 37 | 0.15 | 0.00 | 0.00 |
| Col4 | 38 | 0.75 | 0.00 | 0.00 |
| Col4 | 39 | 0.75 | 0.00 | 0.00 |

| | | | | |
|-------|----|-------|------|-------|
| Col14 | 40 | 0.55 | 0.00 | 0.00 |
| Col14 | 41 | 0.55 | 0.00 | 0.00 |
| Col14 | 42 | 0.55 | 0.00 | 0.00 |
| Col14 | 43 | 0.55 | 0.00 | 0.00 |
| Col14 | 44 | 0.09 | 0.00 | 0.00 |
| Col14 | 45 | 0.09 | 0.00 | 0.00 |
| Col14 | 46 | 0.78 | 0.00 | 0.00 |
| Col14 | 47 | 0.34 | 0.00 | 0.32 |
| Col14 | 48 | 0.51 | 0.00 | 0.32 |
| Col14 | 49 | 0.14 | 0.00 | 0.00 |
| Col14 | 50 | 0.14 | 0.00 | 0.00 |
| Col14 | 51 | 0.09 | 0.00 | 0.00 |
| Col14 | 52 | 0.09 | 0.00 | 0.00 |
| Col15 | 1 | 0.94 | 0.00 | 0.00 |
| Col15 | 2 | 0.14 | 0.00 | 0.00 |
| Col15 | 3 | 0.68 | 0.00 | 0.00 |
| Col15 | 4 | 0.68 | 0.00 | 0.00 |
| Col15 | 5 | 0.74 | 0.00 | 0.00 |
| Col15 | 6 | 0.55 | 0.00 | 0.00 |
| Col15 | 7 | 0.55 | 0.00 | 0.00 |
| Col15 | 8 | -0.42 | 0.00 | -0.39 |
| Col15 | 9 | -0.19 | 0.00 | -0.39 |
| Col15 | 10 | -0.42 | 0.00 | 0.43 |
| Col15 | 11 | -0.19 | 0.00 | 0.43 |
| Col15 | 12 | -0.42 | 0.00 | 0.43 |
| Col15 | 13 | -0.19 | 0.00 | 0.43 |
| Col15 | 14 | -0.26 | 0.00 | 0.43 |
| Col15 | 15 | -0.03 | 0.00 | 0.43 |
| Col15 | 16 | 0.46 | 0.00 | 0.32 |
| Col15 | 17 | 0.63 | 0.00 | 0.32 |
| Col15 | 18 | 0.33 | 0.00 | 0.32 |
| Col15 | 19 | 0.51 | 0.00 | 0.32 |
| Col15 | 20 | 0.26 | 0.00 | 0.32 |
| Col15 | 21 | 0.43 | 0.00 | 0.32 |
| Col15 | 22 | 0.13 | 0.00 | 0.32 |
| Col15 | 23 | 0.31 | 0.00 | 0.32 |
| Col15 | 24 | 0.26 | 0.00 | 0.32 |
| Col15 | 25 | 0.43 | 0.00 | 0.32 |
| Col15 | 26 | 0.13 | 0.00 | 0.32 |
| Col15 | 27 | 0.31 | 0.00 | 0.32 |
| Col15 | 28 | -0.46 | 0.00 | -0.39 |
| Col15 | 29 | -0.22 | 0.00 | -0.39 |
| Col15 | 30 | -0.46 | 0.00 | 0.43 |
| Col15 | 31 | -0.22 | 0.00 | 0.43 |
| Col15 | 32 | -0.46 | 0.00 | 0.43 |
| Col15 | 33 | -0.22 | 0.00 | 0.43 |
| Col15 | 34 | -0.29 | 0.00 | 0.43 |
| Col15 | 35 | -0.06 | 0.00 | 0.43 |
| Col15 | 36 | 0.15 | 0.00 | 0.00 |
| Col15 | 37 | 0.15 | 0.00 | 0.00 |
| Col15 | 38 | 0.75 | 0.00 | 0.00 |
| Col15 | 39 | 0.75 | 0.00 | 0.00 |
| Col15 | 40 | 0.55 | 0.00 | 0.00 |
| Col15 | 41 | 0.55 | 0.00 | 0.00 |
| Col15 | 42 | 0.55 | 0.00 | 0.00 |
| Col15 | 43 | 0.55 | 0.00 | 0.00 |
| Col15 | 44 | 0.09 | 0.00 | 0.00 |
| Col15 | 45 | 0.09 | 0.00 | 0.00 |
| Col15 | 46 | 0.78 | 0.00 | 0.00 |
| Col15 | 47 | 0.34 | 0.00 | 0.32 |
| Col15 | 48 | 0.51 | 0.00 | 0.32 |
| Col15 | 49 | 0.14 | 0.00 | 0.00 |
| Col15 | 50 | 0.14 | 0.00 | 0.00 |
| Col15 | 51 | 0.09 | 0.00 | 0.00 |
| Col15 | 52 | 0.09 | 0.00 | 0.00 |

| | | | | |
|------|----|-------|------|-------|
| Col6 | 1 | 0.94 | 0.00 | 0.00 |
| Col6 | 2 | 0.14 | 0.00 | 0.00 |
| Col6 | 3 | 0.68 | 0.00 | 0.00 |
| Col6 | 4 | 0.68 | 0.00 | 0.00 |
| Col6 | 5 | 0.74 | 0.00 | 0.00 |
| Col6 | 6 | 0.55 | 0.00 | 0.00 |
| Col6 | 7 | 0.55 | 0.00 | 0.00 |
| Col6 | 8 | -0.42 | 0.00 | -0.40 |
| Col6 | 9 | -0.19 | 0.00 | -0.40 |
| Col6 | 10 | -0.42 | 0.00 | 0.44 |
| Col6 | 11 | -0.19 | 0.00 | 0.44 |
| Col6 | 12 | -0.42 | 0.00 | 0.44 |
| Col6 | 13 | -0.19 | 0.00 | 0.44 |
| Col6 | 14 | -0.26 | 0.00 | 0.44 |
| Col6 | 15 | -0.03 | 0.00 | 0.44 |
| Col6 | 16 | 0.46 | 0.00 | 0.33 |
| Col6 | 17 | 0.63 | 0.00 | 0.33 |
| Col6 | 18 | 0.33 | 0.00 | 0.33 |
| Col6 | 19 | 0.51 | 0.00 | 0.33 |
| Col6 | 20 | 0.26 | 0.00 | 0.33 |
| Col6 | 21 | 0.43 | 0.00 | 0.33 |
| Col6 | 22 | 0.13 | 0.00 | 0.33 |
| Col6 | 23 | 0.31 | 0.00 | 0.33 |
| Col6 | 24 | 0.26 | 0.00 | 0.33 |
| Col6 | 25 | 0.43 | 0.00 | 0.33 |
| Col6 | 26 | 0.13 | 0.00 | 0.33 |
| Col6 | 27 | 0.31 | 0.00 | 0.33 |
| Col6 | 28 | -0.46 | 0.00 | -0.40 |
| Col6 | 29 | -0.22 | 0.00 | -0.40 |
| Col6 | 30 | -0.46 | 0.00 | 0.44 |
| Col6 | 31 | -0.22 | 0.00 | 0.44 |
| Col6 | 32 | -0.46 | 0.00 | 0.44 |
| Col6 | 33 | -0.22 | 0.00 | 0.44 |
| Col6 | 34 | -0.29 | 0.00 | 0.44 |
| Col6 | 35 | -0.06 | 0.00 | 0.44 |
| Col6 | 36 | 0.15 | 0.00 | 0.00 |
| Col6 | 37 | 0.15 | 0.00 | 0.00 |
| Col6 | 38 | 0.75 | 0.00 | 0.00 |
| Col6 | 39 | 0.75 | 0.00 | 0.00 |
| Col6 | 40 | 0.55 | 0.00 | 0.00 |
| Col6 | 41 | 0.55 | 0.00 | 0.00 |
| Col6 | 42 | 0.55 | 0.00 | 0.00 |
| Col6 | 43 | 0.55 | 0.00 | 0.00 |
| Col6 | 44 | 0.09 | 0.00 | 0.00 |
| Col6 | 45 | 0.09 | 0.00 | 0.00 |
| Col6 | 46 | 0.78 | 0.00 | 0.00 |
| Col6 | 47 | 0.34 | 0.00 | 0.33 |
| Col6 | 48 | 0.51 | 0.00 | 0.33 |
| Col6 | 49 | 0.14 | 0.00 | 0.00 |
| Col6 | 50 | 0.14 | 0.00 | 0.00 |
| Col6 | 51 | 0.09 | 0.00 | 0.00 |
| Col6 | 52 | 0.09 | 0.00 | 0.00 |
| Col7 | 1 | 0.94 | 0.00 | 0.00 |
| Col7 | 2 | 0.14 | 0.00 | 0.00 |
| Col7 | 3 | 0.68 | 0.00 | 0.00 |
| Col7 | 4 | 0.68 | 0.00 | 0.00 |
| Col7 | 5 | 0.74 | 0.00 | 0.00 |
| Col7 | 6 | 0.55 | 0.00 | 0.00 |
| Col7 | 7 | 0.55 | 0.00 | 0.00 |
| Col7 | 8 | -0.42 | 0.00 | -0.40 |
| Col7 | 9 | -0.19 | 0.00 | -0.40 |
| Col7 | 10 | -0.42 | 0.00 | 0.44 |
| Col7 | 11 | -0.19 | 0.00 | 0.44 |
| Col7 | 12 | -0.42 | 0.00 | 0.44 |
| Col7 | 13 | -0.19 | 0.00 | 0.44 |

| | | | | |
|------|----|-------|------|-------|
| Col7 | 14 | -0.26 | 0.00 | 0.44 |
| Col7 | 15 | -0.03 | 0.00 | 0.44 |
| Col7 | 16 | 0.46 | 0.00 | 0.33 |
| Col7 | 17 | 0.63 | 0.00 | 0.33 |
| Col7 | 18 | 0.33 | 0.00 | 0.33 |
| Col7 | 19 | 0.51 | 0.00 | 0.33 |
| Col7 | 20 | 0.26 | 0.00 | 0.33 |
| Col7 | 21 | 0.43 | 0.00 | 0.33 |
| Col7 | 22 | 0.14 | 0.00 | 0.33 |
| Col7 | 23 | 0.31 | 0.00 | 0.33 |
| Col7 | 24 | 0.26 | 0.00 | 0.33 |
| Col7 | 25 | 0.43 | 0.00 | 0.33 |
| Col7 | 26 | 0.14 | 0.00 | 0.33 |
| Col7 | 27 | 0.31 | 0.00 | 0.33 |
| Col7 | 28 | -0.46 | 0.00 | -0.40 |
| Col7 | 29 | -0.22 | 0.00 | -0.40 |
| Col7 | 30 | -0.46 | 0.00 | 0.44 |
| Col7 | 31 | -0.22 | 0.00 | 0.44 |
| Col7 | 32 | -0.46 | 0.00 | 0.44 |
| Col7 | 33 | -0.22 | 0.00 | 0.44 |
| Col7 | 34 | -0.29 | 0.00 | 0.44 |
| Col7 | 35 | -0.06 | 0.00 | 0.44 |
| Col7 | 36 | 0.15 | 0.00 | 0.00 |
| Col7 | 37 | 0.15 | 0.00 | 0.00 |
| Col7 | 38 | 0.75 | 0.00 | 0.00 |
| Col7 | 39 | 0.75 | 0.00 | 0.00 |
| Col7 | 40 | 0.55 | 0.00 | 0.00 |
| Col7 | 41 | 0.55 | 0.00 | 0.00 |
| Col7 | 42 | 0.55 | 0.00 | 0.00 |
| Col7 | 43 | 0.55 | 0.00 | 0.00 |
| Col7 | 44 | 0.09 | 0.00 | 0.00 |
| Col7 | 45 | 0.09 | 0.00 | 0.00 |
| Col7 | 46 | 0.79 | 0.00 | 0.00 |
| Col7 | 47 | 0.34 | 0.00 | 0.33 |
| Col7 | 48 | 0.51 | 0.00 | 0.33 |
| Col7 | 49 | 0.14 | 0.00 | 0.00 |
| Col7 | 50 | 0.14 | 0.00 | 0.00 |
| Col7 | 51 | 0.09 | 0.00 | 0.00 |
| Col7 | 52 | 0.09 | 0.00 | 0.00 |
| Col8 | 1 | 0.94 | 0.00 | 0.00 |
| Col8 | 2 | 0.14 | 0.00 | 0.00 |
| Col8 | 3 | 0.68 | 0.00 | 0.00 |
| Col8 | 4 | 0.68 | 0.00 | 0.00 |
| Col8 | 5 | 0.74 | 0.00 | 0.00 |
| Col8 | 6 | 0.55 | 0.00 | 0.00 |
| Col8 | 7 | 0.55 | 0.00 | 0.00 |
| Col8 | 8 | -0.42 | 0.00 | -0.41 |
| Col8 | 9 | -0.19 | 0.00 | -0.41 |
| Col8 | 10 | -0.42 | 0.00 | 0.45 |
| Col8 | 11 | -0.19 | 0.00 | 0.45 |
| Col8 | 12 | -0.42 | 0.00 | 0.45 |
| Col8 | 13 | -0.19 | 0.00 | 0.45 |
| Col8 | 14 | -0.26 | 0.00 | 0.45 |
| Col8 | 15 | -0.03 | 0.00 | 0.45 |
| Col8 | 16 | 0.46 | 0.00 | 0.34 |
| Col8 | 17 | 0.63 | 0.00 | 0.34 |
| Col8 | 18 | 0.33 | 0.00 | 0.34 |
| Col8 | 19 | 0.51 | 0.00 | 0.34 |
| Col8 | 20 | 0.26 | 0.00 | 0.34 |
| Col8 | 21 | 0.43 | 0.00 | 0.34 |
| Col8 | 22 | 0.14 | 0.00 | 0.34 |
| Col8 | 23 | 0.31 | 0.00 | 0.34 |
| Col8 | 24 | 0.26 | 0.00 | 0.34 |
| Col8 | 25 | 0.43 | 0.00 | 0.34 |
| Col8 | 26 | 0.14 | 0.00 | 0.34 |

| | | | | |
|------|----|-------|------|-------|
| Col8 | 27 | 0.31 | 0.00 | 0.34 |
| Col8 | 28 | -0.46 | 0.00 | -0.41 |
| Col8 | 29 | -0.22 | 0.00 | -0.41 |
| Col8 | 30 | -0.46 | 0.00 | 0.45 |
| Col8 | 31 | -0.22 | 0.00 | 0.45 |
| Col8 | 32 | -0.46 | 0.00 | 0.45 |
| Col8 | 33 | -0.22 | 0.00 | 0.45 |
| Col8 | 34 | -0.29 | 0.00 | 0.45 |
| Col8 | 35 | -0.06 | 0.00 | 0.45 |
| Col8 | 36 | 0.15 | 0.00 | 0.00 |
| Col8 | 37 | 0.15 | 0.00 | 0.00 |
| Col8 | 38 | 0.75 | 0.00 | 0.00 |
| Col8 | 39 | 0.75 | 0.00 | 0.00 |
| Col8 | 40 | 0.55 | 0.00 | 0.00 |
| Col8 | 41 | 0.55 | 0.00 | 0.00 |
| Col8 | 42 | 0.55 | 0.00 | 0.00 |
| Col8 | 43 | 0.55 | 0.00 | 0.00 |
| Col8 | 44 | 0.09 | 0.00 | 0.00 |
| Col8 | 45 | 0.09 | 0.00 | 0.00 |
| Col8 | 46 | 0.79 | 0.00 | 0.00 |
| Col8 | 47 | 0.34 | 0.00 | 0.34 |
| Col8 | 48 | 0.51 | 0.00 | 0.34 |
| Col8 | 49 | 0.15 | 0.00 | 0.00 |
| Col8 | 50 | 0.14 | 0.00 | 0.00 |
| Col8 | 51 | 0.09 | 0.00 | 0.00 |
| Col8 | 52 | 0.09 | 0.00 | 0.00 |
| Col9 | 1 | 0.95 | 0.00 | 0.00 |
| Col9 | 2 | 0.15 | 0.00 | 0.00 |
| Col9 | 3 | 0.68 | 0.00 | 0.00 |
| Col9 | 4 | 0.68 | 0.00 | 0.00 |
| Col9 | 5 | 0.75 | 0.00 | 0.00 |
| Col9 | 6 | 0.55 | 0.00 | 0.00 |
| Col9 | 7 | 0.55 | 0.00 | 0.00 |
| Col9 | 8 | -0.42 | 0.00 | -0.41 |
| Col9 | 9 | -0.19 | 0.00 | -0.41 |
| Col9 | 10 | -0.42 | 0.00 | 0.45 |
| Col9 | 11 | -0.19 | 0.00 | 0.45 |
| Col9 | 12 | -0.42 | 0.00 | 0.45 |
| Col9 | 13 | -0.19 | 0.00 | 0.45 |
| Col9 | 14 | -0.26 | 0.00 | 0.45 |
| Col9 | 15 | -0.03 | 0.00 | 0.45 |
| Col9 | 16 | 0.46 | 0.00 | 0.34 |
| Col9 | 17 | 0.63 | 0.00 | 0.34 |
| Col9 | 18 | 0.33 | 0.00 | 0.34 |
| Col9 | 19 | 0.51 | 0.00 | 0.34 |
| Col9 | 20 | 0.26 | 0.00 | 0.34 |
| Col9 | 21 | 0.43 | 0.00 | 0.34 |
| Col9 | 22 | 0.14 | 0.00 | 0.34 |
| Col9 | 23 | 0.31 | 0.00 | 0.34 |
| Col9 | 24 | 0.26 | 0.00 | 0.34 |
| Col9 | 25 | 0.43 | 0.00 | 0.34 |
| Col9 | 26 | 0.14 | 0.00 | 0.34 |
| Col9 | 27 | 0.31 | 0.00 | 0.34 |
| Col9 | 28 | -0.45 | 0.00 | -0.41 |
| Col9 | 29 | -0.22 | 0.00 | -0.41 |
| Col9 | 30 | -0.45 | 0.00 | 0.45 |
| Col9 | 31 | -0.22 | 0.00 | 0.45 |
| Col9 | 32 | -0.45 | 0.00 | 0.45 |
| Col9 | 33 | -0.22 | 0.00 | 0.45 |
| Col9 | 34 | -0.29 | 0.00 | 0.45 |
| Col9 | 35 | -0.06 | 0.00 | 0.45 |
| Col9 | 36 | 0.15 | 0.00 | 0.00 |
| Col9 | 37 | 0.15 | 0.00 | 0.00 |
| Col9 | 38 | 0.75 | 0.00 | 0.00 |
| Col9 | 39 | 0.75 | 0.00 | 0.00 |

| | | | | |
|-------|----|-------|------|-------|
| Col9 | 40 | 0.55 | 0.00 | 0.00 |
| Col9 | 41 | 0.55 | 0.00 | 0.00 |
| Col9 | 42 | 0.55 | 0.00 | 0.00 |
| Col9 | 43 | 0.55 | 0.00 | 0.00 |
| Col9 | 44 | 0.09 | 0.00 | 0.00 |
| Col9 | 45 | 0.09 | 0.00 | 0.00 |
| Col9 | 46 | 0.79 | 0.00 | 0.00 |
| Col9 | 47 | 0.34 | 0.00 | 0.34 |
| Col9 | 48 | 0.51 | 0.00 | 0.34 |
| Col9 | 49 | 0.15 | 0.00 | 0.00 |
| Col9 | 50 | 0.15 | 0.00 | 0.00 |
| Col9 | 51 | 0.09 | 0.00 | 0.00 |
| Col9 | 52 | 0.09 | 0.00 | 0.00 |
| Col10 | 1 | 0.95 | 0.00 | 0.00 |
| Col10 | 2 | 0.15 | 0.00 | 0.00 |
| Col10 | 3 | 0.68 | 0.00 | 0.00 |
| Col10 | 4 | 0.68 | 0.00 | 0.00 |
| Col10 | 5 | 0.75 | 0.00 | 0.00 |
| Col10 | 6 | 0.55 | 0.00 | 0.00 |
| Col10 | 7 | 0.55 | 0.00 | 0.00 |
| Col10 | 8 | -0.42 | 0.00 | -0.42 |
| Col10 | 9 | -0.19 | 0.00 | -0.42 |
| Col10 | 10 | -0.42 | 0.00 | 0.47 |
| Col10 | 11 | -0.19 | 0.00 | 0.47 |
| Col10 | 12 | -0.42 | 0.00 | 0.47 |
| Col10 | 13 | -0.19 | 0.00 | 0.47 |
| Col10 | 14 | -0.26 | 0.00 | 0.47 |
| Col10 | 15 | -0.02 | 0.00 | 0.47 |
| Col10 | 16 | 0.46 | 0.00 | 0.36 |
| Col10 | 17 | 0.63 | 0.00 | 0.36 |
| Col10 | 18 | 0.33 | 0.00 | 0.36 |
| Col10 | 19 | 0.51 | 0.00 | 0.36 |
| Col10 | 20 | 0.26 | 0.00 | 0.36 |
| Col10 | 21 | 0.43 | 0.00 | 0.36 |
| Col10 | 22 | 0.14 | 0.00 | 0.36 |
| Col10 | 23 | 0.31 | 0.00 | 0.36 |
| Col10 | 24 | 0.26 | 0.00 | 0.36 |
| Col10 | 25 | 0.43 | 0.00 | 0.36 |
| Col10 | 26 | 0.14 | 0.00 | 0.36 |
| Col10 | 27 | 0.31 | 0.00 | 0.36 |
| Col10 | 28 | -0.45 | 0.00 | -0.42 |
| Col10 | 29 | -0.22 | 0.00 | -0.42 |
| Col10 | 30 | -0.45 | 0.00 | 0.47 |
| Col10 | 31 | -0.22 | 0.00 | 0.47 |
| Col10 | 32 | -0.45 | 0.00 | 0.47 |
| Col10 | 33 | -0.22 | 0.00 | 0.47 |
| Col10 | 34 | -0.29 | 0.00 | 0.47 |
| Col10 | 35 | -0.06 | 0.00 | 0.47 |
| Col10 | 36 | 0.15 | 0.00 | 0.00 |
| Col10 | 37 | 0.15 | 0.00 | 0.00 |
| Col10 | 38 | 0.75 | 0.00 | 0.00 |
| Col10 | 39 | 0.75 | 0.00 | 0.00 |
| Col10 | 40 | 0.55 | 0.00 | 0.00 |
| Col10 | 41 | 0.55 | 0.00 | 0.00 |
| Col10 | 42 | 0.55 | 0.00 | 0.00 |
| Col10 | 43 | 0.55 | 0.00 | 0.00 |
| Col10 | 44 | 0.09 | 0.00 | 0.00 |
| Col10 | 45 | 0.09 | 0.00 | 0.00 |
| Col10 | 46 | 0.79 | 0.00 | 0.00 |
| Col10 | 47 | 0.34 | 0.00 | 0.36 |
| Col10 | 48 | 0.51 | 0.00 | 0.36 |
| Col10 | 49 | 0.15 | 0.00 | 0.00 |
| Col10 | 50 | 0.15 | 0.00 | 0.00 |
| Col10 | 51 | 0.09 | 0.00 | 0.00 |
| Col10 | 52 | 0.09 | 0.00 | 0.00 |

COLUMN DEFLECTIONS:

| Id | Load | Deflection (in) | |
|------|------|-----------------|-------|
| | Id | Calc | Limit |
| Col2 | 1 | 0.00 | 1.00 |
| Col2 | 2 | 0.00 | 1.00 |
| Col2 | 3 | 0.00 | 1.00 |
| Col2 | 4 | 0.00 | 1.00 |
| Col2 | 5 | 0.00 | 1.00 |
| Col2 | 6 | 0.00 | 1.00 |
| Col2 | 7 | 0.00 | 1.00 |
| Col2 | 8 | -0.52 | 1.00 |
| Col2 | 9 | -0.52 | 1.00 |
| Col2 | 10 | 0.59 | 1.00 |
| Col2 | 11 | 0.59 | 1.00 |
| Col2 | 12 | 0.59 | 1.00 |
| Col2 | 13 | 0.59 | 1.00 |
| Col2 | 14 | 0.59 | 1.00 |
| Col2 | 15 | 0.59 | 1.00 |
| Col2 | 16 | 0.44 | 1.00 |
| Col2 | 17 | 0.44 | 1.00 |
| Col2 | 18 | 0.44 | 1.00 |
| Col2 | 19 | 0.44 | 1.00 |
| Col2 | 20 | 0.44 | 1.00 |
| Col2 | 21 | 0.44 | 1.00 |
| Col2 | 22 | 0.44 | 1.00 |
| Col2 | 23 | 0.44 | 1.00 |
| Col2 | 24 | 0.44 | 1.00 |
| Col2 | 25 | 0.44 | 1.00 |
| Col2 | 26 | 0.44 | 1.00 |
| Col2 | 27 | 0.44 | 1.00 |
| Col2 | 28 | -0.52 | 1.00 |
| Col2 | 29 | -0.52 | 1.00 |
| Col2 | 30 | 0.59 | 1.00 |
| Col2 | 31 | 0.59 | 1.00 |
| Col2 | 32 | 0.59 | 1.00 |
| Col2 | 33 | 0.59 | 1.00 |
| Col2 | 34 | 0.59 | 1.00 |
| Col2 | 35 | 0.59 | 1.00 |
| Col2 | 36 | 0.00 | 1.00 |
| Col2 | 37 | 0.00 | 1.00 |
| Col2 | 38 | 0.00 | 1.00 |
| Col2 | 39 | 0.00 | 1.00 |
| Col2 | 40 | 0.00 | 1.00 |
| Col2 | 41 | 0.00 | 1.00 |
| Col2 | 42 | 0.00 | 1.00 |
| Col2 | 43 | 0.00 | 1.00 |
| Col2 | 44 | 0.00 | 1.00 |
| Col2 | 45 | 0.00 | 1.00 |
| Col2 | 46 | 0.00 | 1.00 |
| Col2 | 47 | 0.27 | 1.00 |
| Col2 | 48 | 0.27 | 1.00 |
| Col3 | 1 | 0.00 | 1.02 |
| Col3 | 2 | 0.00 | 1.02 |
| Col3 | 3 | 0.00 | 1.02 |
| Col3 | 4 | 0.00 | 1.02 |
| Col3 | 5 | 0.00 | 1.02 |
| Col3 | 6 | 0.00 | 1.02 |
| Col3 | 7 | 0.00 | 1.02 |
| Col3 | 8 | -0.55 | 1.02 |
| Col3 | 9 | -0.55 | 1.02 |
| Col3 | 10 | 0.60 | 1.02 |
| Col3 | 11 | 0.60 | 1.02 |

| | | | |
|------|----|-------|------|
| Col3 | 12 | 0.60 | 1.02 |
| Col3 | 13 | 0.60 | 1.02 |
| Col3 | 14 | 0.60 | 1.02 |
| Col3 | 15 | 0.60 | 1.02 |
| Col3 | 16 | 0.45 | 1.02 |
| Col3 | 17 | 0.45 | 1.02 |
| Col3 | 18 | 0.45 | 1.02 |
| Col3 | 19 | 0.45 | 1.02 |
| Col3 | 20 | 0.45 | 1.02 |
| Col3 | 21 | 0.45 | 1.02 |
| Col3 | 22 | 0.45 | 1.02 |
| Col3 | 23 | 0.45 | 1.02 |
| Col3 | 24 | 0.45 | 1.02 |
| Col3 | 25 | 0.45 | 1.02 |
| Col3 | 26 | 0.45 | 1.02 |
| Col3 | 27 | 0.45 | 1.02 |
| Col3 | 28 | -0.55 | 1.02 |
| Col3 | 29 | -0.55 | 1.02 |
| Col3 | 30 | 0.60 | 1.02 |
| Col3 | 31 | 0.60 | 1.02 |
| Col3 | 32 | 0.60 | 1.02 |
| Col3 | 33 | 0.60 | 1.02 |
| Col3 | 34 | 0.60 | 1.02 |
| Col3 | 35 | 0.60 | 1.02 |
| Col3 | 36 | 0.00 | 1.02 |
| Col3 | 37 | 0.00 | 1.02 |
| Col3 | 38 | 0.00 | 1.02 |
| Col3 | 39 | 0.00 | 1.02 |
| Col3 | 40 | 0.00 | 1.02 |
| Col3 | 41 | 0.00 | 1.02 |
| Col3 | 42 | 0.00 | 1.02 |
| Col3 | 43 | 0.00 | 1.02 |
| Col3 | 44 | 0.00 | 1.02 |
| Col3 | 45 | 0.00 | 1.02 |
| Col3 | 46 | 0.00 | 1.02 |
| Col3 | 47 | 0.27 | 1.02 |
| Col3 | 48 | 0.27 | 1.02 |
| Col4 | 1 | 0.00 | 1.03 |
| Col4 | 2 | 0.00 | 1.03 |
| Col4 | 3 | 0.00 | 1.03 |
| Col4 | 4 | 0.00 | 1.03 |
| Col4 | 5 | 0.00 | 1.03 |
| Col4 | 6 | 0.00 | 1.03 |
| Col4 | 7 | 0.00 | 1.03 |
| Col4 | 8 | -0.58 | 1.03 |
| Col4 | 9 | -0.58 | 1.03 |
| Col4 | 10 | 0.64 | 1.03 |
| Col4 | 11 | 0.64 | 1.03 |
| Col4 | 12 | 0.64 | 1.03 |
| Col4 | 13 | 0.64 | 1.03 |
| Col4 | 14 | 0.64 | 1.03 |
| Col4 | 15 | 0.64 | 1.03 |
| Col4 | 16 | 0.48 | 1.03 |
| Col4 | 17 | 0.48 | 1.03 |
| Col4 | 18 | 0.48 | 1.03 |
| Col4 | 19 | 0.48 | 1.03 |
| Col4 | 20 | 0.48 | 1.03 |
| Col4 | 21 | 0.48 | 1.03 |
| Col4 | 22 | 0.48 | 1.03 |
| Col4 | 23 | 0.48 | 1.03 |
| Col4 | 24 | 0.48 | 1.03 |
| Col4 | 25 | 0.48 | 1.03 |
| Col4 | 26 | 0.48 | 1.03 |
| Col4 | 27 | 0.48 | 1.03 |
| Col4 | 28 | -0.58 | 1.03 |

| | | | |
|------|----|-------|------|
| Col4 | 29 | -0.58 | 1.03 |
| Col4 | 30 | 0.64 | 1.03 |
| Col4 | 31 | 0.64 | 1.03 |
| Col4 | 32 | 0.64 | 1.03 |
| Col4 | 33 | 0.64 | 1.03 |
| Col4 | 34 | 0.64 | 1.03 |
| Col4 | 35 | 0.64 | 1.03 |
| Col4 | 36 | 0.00 | 1.03 |
| Col4 | 37 | 0.00 | 1.03 |
| Col4 | 38 | 0.00 | 1.03 |
| Col4 | 39 | 0.00 | 1.03 |
| Col4 | 40 | 0.00 | 1.03 |
| Col4 | 41 | 0.00 | 1.03 |
| Col4 | 42 | 0.00 | 1.03 |
| Col4 | 43 | 0.00 | 1.03 |
| Col4 | 44 | 0.00 | 1.03 |
| Col4 | 45 | 0.00 | 1.03 |
| Col4 | 46 | 0.00 | 1.03 |
| Col4 | 47 | 0.29 | 1.03 |
| Col4 | 48 | 0.29 | 1.03 |
| Col5 | 1 | 0.00 | 1.04 |
| Col5 | 2 | 0.00 | 1.04 |
| Col5 | 3 | 0.00 | 1.04 |
| Col5 | 4 | 0.00 | 1.04 |
| Col5 | 5 | 0.00 | 1.04 |
| Col5 | 6 | 0.00 | 1.04 |
| Col5 | 7 | 0.00 | 1.04 |
| Col5 | 8 | -0.61 | 1.04 |
| Col5 | 9 | -0.61 | 1.04 |
| Col5 | 10 | 0.67 | 1.04 |
| Col5 | 11 | 0.67 | 1.04 |
| Col5 | 12 | 0.67 | 1.04 |
| Col5 | 13 | 0.67 | 1.04 |
| Col5 | 14 | 0.67 | 1.04 |
| Col5 | 15 | 0.67 | 1.04 |
| Col5 | 16 | 0.50 | 1.04 |
| Col5 | 17 | 0.50 | 1.04 |
| Col5 | 18 | 0.50 | 1.04 |
| Col5 | 19 | 0.50 | 1.04 |
| Col5 | 20 | 0.50 | 1.04 |
| Col5 | 21 | 0.50 | 1.04 |
| Col5 | 22 | 0.50 | 1.04 |
| Col5 | 23 | 0.50 | 1.04 |
| Col5 | 24 | 0.50 | 1.04 |
| Col5 | 25 | 0.50 | 1.04 |
| Col5 | 26 | 0.50 | 1.04 |
| Col5 | 27 | 0.50 | 1.04 |
| Col5 | 28 | -0.61 | 1.04 |
| Col5 | 29 | -0.61 | 1.04 |
| Col5 | 30 | 0.67 | 1.04 |
| Col5 | 31 | 0.67 | 1.04 |
| Col5 | 32 | 0.67 | 1.04 |
| Col5 | 33 | 0.67 | 1.04 |
| Col5 | 34 | 0.67 | 1.04 |
| Col5 | 35 | 0.67 | 1.04 |
| Col5 | 36 | 0.00 | 1.04 |
| Col5 | 37 | 0.00 | 1.04 |
| Col5 | 38 | 0.00 | 1.04 |
| Col5 | 39 | 0.00 | 1.04 |
| Col5 | 40 | 0.00 | 1.04 |
| Col5 | 41 | 0.00 | 1.04 |
| Col5 | 42 | 0.00 | 1.04 |
| Col5 | 43 | 0.00 | 1.04 |
| Col5 | 44 | 0.00 | 1.04 |
| Col5 | 45 | 0.00 | 1.04 |

| | | | |
|------|----|-------|------|
| Col5 | 46 | 0.00 | 1.04 |
| Col5 | 47 | 0.30 | 1.04 |
| Col5 | 48 | 0.30 | 1.04 |
| Col6 | 1 | 0.00 | 1.06 |
| Col6 | 2 | 0.00 | 1.06 |
| Col6 | 3 | 0.00 | 1.06 |
| Col6 | 4 | 0.00 | 1.06 |
| Col6 | 5 | 0.00 | 1.06 |
| Col6 | 6 | 0.00 | 1.06 |
| Col6 | 7 | 0.00 | 1.06 |
| Col6 | 8 | -0.64 | 1.06 |
| Col6 | 9 | -0.64 | 1.06 |
| Col6 | 10 | 0.71 | 1.06 |
| Col6 | 11 | 0.71 | 1.06 |
| Col6 | 12 | 0.71 | 1.06 |
| Col6 | 13 | 0.71 | 1.06 |
| Col6 | 14 | 0.71 | 1.06 |
| Col6 | 15 | 0.71 | 1.06 |
| Col6 | 16 | 0.53 | 1.06 |
| Col6 | 17 | 0.53 | 1.06 |
| Col6 | 18 | 0.53 | 1.06 |
| Col6 | 19 | 0.53 | 1.06 |
| Col6 | 20 | 0.53 | 1.06 |
| Col6 | 21 | 0.53 | 1.06 |
| Col6 | 22 | 0.53 | 1.06 |
| Col6 | 23 | 0.53 | 1.06 |
| Col6 | 24 | 0.53 | 1.06 |
| Col6 | 25 | 0.53 | 1.06 |
| Col6 | 26 | 0.53 | 1.06 |
| Col6 | 27 | 0.53 | 1.06 |
| Col6 | 28 | -0.64 | 1.06 |
| Col6 | 29 | -0.64 | 1.06 |
| Col6 | 30 | 0.71 | 1.06 |
| Col6 | 31 | 0.71 | 1.06 |
| Col6 | 32 | 0.71 | 1.06 |
| Col6 | 33 | 0.71 | 1.06 |
| Col6 | 34 | 0.71 | 1.06 |
| Col6 | 35 | 0.71 | 1.06 |
| Col6 | 36 | 0.00 | 1.06 |
| Col6 | 37 | 0.00 | 1.06 |
| Col6 | 38 | 0.00 | 1.06 |
| Col6 | 39 | 0.00 | 1.06 |
| Col6 | 40 | 0.00 | 1.06 |
| Col6 | 41 | 0.00 | 1.06 |
| Col6 | 42 | 0.00 | 1.06 |
| Col6 | 43 | 0.00 | 1.06 |
| Col6 | 44 | 0.00 | 1.06 |
| Col6 | 45 | 0.00 | 1.06 |
| Col6 | 46 | 0.00 | 1.06 |
| Col6 | 47 | 0.32 | 1.06 |
| Col6 | 48 | 0.32 | 1.06 |
| Col7 | 1 | 0.00 | 1.07 |
| Col7 | 2 | 0.00 | 1.07 |
| Col7 | 3 | 0.00 | 1.07 |
| Col7 | 4 | 0.00 | 1.07 |
| Col7 | 5 | 0.00 | 1.07 |
| Col7 | 6 | 0.00 | 1.07 |
| Col7 | 7 | 0.00 | 1.07 |
| Col7 | 8 | -0.68 | 1.07 |
| Col7 | 9 | -0.68 | 1.07 |
| Col7 | 10 | 0.75 | 1.07 |
| Col7 | 11 | 0.75 | 1.07 |
| Col7 | 12 | 0.75 | 1.07 |
| Col7 | 13 | 0.75 | 1.07 |
| Col7 | 14 | 0.75 | 1.07 |

| | | | |
|------|----|-------|------|
| Col7 | 15 | 0.75 | 1.07 |
| Col7 | 16 | 0.56 | 1.07 |
| Col7 | 17 | 0.56 | 1.07 |
| Col7 | 18 | 0.56 | 1.07 |
| Col7 | 19 | 0.56 | 1.07 |
| Col7 | 20 | 0.56 | 1.07 |
| Col7 | 21 | 0.56 | 1.07 |
| Col7 | 22 | 0.56 | 1.07 |
| Col7 | 23 | 0.56 | 1.07 |
| Col7 | 24 | 0.56 | 1.07 |
| Col7 | 25 | 0.56 | 1.07 |
| Col7 | 26 | 0.56 | 1.07 |
| Col7 | 27 | 0.56 | 1.07 |
| Col7 | 28 | -0.68 | 1.07 |
| Col7 | 29 | -0.68 | 1.07 |
| Col7 | 30 | 0.75 | 1.07 |
| Col7 | 31 | 0.75 | 1.07 |
| Col7 | 32 | 0.75 | 1.07 |
| Col7 | 33 | 0.75 | 1.07 |
| Col7 | 34 | 0.75 | 1.07 |
| Col7 | 35 | 0.75 | 1.07 |
| Col7 | 36 | 0.00 | 1.07 |
| Col7 | 37 | 0.00 | 1.07 |
| Col7 | 38 | 0.00 | 1.07 |
| Col7 | 39 | 0.00 | 1.07 |
| Col7 | 40 | 0.00 | 1.07 |
| Col7 | 41 | 0.00 | 1.07 |
| Col7 | 42 | 0.00 | 1.07 |
| Col7 | 43 | 0.00 | 1.07 |
| Col7 | 44 | 0.00 | 1.07 |
| Col7 | 45 | 0.00 | 1.07 |
| Col7 | 46 | 0.00 | 1.07 |
| Col7 | 47 | 0.34 | 1.07 |
| Col7 | 48 | 0.34 | 1.07 |
| Col8 | 1 | 0.00 | 1.09 |
| Col8 | 2 | 0.00 | 1.09 |
| Col8 | 3 | 0.00 | 1.09 |
| Col8 | 4 | 0.00 | 1.09 |
| Col8 | 5 | 0.00 | 1.09 |
| Col8 | 6 | 0.00 | 1.09 |
| Col8 | 7 | 0.00 | 1.09 |
| Col8 | 8 | -0.71 | 1.09 |
| Col8 | 9 | -0.71 | 1.09 |
| Col8 | 10 | 0.79 | 1.09 |
| Col8 | 11 | 0.79 | 1.09 |
| Col8 | 12 | 0.79 | 1.09 |
| Col8 | 13 | 0.79 | 1.09 |
| Col8 | 14 | 0.79 | 1.09 |
| Col8 | 15 | 0.79 | 1.09 |
| Col8 | 16 | 0.59 | 1.09 |
| Col8 | 17 | 0.59 | 1.09 |
| Col8 | 18 | 0.59 | 1.09 |
| Col8 | 19 | 0.59 | 1.09 |
| Col8 | 20 | 0.59 | 1.09 |
| Col8 | 21 | 0.59 | 1.09 |
| Col8 | 22 | 0.59 | 1.09 |
| Col8 | 23 | 0.59 | 1.09 |
| Col8 | 24 | 0.59 | 1.09 |
| Col8 | 25 | 0.59 | 1.09 |
| Col8 | 26 | 0.59 | 1.09 |
| Col8 | 27 | 0.59 | 1.09 |
| Col8 | 28 | -0.71 | 1.09 |
| Col8 | 29 | -0.71 | 1.09 |
| Col8 | 30 | 0.79 | 1.09 |
| Col8 | 31 | 0.79 | 1.09 |

| | | | |
|------|----|-------|------|
| Col8 | 32 | 0.79 | 1.09 |
| Col8 | 33 | 0.79 | 1.09 |
| Col8 | 34 | 0.79 | 1.09 |
| Col8 | 35 | 0.79 | 1.09 |
| Col8 | 36 | 0.00 | 1.09 |
| Col8 | 37 | 0.00 | 1.09 |
| Col8 | 38 | 0.00 | 1.09 |
| Col8 | 39 | 0.00 | 1.09 |
| Col8 | 40 | 0.00 | 1.09 |
| Col8 | 41 | 0.00 | 1.09 |
| Col8 | 42 | 0.00 | 1.09 |
| Col8 | 43 | 0.00 | 1.09 |
| Col8 | 44 | 0.00 | 1.09 |
| Col8 | 45 | 0.00 | 1.09 |
| Col8 | 46 | 0.00 | 1.09 |
| Col8 | 47 | 0.35 | 1.09 |
| Col8 | 48 | 0.35 | 1.09 |
| Col9 | 1 | 0.00 | 1.10 |
| Col9 | 2 | 0.00 | 1.10 |
| Col9 | 3 | 0.00 | 1.10 |
| Col9 | 4 | 0.00 | 1.10 |
| Col9 | 5 | 0.00 | 1.10 |
| Col9 | 6 | 0.00 | 1.10 |
| Col9 | 7 | 0.00 | 1.10 |
| Col9 | 8 | -0.75 | 1.10 |
| Col9 | 9 | -0.75 | 1.10 |
| Col9 | 10 | 0.83 | 1.10 |
| Col9 | 11 | 0.83 | 1.10 |
| Col9 | 12 | 0.83 | 1.10 |
| Col9 | 13 | 0.83 | 1.10 |
| Col9 | 14 | 0.83 | 1.10 |
| Col9 | 15 | 0.83 | 1.10 |
| Col9 | 16 | 0.62 | 1.10 |
| Col9 | 17 | 0.62 | 1.10 |
| Col9 | 18 | 0.62 | 1.10 |
| Col9 | 19 | 0.62 | 1.10 |
| Col9 | 20 | 0.62 | 1.10 |
| Col9 | 21 | 0.62 | 1.10 |
| Col9 | 22 | 0.62 | 1.10 |
| Col9 | 23 | 0.62 | 1.10 |
| Col9 | 24 | 0.62 | 1.10 |
| Col9 | 25 | 0.62 | 1.10 |
| Col9 | 26 | 0.62 | 1.10 |
| Col9 | 27 | 0.62 | 1.10 |
| Col9 | 28 | -0.75 | 1.10 |
| Col9 | 29 | -0.75 | 1.10 |
| Col9 | 30 | 0.83 | 1.10 |
| Col9 | 31 | 0.83 | 1.10 |
| Col9 | 32 | 0.83 | 1.10 |
| Col9 | 33 | 0.83 | 1.10 |
| Col9 | 34 | 0.83 | 1.10 |
| Col9 | 35 | 0.83 | 1.10 |
| Col9 | 36 | 0.00 | 1.10 |
| Col9 | 37 | 0.00 | 1.10 |
| Col9 | 38 | 0.00 | 1.10 |
| Col9 | 39 | 0.00 | 1.10 |
| Col9 | 40 | 0.00 | 1.10 |
| Col9 | 41 | 0.00 | 1.10 |
| Col9 | 42 | 0.00 | 1.10 |
| Col9 | 43 | 0.00 | 1.10 |
| Col9 | 44 | 0.00 | 1.10 |
| Col9 | 45 | 0.00 | 1.10 |
| Col9 | 46 | 0.00 | 1.10 |
| Col9 | 47 | 0.37 | 1.10 |
| Col9 | 48 | 0.37 | 1.10 |

| | | | |
|-------|----|-------|------|
| Col10 | 1 | 0.00 | 1.11 |
| Col10 | 2 | 0.00 | 1.11 |
| Col10 | 3 | 0.00 | 1.11 |
| Col10 | 4 | 0.00 | 1.11 |
| Col10 | 5 | 0.00 | 1.11 |
| Col10 | 6 | 0.00 | 1.11 |
| Col10 | 7 | 0.00 | 1.11 |
| Col10 | 8 | -0.79 | 1.11 |
| Col10 | 9 | -0.79 | 1.11 |
| Col10 | 10 | 0.90 | 1.11 |
| Col10 | 11 | 0.90 | 1.11 |
| Col10 | 12 | 0.90 | 1.11 |
| Col10 | 13 | 0.90 | 1.11 |
| Col10 | 14 | 0.90 | 1.11 |
| Col10 | 15 | 0.90 | 1.11 |
| Col10 | 16 | 0.67 | 1.11 |
| Col10 | 17 | 0.67 | 1.11 |
| Col10 | 18 | 0.67 | 1.11 |
| Col10 | 19 | 0.67 | 1.11 |
| Col10 | 20 | 0.67 | 1.11 |
| Col10 | 21 | 0.67 | 1.11 |
| Col10 | 22 | 0.67 | 1.11 |
| Col10 | 23 | 0.67 | 1.11 |
| Col10 | 24 | 0.67 | 1.11 |
| Col10 | 25 | 0.67 | 1.11 |
| Col10 | 26 | 0.67 | 1.11 |
| Col10 | 27 | 0.67 | 1.11 |
| Col10 | 28 | -0.79 | 1.11 |
| Col10 | 29 | -0.79 | 1.11 |
| Col10 | 30 | 0.90 | 1.11 |
| Col10 | 31 | 0.90 | 1.11 |
| Col10 | 32 | 0.90 | 1.11 |
| Col10 | 33 | 0.90 | 1.11 |
| Col10 | 34 | 0.90 | 1.11 |
| Col10 | 35 | 0.90 | 1.11 |
| Col10 | 36 | 0.00 | 1.11 |
| Col10 | 37 | 0.00 | 1.11 |
| Col10 | 38 | 0.00 | 1.11 |
| Col10 | 39 | 0.00 | 1.11 |
| Col10 | 40 | 0.00 | 1.11 |
| Col10 | 41 | 0.00 | 1.11 |
| Col10 | 42 | 0.00 | 1.11 |
| Col10 | 43 | 0.00 | 1.11 |
| Col10 | 44 | 0.00 | 1.11 |
| Col10 | 45 | 0.00 | 1.11 |
| Col10 | 46 | 0.00 | 1.11 |
| Col10 | 47 | 0.40 | 1.11 |
| Col10 | 48 | 0.40 | 1.11 |

COLUMN KL/R RATIO, MOMENT REDUCTION:

| Id | Major (ft) | --Minor (ft)-- | | ----KL/R---- | | Available Reduction Factor | |
|-------|---------------|----------------|-------|--------------|-------|----------------------------------|------|
| | | Bend | Axial | Major | Minor | Out | In |
| Col2 | 15.0 | 3.7 | 3.7 | 78 | 59 | 0.00 | 0.00 |
| Col3 | 15.3 | 3.7 | 3.7 | 79 | 59 | 0.00 | 0.00 |
| Col4 | 15.5 | 3.7 | 3.7 | 80 | 59 | 0.00 | 0.00 |
| Col5 | 15.7 | 3.7 | 3.7 | 81 | 59 | 0.00 | 0.00 |
| Col6 | 15.9 | 3.7 | 3.7 | 82 | 59 | 0.00 | 0.00 |
| Col7 | 16.1 | 3.7 | 3.7 | 83 | 59 | 0.00 | 0.00 |
| Col8 | 16.3 | 3.7 | 3.7 | 85 | 59 | 0.00 | 0.00 |
| Col9 | 16.5 | 3.7 | 3.7 | 86 | 59 | 0.00 | 0.00 |
| Col10 | 16.7 | 3.7 | 3.7 | 87 | 59 | 0.00 | 0.00 |

GIRT LAYOUT:

| Bay Id | Girt Id | Locate | Part | Design Length | Available Reduction Factor | |
|--------|---------|--------|--------|---------------|----------------------------|------|
| | | | | | Out | In |
| 1 | 1 | 3.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 4 | 14.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| 2 | 1 | 3.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 4 | 14.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| 3 | 1 | 3.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 4 | 14.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| 4 | 1 | 3.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 4 | 14.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| 5 | 1 | 3.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 4 | 14.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| 6 | 1 | 3.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 4 | 14.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| 7 | 1 | 3.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 4 | 14.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| 8 | 1 | 3.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 4 | 14.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| 9 | 1 | 3.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 4 | 14.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| 10 | 1 | 3.667 | 6X2C16 | 4.625 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 4.625 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 4.625 | 0.00 | 0.70 |
| | 4 | 14.667 | 6X2C16 | 4.625 | 0.00 | 0.70 |

GIRT ACTIONS:

| Bay Id | Girt Id | Load | -Shear(k) - | | Moment(f-k) | | Max UC | Deflect(in) | |
|--------|---------|------|-------------|-------|-------------|-------|--------|-------------|-------|
| | | | Calc | Limit | Calc | Limit | | Calc | Limit |
| 1 | 1 | WP | -0.08 | 3.32 | -0.09 | 2.65 | 0.03 | 0.00 | 0.60 |
| | | WS | 0.10 | 3.32 | 0.11 | 2.65 | 0.04 | 0.00 | 0.60 |
| | 4 | WP | -0.04 | 3.32 | -0.05 | 2.65 | 0.02 | 0.00 | 0.60 |
| | | WS | 0.05 | 3.32 | 0.06 | 2.65 | 0.02 | 0.00 | 0.60 |
| 2 | 1 | WP | -0.08 | 3.32 | -0.09 | 2.65 | 0.03 | 0.00 | 0.60 |
| | | WS | 0.09 | 3.32 | 0.10 | 2.65 | 0.04 | 0.00 | 0.60 |
| | 4 | WP | -0.05 | 3.32 | -0.05 | 2.65 | 0.02 | 0.00 | 0.60 |
| | | WS | 0.05 | 3.32 | 0.06 | 2.65 | 0.02 | 0.00 | 0.60 |
| 3 | 1 | WP | -0.08 | 3.32 | -0.09 | 2.65 | 0.03 | 0.00 | 0.60 |
| | WS | 0.09 | 3.32 | 0.10 | 2.65 | 0.04 | 0.00 | 0.60 | |

| | | | | | | | | | |
|----|---|----|-------|------|-------|------|------|------|------|
| | 4 | WP | -0.05 | 3.32 | -0.05 | 2.65 | 0.02 | 0.00 | 0.60 |
| | | WS | 0.05 | 3.32 | 0.06 | 2.65 | 0.02 | 0.00 | 0.60 |
| 4 | 1 | WP | -0.08 | 3.32 | -0.09 | 2.65 | 0.03 | 0.00 | 0.60 |
| | | WS | 0.09 | 3.32 | 0.10 | 2.65 | 0.04 | 0.00 | 0.60 |
| | 4 | WP | -0.05 | 3.32 | -0.06 | 2.65 | 0.02 | 0.00 | 0.60 |
| | | WS | 0.06 | 3.32 | 0.06 | 2.65 | 0.02 | 0.00 | 0.60 |
| 5 | 1 | WP | -0.08 | 3.32 | -0.09 | 2.65 | 0.03 | 0.00 | 0.60 |
| | | WS | 0.09 | 3.32 | 0.10 | 2.65 | 0.04 | 0.00 | 0.60 |
| | 4 | WP | -0.05 | 3.32 | -0.06 | 2.65 | 0.02 | 0.00 | 0.60 |
| | | WS | 0.06 | 3.32 | 0.07 | 2.65 | 0.02 | 0.00 | 0.60 |
| 6 | 1 | WP | -0.08 | 3.32 | -0.09 | 2.65 | 0.03 | 0.00 | 0.60 |
| | | WS | 0.09 | 3.32 | 0.10 | 2.65 | 0.04 | 0.00 | 0.60 |
| | 4 | WP | -0.06 | 3.32 | -0.06 | 2.65 | 0.02 | 0.00 | 0.60 |
| | | WS | 0.06 | 3.32 | 0.07 | 2.65 | 0.03 | 0.00 | 0.60 |
| 7 | 1 | WP | -0.08 | 3.32 | -0.09 | 2.65 | 0.03 | 0.00 | 0.60 |
| | | WS | 0.09 | 3.32 | 0.10 | 2.65 | 0.04 | 0.00 | 0.60 |
| | 4 | WP | -0.06 | 3.32 | -0.06 | 2.65 | 0.02 | 0.00 | 0.60 |
| | | WS | 0.06 | 3.32 | 0.07 | 2.65 | 0.03 | 0.00 | 0.60 |
| 8 | 1 | WP | -0.08 | 3.32 | -0.09 | 2.65 | 0.03 | 0.00 | 0.60 |
| | | WS | 0.09 | 3.32 | 0.10 | 2.65 | 0.04 | 0.00 | 0.60 |
| | 4 | WP | -0.06 | 3.32 | -0.07 | 2.65 | 0.03 | 0.00 | 0.60 |
| | | WS | 0.07 | 3.32 | 0.07 | 2.65 | 0.03 | 0.00 | 0.60 |
| 9 | 1 | WP | -0.08 | 3.32 | -0.09 | 2.65 | 0.03 | 0.00 | 0.60 |
| | | WS | 0.09 | 3.32 | 0.10 | 2.65 | 0.04 | 0.00 | 0.60 |
| | 4 | WP | -0.06 | 3.32 | -0.07 | 2.65 | 0.03 | 0.00 | 0.60 |
| | | WS | 0.07 | 3.32 | 0.08 | 2.65 | 0.03 | 0.00 | 0.60 |
| 10 | 1 | WP | -0.08 | 3.32 | -0.10 | 2.65 | 0.04 | 0.00 | 0.62 |
| | | WS | 0.10 | 3.32 | 0.12 | 2.65 | 0.04 | 0.00 | 0.62 |
| | 4 | WP | -0.07 | 3.32 | -0.08 | 2.65 | 0.03 | 0.00 | 0.62 |
| | | WS | 0.08 | 3.32 | 0.09 | 2.65 | 0.03 | 0.00 | 0.62 |

WP - Wind_Pressure

WS - Wind_Suction

PANEL DATA:

| Bay | Part | Type | Gage | Yield |
|-----|---------|------|-------|-------|
| 7 | CUSPANL | CP | 20.00 | 50.0 |

MOMENTS & DEFLECTION:

| Span Id | Locate (ft) | | Load | -----Moment (ft-lb/ft)----- | | | | | | Deflect (in) | | |
|---------|-------------|-------|------|-----------------------------|-------------|--------------|---------------|----------|-----------|--------------|-------|-------|
| | Start | End | | Start Calc | Start Limit | Midspan Calc | Midspan Limit | End Calc | End Limit | Max UC | Calc | Limit |
| 1 | 0.00 | 3.67 | WP | 0.0 | 38.1 | -12.8 | 49.1 | 17.5 | 38.1 | 0.46 | -0.11 | 0.73 |
| | | | WS | 0.0 | 38.1 | 17.1 | 38.1 | -23.3 | 49.1 | 0.48 | 0.15 | 0.73 |
| 2 | 3.67 | 7.33 | WP | 17.5 | 38.1 | -5.7 | 49.1 | 12.6 | 38.1 | 0.46 | -0.03 | 0.73 |
| | | | WS | -23.3 | 49.1 | 7.6 | 38.1 | -16.7 | 49.1 | 0.48 | 0.04 | 0.73 |
| 3 | 7.33 | 11.00 | WP | 12.6 | 38.1 | -6.9 | 49.1 | 14.9 | 38.1 | 0.39 | -0.04 | 0.73 |
| | | | WS | -16.7 | 49.1 | 9.2 | 38.1 | -19.9 | 49.1 | 0.41 | 0.06 | 0.73 |
| 4 | 11.00 | 14.67 | WP | 14.9 | 38.1 | -8.1 | 49.1 | 10.4 | 38.1 | 0.39 | -0.06 | 0.73 |
| | | | WS | -19.9 | 49.1 | 10.8 | 38.1 | -13.8 | 49.1 | 0.41 | 0.08 | 0.73 |
| 5 | 14.67 | 16.15 | WP | 10.4 | 38.1 | -0.2 | 49.1 | 0.0 | 38.1 | 0.27 | 0.00 | 0.30 |
| | | | WS | -13.8 | 49.1 | 0.2 | 38.1 | 0.0 | 38.1 | 0.28 | -0.01 | 0.30 |

WP - Wind_Pressure
 WS - Wind_Suction

PANEL:

| Part | Thick (in) | Yield (ksi) | Tensile Strength (ksi) |
|---------|------------|--------------|-------------------------|
| CUSPANL | 0.038 | 50.00 | 65.00 |

GIRT SCREWS:

| Part | Dia (in) | Washer (in) | Limit (k) |
|------|----------|-------------|------------|
| #29 | 0.21 | 0.50 | 2.90 |

PANEL ZONE LAYOUT:

| Zone Id | Description | ---Wall (ft)--- | | Bay Id | --Girt (ft, ft, in)-- | | | Panel Span (ft) |
|---------|-------------|-----------------|---------|--------|-----------------------|-------|-----------|-----------------|
| | | Offset1 | Offset2 | | Locate | Width | Min Thick | |
| 1 | Interior | 5.00 | 45.00 | 1 | 11.00 | 3.67 | 0.059 | 3.67 |
| 2 | Lt Edge | 0.00 | 5.00 | 1 | 11.00 | 3.67 | 0.059 | 3.67 |
| 3 | Rt Edge | 45.00 | 50.00 | 10 | 11.00 | 3.67 | 0.059 | 3.67 |

GIRT SCREW CHECK:

| Zone Id | Screw Space | Wind Suction (psf) | Load (k) | -----Limit (k)----- | | | Max UC |
|---------|-------------|---------------------|-----------|----------------------|----------------|---------------|--------|
| | | | | Girt Pullout | Panel Pullover | Screw Tension | |
| 1 | 1.00 | 16.38 | 0.06 | 0.22 | 0.61 | 0.77 | 0.27 |
| 2 | 1.00 | 16.38 | 0.06 | 0.22 | 0.61 | 0.77 | 0.27 |
| 3 | 1.00 | 16.38 | 0.06 | 0.22 | 0.61 | 0.77 | 0.27 |

WALL LAYOUT:

| Wall Id | Orn | Load Width |
|---------|-----|------------|
| 2 | L | 2.50 |

MEMBER LAYOUT:

| Id | Locate (ft) | Part | ---Web (in)--- Depth | ---Flange (in)--- Thick | Width | Thick | Length (ft) | Weight (lb) | Id | Max Load UC | Report |
|--------|-------------|--------|-------------------------|----------------------------|-------|-------|-------------|-------------|----|-------------|---------|
| Col12 | 0.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 16.9 | 37.0 | 17 | 0.18 | Mom+Axl |
| Col13 | 16.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 16.9 | 37.0 | 1 | 0.13 | Mom+Axl |
| Col14 | 33.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 16.9 | 37.0 | 1 | 0.14 | Mom+Axl |
| Col15 | 50.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 16.9 | 37.0 | 1 | 0.14 | Mom+Axl |
| Col16 | 67.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 16.9 | 37.0 | 1 | 0.14 | Mom+Axl |
| Col17 | 84.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 16.9 | 37.0 | 1 | 0.13 | Mom+Axl |
| Col18 | 100.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 16.9 | 37.0 | 17 | 0.18 | Mom+Axl |
| Raf1 | | PB6EC | 6.13 | 16ga | 2.06 | 16ga | 16.0 | 33.6 | | | |
| Raf2 | | PB6EC | 6.13 | 16ga | 2.06 | 16ga | 17.0 | 35.7 | | | |
| Raf3 | | PB6EC | 6.13 | 16ga | 2.06 | 16ga | 17.0 | 35.7 | | | |
| Raf4 | | PB6EC | 6.13 | 16ga | 2.06 | 16ga | 17.0 | 35.7 | | | |
| Raf5 | | PB6EC | 6.13 | 16ga | 2.06 | 16ga | 17.0 | 35.7 | | | |
| Raf6 | | PB6EC | 6.13 | 16ga | 2.06 | 16ga | 16.0 | 33.6 | | | |
| Total= | | | | | | | | 468.7 | | | |

DESIGN ACTIONS/STRENGTH:

| Id | Load Id | -Axial (k)- | | -Shear (k)- | | Moment (f-k) | | -----Unity Check----- | | | |
|-------|---------|--------------|-------|--------------|-------|---------------|-------|-----------------------|-------|--------|--------|
| | | Calc | Limit | Calc | Limit | Calc | Limit | Axial | Shear | Moment | Shear+ |
| Col12 | 1 | 0.50 | 6.06 | 0.00 | 3.32 | 0.00 | 2.50 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col12 | 2 | 0.10 | 6.06 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col12 | 3 | 0.37 | 6.06 | 0.00 | 3.32 | 0.00 | 2.50 | 0.06 | 0.00 | 0.06 | 0.00 |
| Col12 | 4 | 0.37 | 6.06 | 0.00 | 3.32 | 0.00 | 2.50 | 0.06 | 0.00 | 0.06 | 0.00 |
| Col12 | 5 | 0.40 | 6.06 | 0.00 | 3.32 | 0.00 | 2.50 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col12 | 6 | 0.30 | 6.06 | 0.00 | 3.32 | 0.00 | 2.50 | 0.05 | 0.00 | 0.05 | 0.00 |
| Col12 | 7 | 0.30 | 6.06 | 0.00 | 3.32 | 0.00 | 2.50 | 0.05 | 0.00 | 0.05 | 0.00 |
| Col12 | 8 | -0.18 | 21.18 | 0.08 | 3.32 | -0.35 | 2.50 | 0.01 | 0.03 | 0.13 | 0.00 |
| Col12 | 9 | -0.06 | 21.18 | 0.08 | 3.32 | -0.35 | 2.50 | 0.00 | 0.03 | 0.14 | 0.00 |
| Col12 | 10 | -0.18 | 21.18 | -0.10 | 3.32 | 0.42 | 2.50 | 0.01 | 0.03 | 0.16 | 0.00 |
| Col12 | 11 | -0.06 | 21.18 | -0.10 | 3.32 | 0.42 | 2.50 | 0.00 | 0.03 | 0.16 | 0.00 |
| Col12 | 12 | -0.18 | 21.18 | -0.10 | 3.32 | 0.42 | 2.50 | 0.01 | 0.03 | 0.16 | 0.00 |
| Col12 | 13 | -0.06 | 21.18 | -0.10 | 3.32 | 0.42 | 2.50 | 0.00 | 0.03 | 0.16 | 0.00 |
| Col12 | 14 | -0.10 | 21.18 | -0.10 | 3.32 | 0.42 | 2.50 | 0.00 | 0.03 | 0.16 | 0.00 |
| Col12 | 15 | 0.02 | 6.06 | -0.10 | 3.32 | 0.42 | 2.50 | 0.00 | 0.03 | 0.17 | 0.00 |
| Col12 | 16 | 0.26 | 6.06 | -0.07 | 3.32 | 0.31 | 2.50 | 0.04 | 0.02 | 0.17 | 0.00 |
| Col12 | 17 | 0.35 | 6.06 | -0.07 | 3.32 | 0.31 | 2.50 | 0.06 | 0.02 | 0.18 | 0.00 |
| Col12 | 18 | 0.20 | 6.06 | -0.07 | 3.32 | 0.31 | 2.50 | 0.03 | 0.02 | 0.16 | 0.00 |
| Col12 | 19 | 0.29 | 6.06 | -0.07 | 3.32 | 0.31 | 2.50 | 0.05 | 0.02 | 0.17 | 0.00 |
| Col12 | 20 | 0.16 | 6.06 | -0.07 | 3.32 | 0.31 | 2.50 | 0.03 | 0.02 | 0.15 | 0.00 |
| Col12 | 21 | 0.25 | 6.06 | -0.07 | 3.32 | 0.31 | 2.50 | 0.04 | 0.02 | 0.17 | 0.00 |
| Col12 | 22 | 0.10 | 6.06 | -0.07 | 3.32 | 0.31 | 2.50 | 0.02 | 0.02 | 0.14 | 0.00 |
| Col12 | 23 | 0.19 | 6.06 | -0.07 | 3.32 | 0.31 | 2.50 | 0.03 | 0.02 | 0.16 | 0.00 |
| Col12 | 24 | 0.16 | 6.06 | -0.07 | 3.32 | 0.31 | 2.50 | 0.03 | 0.02 | 0.15 | 0.00 |
| Col12 | 25 | 0.25 | 6.06 | -0.07 | 3.32 | 0.31 | 2.50 | 0.04 | 0.02 | 0.17 | 0.00 |
| Col12 | 26 | 0.10 | 6.06 | -0.07 | 3.32 | 0.31 | 2.50 | 0.02 | 0.02 | 0.14 | 0.00 |
| Col12 | 27 | 0.19 | 6.06 | -0.07 | 3.32 | 0.31 | 2.50 | 0.03 | 0.02 | 0.16 | 0.00 |

| | | | | | | | | | | | |
|-------|----|-------|-------|-------|------|-------|------|------|------|------|------|
| Col12 | 28 | -0.20 | 21.18 | 0.08 | 3.32 | -0.35 | 2.50 | 0.01 | 0.03 | 0.13 | 0.00 |
| Col12 | 29 | -0.08 | 21.18 | 0.08 | 3.32 | -0.35 | 2.50 | 0.00 | 0.03 | 0.14 | 0.00 |
| Col12 | 30 | -0.20 | 21.18 | -0.10 | 3.32 | 0.42 | 2.50 | 0.01 | 0.03 | 0.16 | 0.00 |
| Col12 | 31 | -0.08 | 21.18 | -0.10 | 3.32 | 0.42 | 2.50 | 0.00 | 0.03 | 0.16 | 0.00 |
| Col12 | 32 | -0.20 | 21.18 | -0.10 | 3.32 | 0.42 | 2.50 | 0.01 | 0.03 | 0.16 | 0.00 |
| Col12 | 33 | -0.08 | 21.18 | -0.10 | 3.32 | 0.42 | 2.50 | 0.00 | 0.03 | 0.16 | 0.00 |
| Col12 | 34 | -0.11 | 21.18 | -0.10 | 3.32 | 0.42 | 2.50 | 0.01 | 0.03 | 0.16 | 0.00 |
| Col12 | 35 | 0.00 | 6.06 | -0.10 | 3.32 | 0.42 | 2.50 | 0.00 | 0.03 | 0.17 | 0.00 |
| Col12 | 36 | 0.11 | 6.06 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col12 | 37 | 0.11 | 6.06 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col12 | 38 | 0.40 | 6.06 | 0.00 | 3.32 | 0.00 | 2.50 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col12 | 39 | 0.40 | 6.06 | 0.00 | 3.32 | 0.00 | 2.50 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col12 | 40 | 0.31 | 6.06 | 0.00 | 3.32 | 0.00 | 2.50 | 0.05 | 0.00 | 0.05 | 0.00 |
| Col12 | 41 | 0.31 | 6.06 | 0.00 | 3.32 | 0.00 | 2.50 | 0.05 | 0.00 | 0.05 | 0.00 |
| Col12 | 42 | 0.31 | 6.06 | 0.00 | 3.32 | 0.00 | 2.50 | 0.05 | 0.00 | 0.05 | 0.00 |
| Col12 | 43 | 0.31 | 6.06 | 0.00 | 3.32 | 0.00 | 2.50 | 0.05 | 0.00 | 0.05 | 0.00 |
| Col12 | 44 | 0.08 | 6.06 | 0.00 | 3.32 | 0.00 | 2.50 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col12 | 45 | 0.08 | 6.06 | 0.00 | 3.32 | 0.00 | 2.50 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col12 | 46 | 0.42 | 6.06 | 0.00 | 3.32 | 0.00 | 2.50 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col12 | 47 | 0.20 | 6.06 | -0.07 | 3.32 | 0.31 | 2.50 | 0.03 | 0.02 | 0.16 | 0.00 |
| Col12 | 48 | 0.29 | 6.06 | -0.07 | 3.32 | 0.31 | 2.50 | 0.05 | 0.02 | 0.17 | 0.00 |
| Col12 | 49 | 0.10 | 6.06 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col12 | 50 | 0.10 | 6.06 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col12 | 51 | 0.08 | 6.06 | 0.00 | 3.32 | 0.00 | 2.50 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col12 | 52 | 0.08 | 6.06 | 0.00 | 3.32 | 0.00 | 2.50 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col13 | 1 | 1.00 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.13 | 0.00 | 0.13 | 0.00 |
| Col13 | 2 | 0.17 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col13 | 3 | 0.73 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col13 | 4 | 0.73 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col13 | 5 | 0.79 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col13 | 6 | 0.59 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col13 | 7 | 0.59 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col13 | 8 | -0.41 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col13 | 9 | -0.17 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col13 | 10 | -0.41 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col13 | 11 | -0.17 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col13 | 12 | -0.41 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col13 | 13 | -0.17 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col13 | 14 | -0.24 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col13 | 15 | 0.00 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col13 | 16 | 0.50 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col13 | 17 | 0.68 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col13 | 18 | 0.37 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.05 | 0.00 | 0.05 | 0.00 |
| Col13 | 19 | 0.55 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col13 | 20 | 0.29 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.04 | 0.00 | 0.04 | 0.00 |
| Col13 | 21 | 0.47 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.06 | 0.00 | 0.06 | 0.00 |
| Col13 | 22 | 0.17 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col13 | 23 | 0.35 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.05 | 0.00 | 0.05 | 0.00 |
| Col13 | 24 | 0.29 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.04 | 0.00 | 0.04 | 0.00 |
| Col13 | 25 | 0.47 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.06 | 0.00 | 0.06 | 0.00 |
| Col13 | 26 | 0.17 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col13 | 27 | 0.35 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.05 | 0.00 | 0.05 | 0.00 |
| Col13 | 28 | -0.44 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col13 | 29 | -0.20 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col13 | 30 | -0.44 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col13 | 31 | -0.20 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col13 | 32 | -0.44 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col13 | 33 | -0.20 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col13 | 34 | -0.27 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col13 | 35 | -0.03 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col13 | 36 | 0.18 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col13 | 37 | 0.18 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col13 | 38 | 0.80 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col13 | 39 | 0.80 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col13 | 40 | 0.59 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.08 | 0.00 | 0.08 | 0.00 |

| | | | | | | | | | | | |
|-------|----|-------|-------|------|------|------|------|------|------|------|------|
| Col13 | 41 | 0.59 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col13 | 42 | 0.59 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col13 | 43 | 0.59 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col13 | 44 | 0.12 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col13 | 45 | 0.12 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col13 | 46 | 0.83 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.11 | 0.00 | 0.11 | 0.00 |
| Col13 | 47 | 0.37 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.05 | 0.00 | 0.05 | 0.00 |
| Col13 | 48 | 0.55 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col13 | 49 | 0.17 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col13 | 50 | 0.17 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col13 | 51 | 0.12 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col13 | 52 | 0.12 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col14 | 1 | 1.03 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.14 | 0.00 | 0.14 | 0.00 |
| Col14 | 2 | 0.18 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col14 | 3 | 0.75 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col14 | 4 | 0.75 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col14 | 5 | 0.82 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.11 | 0.00 | 0.11 | 0.00 |
| Col14 | 6 | 0.61 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col14 | 7 | 0.61 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col14 | 8 | -0.42 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col14 | 9 | -0.18 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col14 | 10 | -0.42 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col14 | 11 | -0.18 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col14 | 12 | -0.42 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col14 | 13 | -0.18 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col14 | 14 | -0.25 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col14 | 15 | 0.00 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col14 | 16 | 0.51 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col14 | 17 | 0.70 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col14 | 18 | 0.38 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.05 | 0.00 | 0.05 | 0.00 |
| Col14 | 19 | 0.57 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col14 | 20 | 0.30 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.04 | 0.00 | 0.04 | 0.00 |
| Col14 | 21 | 0.49 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.06 | 0.00 | 0.06 | 0.00 |
| Col14 | 22 | 0.17 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col14 | 23 | 0.36 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.05 | 0.00 | 0.05 | 0.00 |
| Col14 | 24 | 0.30 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.04 | 0.00 | 0.04 | 0.00 |
| Col14 | 25 | 0.49 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.06 | 0.00 | 0.06 | 0.00 |
| Col14 | 26 | 0.17 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col14 | 27 | 0.36 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.05 | 0.00 | 0.05 | 0.00 |
| Col14 | 28 | -0.46 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col14 | 29 | -0.21 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col14 | 30 | -0.46 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col14 | 31 | -0.21 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col14 | 32 | -0.46 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col14 | 33 | -0.21 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col14 | 34 | -0.28 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col14 | 35 | -0.04 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col14 | 36 | 0.18 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col14 | 37 | 0.18 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col14 | 38 | 0.82 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.11 | 0.00 | 0.11 | 0.00 |
| Col14 | 39 | 0.82 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.11 | 0.00 | 0.11 | 0.00 |
| Col14 | 40 | 0.61 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col14 | 41 | 0.61 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col14 | 42 | 0.61 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col14 | 43 | 0.61 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col14 | 44 | 0.12 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col14 | 45 | 0.12 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col14 | 46 | 0.86 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.11 | 0.00 | 0.11 | 0.00 |
| Col14 | 47 | 0.38 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.05 | 0.00 | 0.05 | 0.00 |
| Col14 | 48 | 0.57 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col14 | 49 | 0.18 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col14 | 50 | 0.18 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col14 | 51 | 0.12 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col14 | 52 | 0.12 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col15 | 1 | 1.03 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.14 | 0.00 | 0.14 | 0.00 |

| | | | | | | | | | | | |
|-------|----|-------|-------|-------|------|-------|------|------|------|------|------|
| Col17 | 28 | -0.44 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col17 | 29 | -0.20 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col17 | 30 | -0.44 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col17 | 31 | -0.20 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col17 | 32 | -0.44 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col17 | 33 | -0.20 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col17 | 34 | -0.27 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col17 | 35 | -0.03 | 21.18 | 0.00 | 3.32 | 0.00 | 2.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col17 | 36 | 0.18 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col17 | 37 | 0.18 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col17 | 38 | 0.80 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col17 | 39 | 0.80 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col17 | 40 | 0.59 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col17 | 41 | 0.59 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col17 | 42 | 0.59 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col17 | 43 | 0.59 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col17 | 44 | 0.12 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col17 | 45 | 0.12 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col17 | 46 | 0.83 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.11 | 0.00 | 0.11 | 0.00 |
| Col17 | 47 | 0.37 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.05 | 0.00 | 0.05 | 0.00 |
| Col17 | 48 | 0.55 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col17 | 49 | 0.17 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col17 | 50 | 0.17 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col17 | 51 | 0.12 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col17 | 52 | 0.12 | 7.59 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col18 | 1 | 0.50 | 6.06 | 0.00 | 3.32 | 0.00 | 2.50 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col18 | 2 | 0.10 | 6.06 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col18 | 3 | 0.37 | 6.06 | 0.00 | 3.32 | 0.00 | 2.50 | 0.06 | 0.00 | 0.06 | 0.00 |
| Col18 | 4 | 0.37 | 6.06 | 0.00 | 3.32 | 0.00 | 2.50 | 0.06 | 0.00 | 0.06 | 0.00 |
| Col18 | 5 | 0.40 | 6.06 | 0.00 | 3.32 | 0.00 | 2.50 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col18 | 6 | 0.30 | 6.06 | 0.00 | 3.32 | 0.00 | 2.50 | 0.05 | 0.00 | 0.05 | 0.00 |
| Col18 | 7 | 0.30 | 6.06 | 0.00 | 3.32 | 0.00 | 2.50 | 0.05 | 0.00 | 0.05 | 0.00 |
| Col18 | 8 | -0.18 | 21.18 | 0.08 | 3.32 | -0.35 | 2.50 | 0.01 | 0.03 | 0.13 | 0.00 |
| Col18 | 9 | -0.06 | 21.18 | 0.08 | 3.32 | -0.35 | 2.50 | 0.00 | 0.03 | 0.14 | 0.00 |
| Col18 | 10 | -0.18 | 21.18 | -0.10 | 3.32 | 0.42 | 2.50 | 0.01 | 0.03 | 0.16 | 0.00 |
| Col18 | 11 | -0.06 | 21.18 | -0.10 | 3.32 | 0.42 | 2.50 | 0.00 | 0.03 | 0.16 | 0.00 |
| Col18 | 12 | -0.18 | 21.18 | -0.10 | 3.32 | 0.42 | 2.50 | 0.01 | 0.03 | 0.16 | 0.00 |
| Col18 | 13 | -0.06 | 21.18 | -0.10 | 3.32 | 0.42 | 2.50 | 0.00 | 0.03 | 0.16 | 0.00 |
| Col18 | 14 | -0.10 | 21.18 | -0.10 | 3.32 | 0.42 | 2.50 | 0.00 | 0.03 | 0.16 | 0.00 |
| Col18 | 15 | 0.02 | 6.06 | -0.10 | 3.32 | 0.42 | 2.50 | 0.00 | 0.03 | 0.17 | 0.00 |
| Col18 | 16 | 0.26 | 6.06 | -0.07 | 3.32 | 0.31 | 2.50 | 0.04 | 0.02 | 0.17 | 0.00 |
| Col18 | 17 | 0.35 | 6.06 | -0.07 | 3.32 | 0.31 | 2.50 | 0.06 | 0.02 | 0.18 | 0.00 |
| Col18 | 18 | 0.20 | 6.06 | -0.07 | 3.32 | 0.31 | 2.50 | 0.03 | 0.02 | 0.16 | 0.00 |
| Col18 | 19 | 0.29 | 6.06 | -0.07 | 3.32 | 0.31 | 2.50 | 0.05 | 0.02 | 0.17 | 0.00 |
| Col18 | 20 | 0.16 | 6.06 | -0.07 | 3.32 | 0.31 | 2.50 | 0.03 | 0.02 | 0.15 | 0.00 |
| Col18 | 21 | 0.25 | 6.06 | -0.07 | 3.32 | 0.31 | 2.50 | 0.04 | 0.02 | 0.17 | 0.00 |
| Col18 | 22 | 0.10 | 6.06 | -0.07 | 3.32 | 0.31 | 2.50 | 0.02 | 0.02 | 0.14 | 0.00 |
| Col18 | 23 | 0.19 | 6.06 | -0.07 | 3.32 | 0.31 | 2.50 | 0.03 | 0.02 | 0.16 | 0.00 |
| Col18 | 24 | 0.16 | 6.06 | -0.07 | 3.32 | 0.31 | 2.50 | 0.03 | 0.02 | 0.15 | 0.00 |
| Col18 | 25 | 0.25 | 6.06 | -0.07 | 3.32 | 0.31 | 2.50 | 0.04 | 0.02 | 0.17 | 0.00 |
| Col18 | 26 | 0.10 | 6.06 | -0.07 | 3.32 | 0.31 | 2.50 | 0.02 | 0.02 | 0.14 | 0.00 |
| Col18 | 27 | 0.19 | 6.06 | -0.07 | 3.32 | 0.31 | 2.50 | 0.03 | 0.02 | 0.16 | 0.00 |
| Col18 | 28 | -0.20 | 21.18 | 0.08 | 3.32 | -0.35 | 2.50 | 0.01 | 0.03 | 0.13 | 0.00 |
| Col18 | 29 | -0.08 | 21.18 | 0.08 | 3.32 | -0.35 | 2.50 | 0.00 | 0.03 | 0.14 | 0.00 |
| Col18 | 30 | -0.20 | 21.18 | -0.10 | 3.32 | 0.42 | 2.50 | 0.01 | 0.03 | 0.16 | 0.00 |
| Col18 | 31 | -0.08 | 21.18 | -0.10 | 3.32 | 0.42 | 2.50 | 0.00 | 0.03 | 0.16 | 0.00 |
| Col18 | 32 | -0.20 | 21.18 | -0.10 | 3.32 | 0.42 | 2.50 | 0.01 | 0.03 | 0.16 | 0.00 |
| Col18 | 33 | -0.08 | 21.18 | -0.10 | 3.32 | 0.42 | 2.50 | 0.00 | 0.03 | 0.16 | 0.00 |
| Col18 | 34 | -0.11 | 21.18 | -0.10 | 3.32 | 0.42 | 2.50 | 0.01 | 0.03 | 0.16 | 0.00 |
| Col18 | 35 | 0.00 | 6.06 | -0.10 | 3.32 | 0.42 | 2.50 | 0.00 | 0.03 | 0.17 | 0.00 |
| Col18 | 36 | 0.11 | 6.06 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col18 | 37 | 0.11 | 6.06 | 0.00 | 3.32 | 0.00 | 2.50 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col18 | 38 | 0.40 | 6.06 | 0.00 | 3.32 | 0.00 | 2.50 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col18 | 39 | 0.40 | 6.06 | 0.00 | 3.32 | 0.00 | 2.50 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col18 | 40 | 0.31 | 6.06 | 0.00 | 3.32 | 0.00 | 2.50 | 0.05 | 0.00 | 0.05 | 0.00 |

COLUMN REACTIONS:

| Id | Load | | In_Plane | Out_Plane |
|-------|------|----------|----------|-----------|
| | Id | Vert(k) | Horz(k) | Horz(k) |
| Col12 | 1 | 0.50 | 0.00 | 0.00 |
| Col12 | 2 | 0.10 | 0.00 | 0.00 |
| Col12 | 3 | 0.37 | 0.00 | 0.00 |
| Col12 | 4 | 0.37 | 0.00 | 0.00 |
| Col12 | 5 | 0.40 | 0.00 | 0.00 |
| Col12 | 6 | 0.30 | 0.00 | 0.00 |
| Col12 | 7 | 0.30 | 0.00 | 0.00 |
| Col12 | 8 | -0.18 | 0.00 | -0.08 |
| Col12 | 9 | -0.06 | 0.00 | -0.08 |
| Col12 | 10 | -0.18 | 0.00 | 0.10 |
| Col12 | 11 | -0.06 | 0.00 | 0.10 |
| Col12 | 12 | -0.18 | 0.00 | 0.10 |
| Col12 | 13 | -0.06 | 0.00 | 0.10 |
| Col12 | 14 | -0.10 | 0.00 | 0.10 |
| Col12 | 15 | 0.02 | 0.00 | 0.10 |
| Col12 | 16 | 0.26 | 0.00 | 0.07 |
| Col12 | 17 | 0.35 | 0.00 | 0.07 |
| Col12 | 18 | 0.20 | 0.00 | 0.07 |
| Col12 | 19 | 0.29 | 0.00 | 0.07 |
| Col12 | 20 | 0.16 | 0.00 | 0.07 |
| Col12 | 21 | 0.25 | 0.00 | 0.07 |
| Col12 | 22 | 0.10 | 0.00 | 0.07 |
| Col12 | 23 | 0.19 | 0.00 | 0.07 |
| Col12 | 24 | 0.16 | 0.00 | 0.07 |
| Col12 | 25 | 0.25 | 0.00 | 0.07 |
| Col12 | 26 | 0.10 | 0.00 | 0.07 |
| Col12 | 27 | 0.19 | 0.00 | 0.07 |
| Col12 | 28 | -0.20 | 0.00 | -0.08 |
| Col12 | 29 | -0.08 | 0.00 | -0.08 |
| Col12 | 30 | -0.20 | 0.00 | 0.10 |
| Col12 | 31 | -0.08 | 0.00 | 0.10 |
| Col12 | 32 | -0.20 | 0.00 | 0.10 |
| Col12 | 33 | -0.08 | 0.00 | 0.10 |
| Col12 | 34 | -0.11 | 0.00 | 0.10 |
| Col12 | 35 | 0.00 | 0.00 | 0.10 |
| Col12 | 36 | 0.11 | 0.00 | 0.00 |
| Col12 | 37 | 0.11 | 0.00 | 0.00 |
| Col12 | 38 | 0.40 | 0.00 | 0.00 |
| Col12 | 39 | 0.40 | 0.00 | 0.00 |
| Col12 | 40 | 0.31 | 0.00 | 0.00 |
| Col12 | 41 | 0.31 | 0.00 | 0.00 |
| Col12 | 42 | 0.31 | 0.00 | 0.00 |
| Col12 | 43 | 0.31 | 0.00 | 0.00 |
| Col12 | 44 | 0.08 | 0.00 | 0.00 |
| Col12 | 45 | 0.08 | 0.00 | 0.00 |
| Col12 | 46 | 0.42 | 0.00 | 0.00 |
| Col12 | 47 | 0.20 | 0.00 | 0.07 |
| Col12 | 48 | 0.29 | 0.00 | 0.07 |
| Col12 | 49 | 0.10 | 0.00 | 0.00 |
| Col12 | 50 | 0.10 | 0.00 | 0.00 |
| Col12 | 51 | 0.08 | 0.00 | 0.00 |
| Col12 | 52 | 0.08 | 0.00 | 0.00 |
| Col13 | 1 | 1.00 | 0.00 | 0.00 |
| Col13 | 2 | 0.17 | 0.00 | 0.00 |
| Col13 | 3 | 0.73 | 0.00 | 0.00 |
| Col13 | 4 | 0.73 | 0.00 | 0.00 |
| Col13 | 5 | 0.79 | 0.00 | 0.00 |
| Col13 | 6 | 0.59 | 0.00 | 0.00 |
| Col13 | 7 | 0.59 | 0.00 | 0.00 |

| | | | | |
|-------|----|-------|------|------|
| Col13 | 8 | -0.41 | 0.00 | 0.00 |
| Col13 | 9 | -0.17 | 0.00 | 0.00 |
| Col13 | 10 | -0.41 | 0.00 | 0.00 |
| Col13 | 11 | -0.17 | 0.00 | 0.00 |
| Col13 | 12 | -0.41 | 0.00 | 0.00 |
| Col13 | 13 | -0.17 | 0.00 | 0.00 |
| Col13 | 14 | -0.24 | 0.00 | 0.00 |
| Col13 | 15 | 0.00 | 0.00 | 0.00 |
| Col13 | 16 | 0.50 | 0.00 | 0.00 |
| Col13 | 17 | 0.68 | 0.00 | 0.00 |
| Col13 | 18 | 0.37 | 0.00 | 0.00 |
| Col13 | 19 | 0.55 | 0.00 | 0.00 |
| Col13 | 20 | 0.29 | 0.00 | 0.00 |
| Col13 | 21 | 0.47 | 0.00 | 0.00 |
| Col13 | 22 | 0.17 | 0.00 | 0.00 |
| Col13 | 23 | 0.35 | 0.00 | 0.00 |
| Col13 | 24 | 0.29 | 0.00 | 0.00 |
| Col13 | 25 | 0.47 | 0.00 | 0.00 |
| Col13 | 26 | 0.17 | 0.00 | 0.00 |
| Col13 | 27 | 0.35 | 0.00 | 0.00 |
| Col13 | 28 | -0.44 | 0.00 | 0.00 |
| Col13 | 29 | -0.20 | 0.00 | 0.00 |
| Col13 | 30 | -0.44 | 0.00 | 0.00 |
| Col13 | 31 | -0.20 | 0.00 | 0.00 |
| Col13 | 32 | -0.44 | 0.00 | 0.00 |
| Col13 | 33 | -0.20 | 0.00 | 0.00 |
| Col13 | 34 | -0.27 | 0.00 | 0.00 |
| Col13 | 35 | -0.03 | 0.00 | 0.00 |
| Col13 | 36 | 0.18 | 0.00 | 0.00 |
| Col13 | 37 | 0.18 | 0.00 | 0.00 |
| Col13 | 38 | 0.80 | 0.00 | 0.00 |
| Col13 | 39 | 0.80 | 0.00 | 0.00 |
| Col13 | 40 | 0.59 | 0.00 | 0.00 |
| Col13 | 41 | 0.59 | 0.00 | 0.00 |
| Col13 | 42 | 0.59 | 0.00 | 0.00 |
| Col13 | 43 | 0.59 | 0.00 | 0.00 |
| Col13 | 44 | 0.12 | 0.00 | 0.00 |
| Col13 | 45 | 0.12 | 0.00 | 0.00 |
| Col13 | 46 | 0.83 | 0.00 | 0.00 |
| Col13 | 47 | 0.37 | 0.00 | 0.00 |
| Col13 | 48 | 0.55 | 0.00 | 0.00 |
| Col13 | 49 | 0.17 | 0.00 | 0.00 |
| Col13 | 50 | 0.17 | 0.00 | 0.00 |
| Col13 | 51 | 0.12 | 0.00 | 0.00 |
| Col13 | 52 | 0.12 | 0.00 | 0.00 |
| Col14 | 1 | 1.03 | 0.00 | 0.00 |
| Col14 | 2 | 0.18 | 0.00 | 0.00 |
| Col14 | 3 | 0.75 | 0.00 | 0.00 |
| Col14 | 4 | 0.75 | 0.00 | 0.00 |
| Col14 | 5 | 0.82 | 0.00 | 0.00 |
| Col14 | 6 | 0.61 | 0.00 | 0.00 |
| Col14 | 7 | 0.61 | 0.00 | 0.00 |
| Col14 | 8 | -0.42 | 0.00 | 0.00 |
| Col14 | 9 | -0.18 | 0.00 | 0.00 |
| Col14 | 10 | -0.42 | 0.00 | 0.00 |
| Col14 | 11 | -0.18 | 0.00 | 0.00 |
| Col14 | 12 | -0.42 | 0.00 | 0.00 |
| Col14 | 13 | -0.18 | 0.00 | 0.00 |
| Col14 | 14 | -0.25 | 0.00 | 0.00 |
| Col14 | 15 | 0.00 | 0.00 | 0.00 |
| Col14 | 16 | 0.51 | 0.00 | 0.00 |
| Col14 | 17 | 0.70 | 0.00 | 0.00 |
| Col14 | 18 | 0.38 | 0.00 | 0.00 |
| Col14 | 19 | 0.57 | 0.00 | 0.00 |
| Col14 | 20 | 0.30 | 0.00 | 0.00 |

| | | | | |
|-------|----|-------|------|------|
| Col14 | 21 | 0.49 | 0.00 | 0.00 |
| Col14 | 22 | 0.17 | 0.00 | 0.00 |
| Col14 | 23 | 0.36 | 0.00 | 0.00 |
| Col14 | 24 | 0.30 | 0.00 | 0.00 |
| Col14 | 25 | 0.49 | 0.00 | 0.00 |
| Col14 | 26 | 0.17 | 0.00 | 0.00 |
| Col14 | 27 | 0.36 | 0.00 | 0.00 |
| Col14 | 28 | -0.46 | 0.00 | 0.00 |
| Col14 | 29 | -0.21 | 0.00 | 0.00 |
| Col14 | 30 | -0.46 | 0.00 | 0.00 |
| Col14 | 31 | -0.21 | 0.00 | 0.00 |
| Col14 | 32 | -0.46 | 0.00 | 0.00 |
| Col14 | 33 | -0.21 | 0.00 | 0.00 |
| Col14 | 34 | -0.28 | 0.00 | 0.00 |
| Col14 | 35 | -0.04 | 0.00 | 0.00 |
| Col14 | 36 | 0.18 | 0.00 | 0.00 |
| Col14 | 37 | 0.18 | 0.00 | 0.00 |
| Col14 | 38 | 0.82 | 0.00 | 0.00 |
| Col14 | 39 | 0.82 | 0.00 | 0.00 |
| Col14 | 40 | 0.61 | 0.00 | 0.00 |
| Col14 | 41 | 0.61 | 0.00 | 0.00 |
| Col14 | 42 | 0.61 | 0.00 | 0.00 |
| Col14 | 43 | 0.61 | 0.00 | 0.00 |
| Col14 | 44 | 0.12 | 0.00 | 0.00 |
| Col14 | 45 | 0.12 | 0.00 | 0.00 |
| Col14 | 46 | 0.86 | 0.00 | 0.00 |
| Col14 | 47 | 0.38 | 0.00 | 0.00 |
| Col14 | 48 | 0.57 | 0.00 | 0.00 |
| Col14 | 49 | 0.18 | 0.00 | 0.00 |
| Col14 | 50 | 0.18 | 0.00 | 0.00 |
| Col14 | 51 | 0.12 | 0.00 | 0.00 |
| Col14 | 52 | 0.12 | 0.00 | 0.00 |
| Col15 | 1 | 1.03 | 0.00 | 0.00 |
| Col15 | 2 | 0.18 | 0.00 | 0.00 |
| Col15 | 3 | 0.75 | 0.00 | 0.00 |
| Col15 | 4 | 0.75 | 0.00 | 0.00 |
| Col15 | 5 | 0.82 | 0.00 | 0.00 |
| Col15 | 6 | 0.61 | 0.00 | 0.00 |
| Col15 | 7 | 0.61 | 0.00 | 0.00 |
| Col15 | 8 | -0.42 | 0.00 | 0.00 |
| Col15 | 9 | -0.18 | 0.00 | 0.00 |
| Col15 | 10 | -0.42 | 0.00 | 0.00 |
| Col15 | 11 | -0.18 | 0.00 | 0.00 |
| Col15 | 12 | -0.42 | 0.00 | 0.00 |
| Col15 | 13 | -0.18 | 0.00 | 0.00 |
| Col15 | 14 | -0.25 | 0.00 | 0.00 |
| Col15 | 15 | 0.00 | 0.00 | 0.00 |
| Col15 | 16 | 0.51 | 0.00 | 0.00 |
| Col15 | 17 | 0.70 | 0.00 | 0.00 |
| Col15 | 18 | 0.38 | 0.00 | 0.00 |
| Col15 | 19 | 0.57 | 0.00 | 0.00 |
| Col15 | 20 | 0.30 | 0.00 | 0.00 |
| Col15 | 21 | 0.49 | 0.00 | 0.00 |
| Col15 | 22 | 0.17 | 0.00 | 0.00 |
| Col15 | 23 | 0.36 | 0.00 | 0.00 |
| Col15 | 24 | 0.30 | 0.00 | 0.00 |
| Col15 | 25 | 0.49 | 0.00 | 0.00 |
| Col15 | 26 | 0.17 | 0.00 | 0.00 |
| Col15 | 27 | 0.36 | 0.00 | 0.00 |
| Col15 | 28 | -0.46 | 0.00 | 0.00 |
| Col15 | 29 | -0.21 | 0.00 | 0.00 |
| Col15 | 30 | -0.46 | 0.00 | 0.00 |
| Col15 | 31 | -0.21 | 0.00 | 0.00 |
| Col15 | 32 | -0.46 | 0.00 | 0.00 |
| Col15 | 33 | -0.21 | 0.00 | 0.00 |

| | | | | |
|-------|----|-------|------|------|
| Col15 | 34 | -0.28 | 0.00 | 0.00 |
| Col15 | 35 | -0.04 | 0.00 | 0.00 |
| Col15 | 36 | 0.18 | 0.00 | 0.00 |
| Col15 | 37 | 0.18 | 0.00 | 0.00 |
| Col15 | 38 | 0.82 | 0.00 | 0.00 |
| Col15 | 39 | 0.82 | 0.00 | 0.00 |
| Col15 | 40 | 0.61 | 0.00 | 0.00 |
| Col15 | 41 | 0.61 | 0.00 | 0.00 |
| Col15 | 42 | 0.61 | 0.00 | 0.00 |
| Col15 | 43 | 0.61 | 0.00 | 0.00 |
| Col15 | 44 | 0.12 | 0.00 | 0.00 |
| Col15 | 45 | 0.12 | 0.00 | 0.00 |
| Col15 | 46 | 0.86 | 0.00 | 0.00 |
| Col15 | 47 | 0.38 | 0.00 | 0.00 |
| Col15 | 48 | 0.57 | 0.00 | 0.00 |
| Col15 | 49 | 0.18 | 0.00 | 0.00 |
| Col15 | 50 | 0.18 | 0.00 | 0.00 |
| Col15 | 51 | 0.12 | 0.00 | 0.00 |
| Col15 | 52 | 0.12 | 0.00 | 0.00 |
| Col16 | 1 | 1.03 | 0.00 | 0.00 |
| Col16 | 2 | 0.18 | 0.00 | 0.00 |
| Col16 | 3 | 0.75 | 0.00 | 0.00 |
| Col16 | 4 | 0.75 | 0.00 | 0.00 |
| Col16 | 5 | 0.82 | 0.00 | 0.00 |
| Col16 | 6 | 0.61 | 0.00 | 0.00 |
| Col16 | 7 | 0.61 | 0.00 | 0.00 |
| Col16 | 8 | -0.42 | 0.00 | 0.00 |
| Col16 | 9 | -0.18 | 0.00 | 0.00 |
| Col16 | 10 | -0.42 | 0.00 | 0.00 |
| Col16 | 11 | -0.18 | 0.00 | 0.00 |
| Col16 | 12 | -0.42 | 0.00 | 0.00 |
| Col16 | 13 | -0.18 | 0.00 | 0.00 |
| Col16 | 14 | -0.25 | 0.00 | 0.00 |
| Col16 | 15 | 0.00 | 0.00 | 0.00 |
| Col16 | 16 | 0.51 | 0.00 | 0.00 |
| Col16 | 17 | 0.70 | 0.00 | 0.00 |
| Col16 | 18 | 0.38 | 0.00 | 0.00 |
| Col16 | 19 | 0.57 | 0.00 | 0.00 |
| Col16 | 20 | 0.30 | 0.00 | 0.00 |
| Col16 | 21 | 0.49 | 0.00 | 0.00 |
| Col16 | 22 | 0.17 | 0.00 | 0.00 |
| Col16 | 23 | 0.36 | 0.00 | 0.00 |
| Col16 | 24 | 0.30 | 0.00 | 0.00 |
| Col16 | 25 | 0.49 | 0.00 | 0.00 |
| Col16 | 26 | 0.17 | 0.00 | 0.00 |
| Col16 | 27 | 0.36 | 0.00 | 0.00 |
| Col16 | 28 | -0.46 | 0.00 | 0.00 |
| Col16 | 29 | -0.21 | 0.00 | 0.00 |
| Col16 | 30 | -0.46 | 0.00 | 0.00 |
| Col16 | 31 | -0.21 | 0.00 | 0.00 |
| Col16 | 32 | -0.46 | 0.00 | 0.00 |
| Col16 | 33 | -0.21 | 0.00 | 0.00 |
| Col16 | 34 | -0.28 | 0.00 | 0.00 |
| Col16 | 35 | -0.04 | 0.00 | 0.00 |
| Col16 | 36 | 0.18 | 0.00 | 0.00 |
| Col16 | 37 | 0.18 | 0.00 | 0.00 |
| Col16 | 38 | 0.82 | 0.00 | 0.00 |
| Col16 | 39 | 0.82 | 0.00 | 0.00 |
| Col16 | 40 | 0.61 | 0.00 | 0.00 |
| Col16 | 41 | 0.61 | 0.00 | 0.00 |
| Col16 | 42 | 0.61 | 0.00 | 0.00 |
| Col16 | 43 | 0.61 | 0.00 | 0.00 |
| Col16 | 44 | 0.12 | 0.00 | 0.00 |
| Col16 | 45 | 0.12 | 0.00 | 0.00 |
| Col16 | 46 | 0.86 | 0.00 | 0.00 |

| | | | | |
|-------|----|-------|------|------|
| Col16 | 47 | 0.38 | 0.00 | 0.00 |
| Col16 | 48 | 0.57 | 0.00 | 0.00 |
| Col16 | 49 | 0.18 | 0.00 | 0.00 |
| Col16 | 50 | 0.18 | 0.00 | 0.00 |
| Col16 | 51 | 0.12 | 0.00 | 0.00 |
| Col16 | 52 | 0.12 | 0.00 | 0.00 |
| Col17 | 1 | 1.00 | 0.00 | 0.00 |
| Col17 | 2 | 0.17 | 0.00 | 0.00 |
| Col17 | 3 | 0.73 | 0.00 | 0.00 |
| Col17 | 4 | 0.73 | 0.00 | 0.00 |
| Col17 | 5 | 0.79 | 0.00 | 0.00 |
| Col17 | 6 | 0.59 | 0.00 | 0.00 |
| Col17 | 7 | 0.59 | 0.00 | 0.00 |
| Col17 | 8 | -0.41 | 0.00 | 0.00 |
| Col17 | 9 | -0.17 | 0.00 | 0.00 |
| Col17 | 10 | -0.41 | 0.00 | 0.00 |
| Col17 | 11 | -0.17 | 0.00 | 0.00 |
| Col17 | 12 | -0.41 | 0.00 | 0.00 |
| Col17 | 13 | -0.17 | 0.00 | 0.00 |
| Col17 | 14 | -0.24 | 0.00 | 0.00 |
| Col17 | 15 | 0.00 | 0.00 | 0.00 |
| Col17 | 16 | 0.50 | 0.00 | 0.00 |
| Col17 | 17 | 0.68 | 0.00 | 0.00 |
| Col17 | 18 | 0.37 | 0.00 | 0.00 |
| Col17 | 19 | 0.55 | 0.00 | 0.00 |
| Col17 | 20 | 0.29 | 0.00 | 0.00 |
| Col17 | 21 | 0.47 | 0.00 | 0.00 |
| Col17 | 22 | 0.17 | 0.00 | 0.00 |
| Col17 | 23 | 0.35 | 0.00 | 0.00 |
| Col17 | 24 | 0.29 | 0.00 | 0.00 |
| Col17 | 25 | 0.47 | 0.00 | 0.00 |
| Col17 | 26 | 0.17 | 0.00 | 0.00 |
| Col17 | 27 | 0.35 | 0.00 | 0.00 |
| Col17 | 28 | -0.44 | 0.00 | 0.00 |
| Col17 | 29 | -0.20 | 0.00 | 0.00 |
| Col17 | 30 | -0.44 | 0.00 | 0.00 |
| Col17 | 31 | -0.20 | 0.00 | 0.00 |
| Col17 | 32 | -0.44 | 0.00 | 0.00 |
| Col17 | 33 | -0.20 | 0.00 | 0.00 |
| Col17 | 34 | -0.27 | 0.00 | 0.00 |
| Col17 | 35 | -0.03 | 0.00 | 0.00 |
| Col17 | 36 | 0.18 | 0.00 | 0.00 |
| Col17 | 37 | 0.18 | 0.00 | 0.00 |
| Col17 | 38 | 0.80 | 0.00 | 0.00 |
| Col17 | 39 | 0.80 | 0.00 | 0.00 |
| Col17 | 40 | 0.59 | 0.00 | 0.00 |
| Col17 | 41 | 0.59 | 0.00 | 0.00 |
| Col17 | 42 | 0.59 | 0.00 | 0.00 |
| Col17 | 43 | 0.59 | 0.00 | 0.00 |
| Col17 | 44 | 0.12 | 0.00 | 0.00 |
| Col17 | 45 | 0.12 | 0.00 | 0.00 |
| Col17 | 46 | 0.83 | 0.00 | 0.00 |
| Col17 | 47 | 0.37 | 0.00 | 0.00 |
| Col17 | 48 | 0.55 | 0.00 | 0.00 |
| Col17 | 49 | 0.17 | 0.00 | 0.00 |
| Col17 | 50 | 0.17 | 0.00 | 0.00 |
| Col17 | 51 | 0.12 | 0.00 | 0.00 |
| Col17 | 52 | 0.12 | 0.00 | 0.00 |
| Col18 | 1 | 0.50 | 0.00 | 0.00 |
| Col18 | 2 | 0.10 | 0.00 | 0.00 |
| Col18 | 3 | 0.37 | 0.00 | 0.00 |
| Col18 | 4 | 0.37 | 0.00 | 0.00 |
| Col18 | 5 | 0.40 | 0.00 | 0.00 |
| Col18 | 6 | 0.30 | 0.00 | 0.00 |
| Col18 | 7 | 0.30 | 0.00 | 0.00 |

| | | | | |
|-------|----|-------|------|-------|
| Col18 | 8 | -0.18 | 0.00 | -0.08 |
| Col18 | 9 | -0.06 | 0.00 | -0.08 |
| Col18 | 10 | -0.18 | 0.00 | 0.10 |
| Col18 | 11 | -0.06 | 0.00 | 0.10 |
| Col18 | 12 | -0.18 | 0.00 | 0.10 |
| Col18 | 13 | -0.06 | 0.00 | 0.10 |
| Col18 | 14 | -0.10 | 0.00 | 0.10 |
| Col18 | 15 | 0.02 | 0.00 | 0.10 |
| Col18 | 16 | 0.26 | 0.00 | 0.07 |
| Col18 | 17 | 0.35 | 0.00 | 0.07 |
| Col18 | 18 | 0.20 | 0.00 | 0.07 |
| Col18 | 19 | 0.29 | 0.00 | 0.07 |
| Col18 | 20 | 0.16 | 0.00 | 0.07 |
| Col18 | 21 | 0.25 | 0.00 | 0.07 |
| Col18 | 22 | 0.10 | 0.00 | 0.07 |
| Col18 | 23 | 0.19 | 0.00 | 0.07 |
| Col18 | 24 | 0.16 | 0.00 | 0.07 |
| Col18 | 25 | 0.25 | 0.00 | 0.07 |
| Col18 | 26 | 0.10 | 0.00 | 0.07 |
| Col18 | 27 | 0.19 | 0.00 | 0.07 |
| Col18 | 28 | -0.20 | 0.00 | -0.08 |
| Col18 | 29 | -0.08 | 0.00 | -0.08 |
| Col18 | 30 | -0.20 | 0.00 | 0.10 |
| Col18 | 31 | -0.08 | 0.00 | 0.10 |
| Col18 | 32 | -0.20 | 0.00 | 0.10 |
| Col18 | 33 | -0.08 | 0.00 | 0.10 |
| Col18 | 34 | -0.11 | 0.00 | 0.10 |
| Col18 | 35 | 0.00 | 0.00 | 0.10 |
| Col18 | 36 | 0.11 | 0.00 | 0.00 |
| Col18 | 37 | 0.11 | 0.00 | 0.00 |
| Col18 | 38 | 0.40 | 0.00 | 0.00 |
| Col18 | 39 | 0.40 | 0.00 | 0.00 |
| Col18 | 40 | 0.31 | 0.00 | 0.00 |
| Col18 | 41 | 0.31 | 0.00 | 0.00 |
| Col18 | 42 | 0.31 | 0.00 | 0.00 |
| Col18 | 43 | 0.31 | 0.00 | 0.00 |
| Col18 | 44 | 0.08 | 0.00 | 0.00 |
| Col18 | 45 | 0.08 | 0.00 | 0.00 |
| Col18 | 46 | 0.42 | 0.00 | 0.00 |
| Col18 | 47 | 0.20 | 0.00 | 0.07 |
| Col18 | 48 | 0.29 | 0.00 | 0.07 |
| Col18 | 49 | 0.10 | 0.00 | 0.00 |
| Col18 | 50 | 0.10 | 0.00 | 0.00 |
| Col18 | 51 | 0.08 | 0.00 | 0.00 |
| Col18 | 52 | 0.08 | 0.00 | 0.00 |

COLUMN DEFLECTIONS:

| Id | Load | Deflection(in) | |
|-------|------|----------------|-------|
| | Id | Calc | Limit |
| Col12 | 1 | 0.00 | 1.13 |
| Col12 | 2 | 0.00 | 1.13 |
| Col12 | 3 | 0.00 | 1.13 |
| Col12 | 4 | 0.00 | 1.13 |
| Col12 | 5 | 0.00 | 1.13 |
| Col12 | 6 | 0.00 | 1.13 |
| Col12 | 7 | 0.00 | 1.13 |
| Col12 | 8 | -0.16 | 1.13 |
| Col12 | 9 | -0.16 | 1.13 |
| Col12 | 10 | 0.19 | 1.13 |
| Col12 | 11 | 0.19 | 1.13 |
| Col12 | 12 | 0.19 | 1.13 |
| Col12 | 13 | 0.19 | 1.13 |
| Col12 | 14 | 0.19 | 1.13 |

| | | | |
|-------|----|-------|------|
| Col12 | 15 | 0.19 | 1.13 |
| Col12 | 16 | 0.15 | 1.13 |
| Col12 | 17 | 0.15 | 1.13 |
| Col12 | 18 | 0.15 | 1.13 |
| Col12 | 19 | 0.15 | 1.13 |
| Col12 | 20 | 0.15 | 1.13 |
| Col12 | 21 | 0.15 | 1.13 |
| Col12 | 22 | 0.15 | 1.13 |
| Col12 | 23 | 0.15 | 1.13 |
| Col12 | 24 | 0.15 | 1.13 |
| Col12 | 25 | 0.15 | 1.13 |
| Col12 | 26 | 0.15 | 1.13 |
| Col12 | 27 | 0.15 | 1.13 |
| Col12 | 28 | -0.16 | 1.13 |
| Col12 | 29 | -0.16 | 1.13 |
| Col12 | 30 | 0.19 | 1.13 |
| Col12 | 31 | 0.19 | 1.13 |
| Col12 | 32 | 0.19 | 1.13 |
| Col12 | 33 | 0.19 | 1.13 |
| Col12 | 34 | 0.19 | 1.13 |
| Col12 | 35 | 0.19 | 1.13 |
| Col12 | 36 | 0.00 | 1.13 |
| Col12 | 37 | 0.00 | 1.13 |
| Col12 | 38 | 0.00 | 1.13 |
| Col12 | 39 | 0.00 | 1.13 |
| Col12 | 40 | 0.00 | 1.13 |
| Col12 | 41 | 0.00 | 1.13 |
| Col12 | 42 | 0.00 | 1.13 |
| Col12 | 43 | 0.00 | 1.13 |
| Col12 | 44 | 0.00 | 1.13 |
| Col12 | 45 | 0.00 | 1.13 |
| Col12 | 46 | 0.00 | 1.13 |
| Col12 | 47 | 0.09 | 1.13 |
| Col12 | 48 | 0.09 | 1.13 |
| Col13 | 1 | 0.00 | 1.13 |
| Col13 | 2 | 0.00 | 1.13 |
| Col13 | 3 | 0.00 | 1.13 |
| Col13 | 4 | 0.00 | 1.13 |
| Col13 | 5 | 0.00 | 1.13 |
| Col13 | 6 | 0.00 | 1.13 |
| Col13 | 7 | 0.00 | 1.13 |
| Col13 | 8 | 0.00 | 1.13 |
| Col13 | 9 | 0.00 | 1.13 |
| Col13 | 10 | 0.00 | 1.13 |
| Col13 | 11 | 0.00 | 1.13 |
| Col13 | 12 | 0.00 | 1.13 |
| Col13 | 13 | 0.00 | 1.13 |
| Col13 | 14 | 0.00 | 1.13 |
| Col13 | 15 | 0.00 | 1.13 |
| Col13 | 16 | 0.00 | 1.13 |
| Col13 | 17 | 0.00 | 1.13 |
| Col13 | 18 | 0.00 | 1.13 |
| Col13 | 19 | 0.00 | 1.13 |
| Col13 | 20 | 0.00 | 1.13 |
| Col13 | 21 | 0.00 | 1.13 |
| Col13 | 22 | 0.00 | 1.13 |
| Col13 | 23 | 0.00 | 1.13 |
| Col13 | 24 | 0.00 | 1.13 |
| Col13 | 25 | 0.00 | 1.13 |
| Col13 | 26 | 0.00 | 1.13 |
| Col13 | 27 | 0.00 | 1.13 |
| Col13 | 28 | 0.00 | 1.13 |
| Col13 | 29 | 0.00 | 1.13 |
| Col13 | 30 | 0.00 | 1.13 |
| Col13 | 31 | 0.00 | 1.13 |

| | | | |
|-------|----|------|------|
| Col13 | 32 | 0.00 | 1.13 |
| Col13 | 33 | 0.00 | 1.13 |
| Col13 | 34 | 0.00 | 1.13 |
| Col13 | 35 | 0.00 | 1.13 |
| Col13 | 36 | 0.00 | 1.13 |
| Col13 | 37 | 0.00 | 1.13 |
| Col13 | 38 | 0.00 | 1.13 |
| Col13 | 39 | 0.00 | 1.13 |
| Col13 | 40 | 0.00 | 1.13 |
| Col13 | 41 | 0.00 | 1.13 |
| Col13 | 42 | 0.00 | 1.13 |
| Col13 | 43 | 0.00 | 1.13 |
| Col13 | 44 | 0.00 | 1.13 |
| Col13 | 45 | 0.00 | 1.13 |
| Col13 | 46 | 0.00 | 1.13 |
| Col13 | 47 | 0.00 | 1.13 |
| Col13 | 48 | 0.00 | 1.13 |
| Col14 | 1 | 0.00 | 1.13 |
| Col14 | 2 | 0.00 | 1.13 |
| Col14 | 3 | 0.00 | 1.13 |
| Col14 | 4 | 0.00 | 1.13 |
| Col14 | 5 | 0.00 | 1.13 |
| Col14 | 6 | 0.00 | 1.13 |
| Col14 | 7 | 0.00 | 1.13 |
| Col14 | 8 | 0.00 | 1.13 |
| Col14 | 9 | 0.00 | 1.13 |
| Col14 | 10 | 0.00 | 1.13 |
| Col14 | 11 | 0.00 | 1.13 |
| Col14 | 12 | 0.00 | 1.13 |
| Col14 | 13 | 0.00 | 1.13 |
| Col14 | 14 | 0.00 | 1.13 |
| Col14 | 15 | 0.00 | 1.13 |
| Col14 | 16 | 0.00 | 1.13 |
| Col14 | 17 | 0.00 | 1.13 |
| Col14 | 18 | 0.00 | 1.13 |
| Col14 | 19 | 0.00 | 1.13 |
| Col14 | 20 | 0.00 | 1.13 |
| Col14 | 21 | 0.00 | 1.13 |
| Col14 | 22 | 0.00 | 1.13 |
| Col14 | 23 | 0.00 | 1.13 |
| Col14 | 24 | 0.00 | 1.13 |
| Col14 | 25 | 0.00 | 1.13 |
| Col14 | 26 | 0.00 | 1.13 |
| Col14 | 27 | 0.00 | 1.13 |
| Col14 | 28 | 0.00 | 1.13 |
| Col14 | 29 | 0.00 | 1.13 |
| Col14 | 30 | 0.00 | 1.13 |
| Col14 | 31 | 0.00 | 1.13 |
| Col14 | 32 | 0.00 | 1.13 |
| Col14 | 33 | 0.00 | 1.13 |
| Col14 | 34 | 0.00 | 1.13 |
| Col14 | 35 | 0.00 | 1.13 |
| Col14 | 36 | 0.00 | 1.13 |
| Col14 | 37 | 0.00 | 1.13 |
| Col14 | 38 | 0.00 | 1.13 |
| Col14 | 39 | 0.00 | 1.13 |
| Col14 | 40 | 0.00 | 1.13 |
| Col14 | 41 | 0.00 | 1.13 |
| Col14 | 42 | 0.00 | 1.13 |
| Col14 | 43 | 0.00 | 1.13 |
| Col14 | 44 | 0.00 | 1.13 |
| Col14 | 45 | 0.00 | 1.13 |
| Col14 | 46 | 0.00 | 1.13 |
| Col14 | 47 | 0.00 | 1.13 |
| Col14 | 48 | 0.00 | 1.13 |

| | | | |
|-------|----|------|------|
| Col15 | 1 | 0.00 | 1.13 |
| Col15 | 2 | 0.00 | 1.13 |
| Col15 | 3 | 0.00 | 1.13 |
| Col15 | 4 | 0.00 | 1.13 |
| Col15 | 5 | 0.00 | 1.13 |
| Col15 | 6 | 0.00 | 1.13 |
| Col15 | 7 | 0.00 | 1.13 |
| Col15 | 8 | 0.00 | 1.13 |
| Col15 | 9 | 0.00 | 1.13 |
| Col15 | 10 | 0.00 | 1.13 |
| Col15 | 11 | 0.00 | 1.13 |
| Col15 | 12 | 0.00 | 1.13 |
| Col15 | 13 | 0.00 | 1.13 |
| Col15 | 14 | 0.00 | 1.13 |
| Col15 | 15 | 0.00 | 1.13 |
| Col15 | 16 | 0.00 | 1.13 |
| Col15 | 17 | 0.00 | 1.13 |
| Col15 | 18 | 0.00 | 1.13 |
| Col15 | 19 | 0.00 | 1.13 |
| Col15 | 20 | 0.00 | 1.13 |
| Col15 | 21 | 0.00 | 1.13 |
| Col15 | 22 | 0.00 | 1.13 |
| Col15 | 23 | 0.00 | 1.13 |
| Col15 | 24 | 0.00 | 1.13 |
| Col15 | 25 | 0.00 | 1.13 |
| Col15 | 26 | 0.00 | 1.13 |
| Col15 | 27 | 0.00 | 1.13 |
| Col15 | 28 | 0.00 | 1.13 |
| Col15 | 29 | 0.00 | 1.13 |
| Col15 | 30 | 0.00 | 1.13 |
| Col15 | 31 | 0.00 | 1.13 |
| Col15 | 32 | 0.00 | 1.13 |
| Col15 | 33 | 0.00 | 1.13 |
| Col15 | 34 | 0.00 | 1.13 |
| Col15 | 35 | 0.00 | 1.13 |
| Col15 | 36 | 0.00 | 1.13 |
| Col15 | 37 | 0.00 | 1.13 |
| Col15 | 38 | 0.00 | 1.13 |
| Col15 | 39 | 0.00 | 1.13 |
| Col15 | 40 | 0.00 | 1.13 |
| Col15 | 41 | 0.00 | 1.13 |
| Col15 | 42 | 0.00 | 1.13 |
| Col15 | 43 | 0.00 | 1.13 |
| Col15 | 44 | 0.00 | 1.13 |
| Col15 | 45 | 0.00 | 1.13 |
| Col15 | 46 | 0.00 | 1.13 |
| Col15 | 47 | 0.00 | 1.13 |
| Col15 | 48 | 0.00 | 1.13 |
| Col16 | 1 | 0.00 | 1.13 |
| Col16 | 2 | 0.00 | 1.13 |
| Col16 | 3 | 0.00 | 1.13 |
| Col16 | 4 | 0.00 | 1.13 |
| Col16 | 5 | 0.00 | 1.13 |
| Col16 | 6 | 0.00 | 1.13 |
| Col16 | 7 | 0.00 | 1.13 |
| Col16 | 8 | 0.00 | 1.13 |
| Col16 | 9 | 0.00 | 1.13 |
| Col16 | 10 | 0.00 | 1.13 |
| Col16 | 11 | 0.00 | 1.13 |
| Col16 | 12 | 0.00 | 1.13 |
| Col16 | 13 | 0.00 | 1.13 |
| Col16 | 14 | 0.00 | 1.13 |
| Col16 | 15 | 0.00 | 1.13 |
| Col16 | 16 | 0.00 | 1.13 |
| Col16 | 17 | 0.00 | 1.13 |

| | | | |
|-------|----|------|------|
| Col16 | 18 | 0.00 | 1.13 |
| Col16 | 19 | 0.00 | 1.13 |
| Col16 | 20 | 0.00 | 1.13 |
| Col16 | 21 | 0.00 | 1.13 |
| Col16 | 22 | 0.00 | 1.13 |
| Col16 | 23 | 0.00 | 1.13 |
| Col16 | 24 | 0.00 | 1.13 |
| Col16 | 25 | 0.00 | 1.13 |
| Col16 | 26 | 0.00 | 1.13 |
| Col16 | 27 | 0.00 | 1.13 |
| Col16 | 28 | 0.00 | 1.13 |
| Col16 | 29 | 0.00 | 1.13 |
| Col16 | 30 | 0.00 | 1.13 |
| Col16 | 31 | 0.00 | 1.13 |
| Col16 | 32 | 0.00 | 1.13 |
| Col16 | 33 | 0.00 | 1.13 |
| Col16 | 34 | 0.00 | 1.13 |
| Col16 | 35 | 0.00 | 1.13 |
| Col16 | 36 | 0.00 | 1.13 |
| Col16 | 37 | 0.00 | 1.13 |
| Col16 | 38 | 0.00 | 1.13 |
| Col16 | 39 | 0.00 | 1.13 |
| Col16 | 40 | 0.00 | 1.13 |
| Col16 | 41 | 0.00 | 1.13 |
| Col16 | 42 | 0.00 | 1.13 |
| Col16 | 43 | 0.00 | 1.13 |
| Col16 | 44 | 0.00 | 1.13 |
| Col16 | 45 | 0.00 | 1.13 |
| Col16 | 46 | 0.00 | 1.13 |
| Col16 | 47 | 0.00 | 1.13 |
| Col16 | 48 | 0.00 | 1.13 |
| Col17 | 1 | 0.00 | 1.13 |
| Col17 | 2 | 0.00 | 1.13 |
| Col17 | 3 | 0.00 | 1.13 |
| Col17 | 4 | 0.00 | 1.13 |
| Col17 | 5 | 0.00 | 1.13 |
| Col17 | 6 | 0.00 | 1.13 |
| Col17 | 7 | 0.00 | 1.13 |
| Col17 | 8 | 0.00 | 1.13 |
| Col17 | 9 | 0.00 | 1.13 |
| Col17 | 10 | 0.00 | 1.13 |
| Col17 | 11 | 0.00 | 1.13 |
| Col17 | 12 | 0.00 | 1.13 |
| Col17 | 13 | 0.00 | 1.13 |
| Col17 | 14 | 0.00 | 1.13 |
| Col17 | 15 | 0.00 | 1.13 |
| Col17 | 16 | 0.00 | 1.13 |
| Col17 | 17 | 0.00 | 1.13 |
| Col17 | 18 | 0.00 | 1.13 |
| Col17 | 19 | 0.00 | 1.13 |
| Col17 | 20 | 0.00 | 1.13 |
| Col17 | 21 | 0.00 | 1.13 |
| Col17 | 22 | 0.00 | 1.13 |
| Col17 | 23 | 0.00 | 1.13 |
| Col17 | 24 | 0.00 | 1.13 |
| Col17 | 25 | 0.00 | 1.13 |
| Col17 | 26 | 0.00 | 1.13 |
| Col17 | 27 | 0.00 | 1.13 |
| Col17 | 28 | 0.00 | 1.13 |
| Col17 | 29 | 0.00 | 1.13 |
| Col17 | 30 | 0.00 | 1.13 |
| Col17 | 31 | 0.00 | 1.13 |
| Col17 | 32 | 0.00 | 1.13 |
| Col17 | 33 | 0.00 | 1.13 |
| Col17 | 34 | 0.00 | 1.13 |

| | | | |
|-------|----|-------|------|
| Col17 | 35 | 0.00 | 1.13 |
| Col17 | 36 | 0.00 | 1.13 |
| Col17 | 37 | 0.00 | 1.13 |
| Col17 | 38 | 0.00 | 1.13 |
| Col17 | 39 | 0.00 | 1.13 |
| Col17 | 40 | 0.00 | 1.13 |
| Col17 | 41 | 0.00 | 1.13 |
| Col17 | 42 | 0.00 | 1.13 |
| Col17 | 43 | 0.00 | 1.13 |
| Col17 | 44 | 0.00 | 1.13 |
| Col17 | 45 | 0.00 | 1.13 |
| Col17 | 46 | 0.00 | 1.13 |
| Col17 | 47 | 0.00 | 1.13 |
| Col17 | 48 | 0.00 | 1.13 |
| Col18 | 1 | 0.00 | 1.13 |
| Col18 | 2 | 0.00 | 1.13 |
| Col18 | 3 | 0.00 | 1.13 |
| Col18 | 4 | 0.00 | 1.13 |
| Col18 | 5 | 0.00 | 1.13 |
| Col18 | 6 | 0.00 | 1.13 |
| Col18 | 7 | 0.00 | 1.13 |
| Col18 | 8 | -0.16 | 1.13 |
| Col18 | 9 | -0.16 | 1.13 |
| Col18 | 10 | 0.19 | 1.13 |
| Col18 | 11 | 0.19 | 1.13 |
| Col18 | 12 | 0.19 | 1.13 |
| Col18 | 13 | 0.19 | 1.13 |
| Col18 | 14 | 0.19 | 1.13 |
| Col18 | 15 | 0.19 | 1.13 |
| Col18 | 16 | 0.15 | 1.13 |
| Col18 | 17 | 0.15 | 1.13 |
| Col18 | 18 | 0.15 | 1.13 |
| Col18 | 19 | 0.15 | 1.13 |
| Col18 | 20 | 0.15 | 1.13 |
| Col18 | 21 | 0.15 | 1.13 |
| Col18 | 22 | 0.15 | 1.13 |
| Col18 | 23 | 0.15 | 1.13 |
| Col18 | 24 | 0.15 | 1.13 |
| Col18 | 25 | 0.15 | 1.13 |
| Col18 | 26 | 0.15 | 1.13 |
| Col18 | 27 | 0.15 | 1.13 |
| Col18 | 28 | -0.16 | 1.13 |
| Col18 | 29 | -0.16 | 1.13 |
| Col18 | 30 | 0.19 | 1.13 |
| Col18 | 31 | 0.19 | 1.13 |
| Col18 | 32 | 0.19 | 1.13 |
| Col18 | 33 | 0.19 | 1.13 |
| Col18 | 34 | 0.19 | 1.13 |
| Col18 | 35 | 0.19 | 1.13 |
| Col18 | 36 | 0.00 | 1.13 |
| Col18 | 37 | 0.00 | 1.13 |
| Col18 | 38 | 0.00 | 1.13 |
| Col18 | 39 | 0.00 | 1.13 |
| Col18 | 40 | 0.00 | 1.13 |
| Col18 | 41 | 0.00 | 1.13 |
| Col18 | 42 | 0.00 | 1.13 |
| Col18 | 43 | 0.00 | 1.13 |
| Col18 | 44 | 0.00 | 1.13 |
| Col18 | 45 | 0.00 | 1.13 |
| Col18 | 46 | 0.00 | 1.13 |
| Col18 | 47 | 0.09 | 1.13 |
| Col18 | 48 | 0.09 | 1.13 |

RAFTER DEFLECTIONS:

| Id | Load | Deflection (in) | |
|------|------|-----------------|-------|
| | Id | Calc | Limit |
| Raf1 | 1 | 0.00 | 1.07 |
| Raf1 | 2 | 0.00 | 1.07 |
| Raf1 | 3 | 0.00 | 1.07 |
| Raf1 | 4 | 0.00 | 1.07 |
| Raf1 | 5 | 0.00 | 1.07 |
| Raf1 | 6 | 0.00 | 1.07 |
| Raf1 | 7 | 0.00 | 1.07 |
| Raf1 | 8 | 0.00 | 1.07 |
| Raf1 | 9 | 0.00 | 1.07 |
| Raf1 | 10 | 0.00 | 1.07 |
| Raf1 | 11 | 0.00 | 1.07 |
| Raf1 | 12 | 0.00 | 1.07 |
| Raf1 | 13 | 0.00 | 1.07 |
| Raf1 | 14 | 0.00 | 1.07 |
| Raf1 | 15 | 0.00 | 1.07 |
| Raf1 | 16 | 0.00 | 1.07 |
| Raf1 | 17 | 0.00 | 1.07 |
| Raf1 | 18 | 0.00 | 1.07 |
| Raf1 | 19 | 0.00 | 1.07 |
| Raf1 | 20 | 0.00 | 1.07 |
| Raf1 | 21 | 0.00 | 1.07 |
| Raf1 | 22 | 0.00 | 1.07 |
| Raf1 | 23 | 0.00 | 1.07 |
| Raf1 | 24 | 0.00 | 1.07 |
| Raf1 | 25 | 0.00 | 1.07 |
| Raf1 | 26 | 0.00 | 1.07 |
| Raf1 | 27 | 0.00 | 1.07 |
| Raf1 | 28 | 0.00 | 1.07 |
| Raf1 | 29 | 0.00 | 1.07 |
| Raf1 | 30 | 0.00 | 1.07 |
| Raf1 | 31 | 0.00 | 1.07 |
| Raf1 | 32 | 0.00 | 1.07 |
| Raf1 | 33 | 0.00 | 1.07 |
| Raf1 | 34 | 0.00 | 1.07 |
| Raf1 | 35 | 0.00 | 1.07 |
| Raf1 | 36 | 0.00 | 1.07 |
| Raf1 | 37 | 0.00 | 1.07 |
| Raf1 | 38 | 0.00 | 1.07 |
| Raf1 | 39 | 0.00 | 1.07 |
| Raf1 | 40 | 0.00 | 1.07 |
| Raf1 | 41 | 0.00 | 1.07 |
| Raf1 | 42 | 0.00 | 1.07 |
| Raf1 | 43 | 0.00 | 1.07 |
| Raf1 | 44 | 0.00 | 1.07 |
| Raf1 | 45 | 0.00 | 1.07 |
| Raf1 | 46 | 0.00 | 1.07 |
| Raf1 | 47 | 0.00 | 1.07 |
| Raf1 | 48 | 0.00 | 1.07 |
| Raf2 | 1 | 0.00 | 1.13 |
| Raf2 | 2 | 0.00 | 1.13 |
| Raf2 | 3 | 0.00 | 1.13 |
| Raf2 | 4 | 0.00 | 1.13 |
| Raf2 | 5 | 0.00 | 1.13 |
| Raf2 | 6 | 0.00 | 1.13 |
| Raf2 | 7 | 0.00 | 1.13 |
| Raf2 | 8 | 0.00 | 1.13 |
| Raf2 | 9 | 0.00 | 1.13 |
| Raf2 | 10 | 0.00 | 1.13 |
| Raf2 | 11 | 0.00 | 1.13 |
| Raf2 | 12 | 0.00 | 1.13 |
| Raf2 | 13 | 0.00 | 1.13 |
| Raf2 | 14 | 0.00 | 1.13 |

| | | | |
|------|----|------|------|
| Raf2 | 15 | 0.00 | 1.13 |
| Raf2 | 16 | 0.00 | 1.13 |
| Raf2 | 17 | 0.00 | 1.13 |
| Raf2 | 18 | 0.00 | 1.13 |
| Raf2 | 19 | 0.00 | 1.13 |
| Raf2 | 20 | 0.00 | 1.13 |
| Raf2 | 21 | 0.00 | 1.13 |
| Raf2 | 22 | 0.00 | 1.13 |
| Raf2 | 23 | 0.00 | 1.13 |
| Raf2 | 24 | 0.00 | 1.13 |
| Raf2 | 25 | 0.00 | 1.13 |
| Raf2 | 26 | 0.00 | 1.13 |
| Raf2 | 27 | 0.00 | 1.13 |
| Raf2 | 28 | 0.00 | 1.13 |
| Raf2 | 29 | 0.00 | 1.13 |
| Raf2 | 30 | 0.00 | 1.13 |
| Raf2 | 31 | 0.00 | 1.13 |
| Raf2 | 32 | 0.00 | 1.13 |
| Raf2 | 33 | 0.00 | 1.13 |
| Raf2 | 34 | 0.00 | 1.13 |
| Raf2 | 35 | 0.00 | 1.13 |
| Raf2 | 36 | 0.00 | 1.13 |
| Raf2 | 37 | 0.00 | 1.13 |
| Raf2 | 38 | 0.00 | 1.13 |
| Raf2 | 39 | 0.00 | 1.13 |
| Raf2 | 40 | 0.00 | 1.13 |
| Raf2 | 41 | 0.00 | 1.13 |
| Raf2 | 42 | 0.00 | 1.13 |
| Raf2 | 43 | 0.00 | 1.13 |
| Raf2 | 44 | 0.00 | 1.13 |
| Raf2 | 45 | 0.00 | 1.13 |
| Raf2 | 46 | 0.00 | 1.13 |
| Raf2 | 47 | 0.00 | 1.13 |
| Raf2 | 48 | 0.00 | 1.13 |
| Raf3 | 1 | 0.00 | 1.13 |
| Raf3 | 2 | 0.00 | 1.13 |
| Raf3 | 3 | 0.00 | 1.13 |
| Raf3 | 4 | 0.00 | 1.13 |
| Raf3 | 5 | 0.00 | 1.13 |
| Raf3 | 6 | 0.00 | 1.13 |
| Raf3 | 7 | 0.00 | 1.13 |
| Raf3 | 8 | 0.00 | 1.13 |
| Raf3 | 9 | 0.00 | 1.13 |
| Raf3 | 10 | 0.00 | 1.13 |
| Raf3 | 11 | 0.00 | 1.13 |
| Raf3 | 12 | 0.00 | 1.13 |
| Raf3 | 13 | 0.00 | 1.13 |
| Raf3 | 14 | 0.00 | 1.13 |
| Raf3 | 15 | 0.00 | 1.13 |
| Raf3 | 16 | 0.00 | 1.13 |
| Raf3 | 17 | 0.00 | 1.13 |
| Raf3 | 18 | 0.00 | 1.13 |
| Raf3 | 19 | 0.00 | 1.13 |
| Raf3 | 20 | 0.00 | 1.13 |
| Raf3 | 21 | 0.00 | 1.13 |
| Raf3 | 22 | 0.00 | 1.13 |
| Raf3 | 23 | 0.00 | 1.13 |
| Raf3 | 24 | 0.00 | 1.13 |
| Raf3 | 25 | 0.00 | 1.13 |
| Raf3 | 26 | 0.00 | 1.13 |
| Raf3 | 27 | 0.00 | 1.13 |
| Raf3 | 28 | 0.00 | 1.13 |
| Raf3 | 29 | 0.00 | 1.13 |
| Raf3 | 30 | 0.00 | 1.13 |
| Raf3 | 31 | 0.00 | 1.13 |

| | | | |
|------|----|------|------|
| Raf3 | 32 | 0.00 | 1.13 |
| Raf3 | 33 | 0.00 | 1.13 |
| Raf3 | 34 | 0.00 | 1.13 |
| Raf3 | 35 | 0.00 | 1.13 |
| Raf3 | 36 | 0.00 | 1.13 |
| Raf3 | 37 | 0.00 | 1.13 |
| Raf3 | 38 | 0.00 | 1.13 |
| Raf3 | 39 | 0.00 | 1.13 |
| Raf3 | 40 | 0.00 | 1.13 |
| Raf3 | 41 | 0.00 | 1.13 |
| Raf3 | 42 | 0.00 | 1.13 |
| Raf3 | 43 | 0.00 | 1.13 |
| Raf3 | 44 | 0.00 | 1.13 |
| Raf3 | 45 | 0.00 | 1.13 |
| Raf3 | 46 | 0.00 | 1.13 |
| Raf3 | 47 | 0.00 | 1.13 |
| Raf3 | 48 | 0.00 | 1.13 |
| Raf4 | 1 | 0.00 | 1.13 |
| Raf4 | 2 | 0.00 | 1.13 |
| Raf4 | 3 | 0.00 | 1.13 |
| Raf4 | 4 | 0.00 | 1.13 |
| Raf4 | 5 | 0.00 | 1.13 |
| Raf4 | 6 | 0.00 | 1.13 |
| Raf4 | 7 | 0.00 | 1.13 |
| Raf4 | 8 | 0.00 | 1.13 |
| Raf4 | 9 | 0.00 | 1.13 |
| Raf4 | 10 | 0.00 | 1.13 |
| Raf4 | 11 | 0.00 | 1.13 |
| Raf4 | 12 | 0.00 | 1.13 |
| Raf4 | 13 | 0.00 | 1.13 |
| Raf4 | 14 | 0.00 | 1.13 |
| Raf4 | 15 | 0.00 | 1.13 |
| Raf4 | 16 | 0.00 | 1.13 |
| Raf4 | 17 | 0.00 | 1.13 |
| Raf4 | 18 | 0.00 | 1.13 |
| Raf4 | 19 | 0.00 | 1.13 |
| Raf4 | 20 | 0.00 | 1.13 |
| Raf4 | 21 | 0.00 | 1.13 |
| Raf4 | 22 | 0.00 | 1.13 |
| Raf4 | 23 | 0.00 | 1.13 |
| Raf4 | 24 | 0.00 | 1.13 |
| Raf4 | 25 | 0.00 | 1.13 |
| Raf4 | 26 | 0.00 | 1.13 |
| Raf4 | 27 | 0.00 | 1.13 |
| Raf4 | 28 | 0.00 | 1.13 |
| Raf4 | 29 | 0.00 | 1.13 |
| Raf4 | 30 | 0.00 | 1.13 |
| Raf4 | 31 | 0.00 | 1.13 |
| Raf4 | 32 | 0.00 | 1.13 |
| Raf4 | 33 | 0.00 | 1.13 |
| Raf4 | 34 | 0.00 | 1.13 |
| Raf4 | 35 | 0.00 | 1.13 |
| Raf4 | 36 | 0.00 | 1.13 |
| Raf4 | 37 | 0.00 | 1.13 |
| Raf4 | 38 | 0.00 | 1.13 |
| Raf4 | 39 | 0.00 | 1.13 |
| Raf4 | 40 | 0.00 | 1.13 |
| Raf4 | 41 | 0.00 | 1.13 |
| Raf4 | 42 | 0.00 | 1.13 |
| Raf4 | 43 | 0.00 | 1.13 |
| Raf4 | 44 | 0.00 | 1.13 |
| Raf4 | 45 | 0.00 | 1.13 |
| Raf4 | 46 | 0.00 | 1.13 |
| Raf4 | 47 | 0.00 | 1.13 |
| Raf4 | 48 | 0.00 | 1.13 |

| | | | |
|------|----|------|------|
| Raf5 | 1 | 0.00 | 1.13 |
| Raf5 | 2 | 0.00 | 1.13 |
| Raf5 | 3 | 0.00 | 1.13 |
| Raf5 | 4 | 0.00 | 1.13 |
| Raf5 | 5 | 0.00 | 1.13 |
| Raf5 | 6 | 0.00 | 1.13 |
| Raf5 | 7 | 0.00 | 1.13 |
| Raf5 | 8 | 0.00 | 1.13 |
| Raf5 | 9 | 0.00 | 1.13 |
| Raf5 | 10 | 0.00 | 1.13 |
| Raf5 | 11 | 0.00 | 1.13 |
| Raf5 | 12 | 0.00 | 1.13 |
| Raf5 | 13 | 0.00 | 1.13 |
| Raf5 | 14 | 0.00 | 1.13 |
| Raf5 | 15 | 0.00 | 1.13 |
| Raf5 | 16 | 0.00 | 1.13 |
| Raf5 | 17 | 0.00 | 1.13 |
| Raf5 | 18 | 0.00 | 1.13 |
| Raf5 | 19 | 0.00 | 1.13 |
| Raf5 | 20 | 0.00 | 1.13 |
| Raf5 | 21 | 0.00 | 1.13 |
| Raf5 | 22 | 0.00 | 1.13 |
| Raf5 | 23 | 0.00 | 1.13 |
| Raf5 | 24 | 0.00 | 1.13 |
| Raf5 | 25 | 0.00 | 1.13 |
| Raf5 | 26 | 0.00 | 1.13 |
| Raf5 | 27 | 0.00 | 1.13 |
| Raf5 | 28 | 0.00 | 1.13 |
| Raf5 | 29 | 0.00 | 1.13 |
| Raf5 | 30 | 0.00 | 1.13 |
| Raf5 | 31 | 0.00 | 1.13 |
| Raf5 | 32 | 0.00 | 1.13 |
| Raf5 | 33 | 0.00 | 1.13 |
| Raf5 | 34 | 0.00 | 1.13 |
| Raf5 | 35 | 0.00 | 1.13 |
| Raf5 | 36 | 0.00 | 1.13 |
| Raf5 | 37 | 0.00 | 1.13 |
| Raf5 | 38 | 0.00 | 1.13 |
| Raf5 | 39 | 0.00 | 1.13 |
| Raf5 | 40 | 0.00 | 1.13 |
| Raf5 | 41 | 0.00 | 1.13 |
| Raf5 | 42 | 0.00 | 1.13 |
| Raf5 | 43 | 0.00 | 1.13 |
| Raf5 | 44 | 0.00 | 1.13 |
| Raf5 | 45 | 0.00 | 1.13 |
| Raf5 | 46 | 0.00 | 1.13 |
| Raf5 | 47 | 0.00 | 1.13 |
| Raf5 | 48 | 0.00 | 1.13 |
| Raf6 | 1 | 0.00 | 1.07 |
| Raf6 | 2 | 0.00 | 1.07 |
| Raf6 | 3 | 0.00 | 1.07 |
| Raf6 | 4 | 0.00 | 1.07 |
| Raf6 | 5 | 0.00 | 1.07 |
| Raf6 | 6 | 0.00 | 1.07 |
| Raf6 | 7 | 0.00 | 1.07 |
| Raf6 | 8 | 0.00 | 1.07 |
| Raf6 | 9 | 0.00 | 1.07 |
| Raf6 | 10 | 0.00 | 1.07 |
| Raf6 | 11 | 0.00 | 1.07 |
| Raf6 | 12 | 0.00 | 1.07 |
| Raf6 | 13 | 0.00 | 1.07 |
| Raf6 | 14 | 0.00 | 1.07 |
| Raf6 | 15 | 0.00 | 1.07 |
| Raf6 | 16 | 0.00 | 1.07 |
| Raf6 | 17 | 0.00 | 1.07 |

| | | | |
|------|----|------|------|
| Raf6 | 18 | 0.00 | 1.07 |
| Raf6 | 19 | 0.00 | 1.07 |
| Raf6 | 20 | 0.00 | 1.07 |
| Raf6 | 21 | 0.00 | 1.07 |
| Raf6 | 22 | 0.00 | 1.07 |
| Raf6 | 23 | 0.00 | 1.07 |
| Raf6 | 24 | 0.00 | 1.07 |
| Raf6 | 25 | 0.00 | 1.07 |
| Raf6 | 26 | 0.00 | 1.07 |
| Raf6 | 27 | 0.00 | 1.07 |
| Raf6 | 28 | 0.00 | 1.07 |
| Raf6 | 29 | 0.00 | 1.07 |
| Raf6 | 30 | 0.00 | 1.07 |
| Raf6 | 31 | 0.00 | 1.07 |
| Raf6 | 32 | 0.00 | 1.07 |
| Raf6 | 33 | 0.00 | 1.07 |
| Raf6 | 34 | 0.00 | 1.07 |
| Raf6 | 35 | 0.00 | 1.07 |
| Raf6 | 36 | 0.00 | 1.07 |
| Raf6 | 37 | 0.00 | 1.07 |
| Raf6 | 38 | 0.00 | 1.07 |
| Raf6 | 39 | 0.00 | 1.07 |
| Raf6 | 40 | 0.00 | 1.07 |
| Raf6 | 41 | 0.00 | 1.07 |
| Raf6 | 42 | 0.00 | 1.07 |
| Raf6 | 43 | 0.00 | 1.07 |
| Raf6 | 44 | 0.00 | 1.07 |
| Raf6 | 45 | 0.00 | 1.07 |
| Raf6 | 46 | 0.00 | 1.07 |
| Raf6 | 47 | 0.00 | 1.07 |
| Raf6 | 48 | 0.00 | 1.07 |

COLUMN KL/R RATIO, MOMENT REDUCTION:

| Id | Major (ft) | --Minor (ft)-- | | ----KL/R---- | | Available Reduction Factor | |
|-------|---------------|----------------|-------|--------------|-------|----------------------------------|------|
| | | Bend | Axial | Major | Minor | Out | In |
| Col12 | 16.9 | 5.9 | 5.9 | 88 | 95 | 0.00 | 0.00 |
| Col13 | 0.1 | 5.9 | 5.9 | 1 | 95 | 0.00 | 0.00 |
| Col14 | 0.1 | 5.9 | 5.9 | 1 | 95 | 0.00 | 0.00 |
| Col15 | 0.1 | 5.9 | 5.9 | 1 | 95 | 0.00 | 0.00 |
| Col16 | 0.1 | 5.9 | 5.9 | 1 | 95 | 0.00 | 0.00 |
| Col17 | 0.1 | 5.9 | 5.9 | 1 | 95 | 0.00 | 0.00 |
| Col18 | 16.9 | 5.9 | 5.9 | 88 | 95 | 0.00 | 0.00 |

GIRT LAYOUT:

| Bay Id | Girt Id | Locate | Part | Design Length | Available Reduction Factor | |
|--------|---------|--------|--------|---------------|----------------------------|------|
| | | | | | Out | In |
| 1 | 1 | 3.667 | 6X2C16 | 1.333 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 1.333 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 1.333 | 0.00 | 0.70 |
| 2 | 1 | 3.667 | 6X2C16 | 1.833 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 1.833 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 1.833 | 0.00 | 0.70 |
| 3 | 1 | 3.667 | 6X2C16 | 1.833 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 1.833 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 1.833 | 0.00 | 0.70 |
| 4 | 1 | 3.667 | 6X2C16 | 1.833 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 1.833 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 1.833 | 0.00 | 0.70 |
| 5 | 1 | 3.667 | 6X2C16 | 1.833 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 1.833 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 1.833 | 0.00 | 0.70 |
| 6 | 1 | 3.667 | 6X2C16 | 1.333 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 1.333 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 1.333 | 0.00 | 0.70 |

GIRT ACTIONS:

| Bay Id | Girt Id | Load | -Shear(k)- | | Moment(f-k) | | Max UC | Deflect(in) | |
|--------|---------|------|------------|-------|-------------|-------|--------|-------------|-------|
| | | | Calc | Limit | Calc | Limit | | Calc | Limit |
| 1 | 1 | WP | -0.02 | 3.32 | -0.01 | 2.65 | 0.01 | 0.00 | 0.18 |
| | | WS | 0.03 | 3.32 | 0.01 | 2.72 | 0.01 | 0.00 | 0.18 |
| | 3 | WP | -0.03 | 3.32 | -0.01 | 2.65 | 0.01 | 0.00 | 0.18 |
| | | WS | 0.04 | 3.32 | 0.01 | 2.72 | 0.01 | 0.00 | 0.18 |
| 2 | 1 | WP | -0.03 | 3.32 | -0.02 | 2.65 | 0.01 | 0.00 | 0.24 |
| | | WS | 0.04 | 3.32 | 0.02 | 2.65 | 0.01 | 0.00 | 0.24 |
| | 3 | WP | -0.04 | 3.32 | -0.02 | 2.65 | 0.01 | 0.00 | 0.24 |
| | | WS | 0.05 | 3.32 | 0.02 | 2.65 | 0.01 | 0.00 | 0.24 |
| 3 | 1 | WP | -0.03 | 3.32 | -0.02 | 2.65 | 0.01 | 0.00 | 0.24 |
| | | WS | 0.04 | 3.32 | 0.02 | 2.65 | 0.01 | 0.00 | 0.24 |
| | 3 | WP | -0.04 | 3.32 | -0.02 | 2.65 | 0.01 | 0.00 | 0.24 |
| | | WS | 0.05 | 3.32 | 0.02 | 2.65 | 0.01 | 0.00 | 0.24 |
| 4 | 1 | WP | -0.03 | 3.32 | -0.02 | 2.65 | 0.01 | 0.00 | 0.24 |
| | | WS | 0.04 | 3.32 | 0.02 | 2.65 | 0.01 | 0.00 | 0.24 |
| | 3 | WP | -0.04 | 3.32 | -0.02 | 2.65 | 0.01 | 0.00 | 0.24 |
| | | WS | 0.05 | 3.32 | 0.02 | 2.65 | 0.01 | 0.00 | 0.24 |
| 5 | 1 | WP | -0.03 | 3.32 | -0.02 | 2.65 | 0.01 | 0.00 | 0.24 |
| | | WS | 0.04 | 3.32 | 0.02 | 2.65 | 0.01 | 0.00 | 0.24 |
| | 3 | WP | -0.04 | 3.32 | -0.02 | 2.65 | 0.01 | 0.00 | 0.24 |
| | | WS | 0.05 | 3.32 | 0.02 | 2.65 | 0.01 | 0.00 | 0.24 |
| 6 | 1 | WP | -0.02 | 3.32 | -0.01 | 2.65 | 0.01 | 0.00 | 0.18 |
| | | WS | 0.03 | 3.32 | 0.01 | 2.72 | 0.01 | 0.00 | 0.18 |
| | 3 | WP | -0.03 | 3.32 | -0.01 | 2.65 | 0.01 | 0.00 | 0.18 |
| | | WS | 0.03 | 3.32 | 0.01 | 2.72 | 0.01 | 0.00 | 0.18 |

WP - Wind_Pressure

WS - Wind_Suction

JAMB/HEADER LAYOUT:

| Bay Id | Id | Part | Length | Weight |
|-----------|--------|---------|--------|--------|
| 1 | JambL | PBMJ6 | 16.88 | 58.8 |
| | JambR | PBMJ6 | 16.88 | 58.8 |
| | Header | 6X25C16 | 12.00 | 28.1 |
| 2 | JambL | PBMJ6 | 16.88 | 58.8 |
| | JambR | PBMJ6 | 16.88 | 58.8 |
| | Header | 6X25C16 | 12.00 | 28.1 |
| 3 | JambL | PBMJ6 | 16.88 | 58.8 |
| | JambR | PBMJ6 | 16.88 | 58.8 |
| | Header | 6X25C16 | 12.00 | 28.1 |
| 4 | JambL | PBMJ6 | 16.88 | 58.8 |
| | JambR | PBMJ6 | 16.88 | 58.8 |
| | Header | 6X25C16 | 12.00 | 28.1 |
| 5 | JambL | PBMJ6 | 16.88 | 58.8 |
| | JambR | PBMJ6 | 16.88 | 58.8 |
| | Header | 6X25C16 | 12.00 | 28.1 |
| 6 | JambL | PBMJ6 | 16.88 | 58.8 |
| | JambR | PBMJ6 | 16.88 | 58.8 |
| | Header | 6X25C16 | 12.00 | 28.1 |

STRENGTH/DEFLECTION:

| Bay Id | Id | Load | -Shear(k)- | | Moment(f-k) | | Max UC | Deflect(in) | |
|-----------|--------|------|-------------|-------|--------------|-------|-----------|-------------|-------|
| | | | Calc | Limit | Calc | Limit | | Calc | Limit |
| 1 | JambL | WP | -0.59 | 5.26 | -2.48 | 3.90 | 0.64 | -0.37 | 2.25 |
| | | WS | 0.68 | 5.26 | 2.86 | 3.90 | 0.73 | 0.43 | 2.25 |
| | JambR | WP | -0.59 | 5.26 | -2.48 | 3.90 | 0.64 | -0.37 | 2.25 |
| | | WS | 0.65 | 5.26 | 2.75 | 3.90 | 0.70 | 0.41 | 2.25 |
| | Header | WP | -0.09 | 3.86 | -0.26 | 0.98 | 0.26 | -0.03 | 1.60 |
| | | WS | 0.10 | 3.86 | 0.29 | 1.93 | 0.15 | 0.04 | 1.60 |
| 2 | JambL | WP | -0.61 | 5.26 | -2.57 | 3.90 | 0.66 | -0.38 | 2.25 |
| | | WS | 0.68 | 5.26 | 2.85 | 3.90 | 0.73 | 0.42 | 2.25 |
| | JambR | WP | -0.61 | 5.26 | -2.57 | 3.90 | 0.66 | -0.38 | 2.25 |
| | | WS | 0.68 | 5.26 | 2.85 | 3.90 | 0.73 | 0.42 | 2.25 |
| | Header | WP | -0.09 | 3.86 | -0.26 | 0.98 | 0.26 | -0.03 | 1.60 |
| | | WS | 0.10 | 3.86 | 0.29 | 1.93 | 0.15 | 0.04 | 1.60 |
| 3 | JambL | WP | -0.61 | 5.26 | -2.57 | 3.90 | 0.66 | -0.38 | 2.25 |
| | | WS | 0.68 | 5.26 | 2.85 | 3.90 | 0.73 | 0.42 | 2.25 |
| | JambR | WP | -0.61 | 5.26 | -2.57 | 3.90 | 0.66 | -0.38 | 2.25 |
| | | WS | 0.68 | 5.26 | 2.85 | 3.90 | 0.73 | 0.42 | 2.25 |
| | Header | WP | -0.09 | 3.86 | -0.26 | 0.98 | 0.26 | -0.03 | 1.60 |
| | | WS | 0.10 | 3.86 | 0.29 | 1.93 | 0.15 | 0.04 | 1.60 |
| 4 | JambL | WP | -0.61 | 5.26 | -2.57 | 3.90 | 0.66 | -0.38 | 2.25 |
| | | WS | 0.68 | 5.26 | 2.85 | 3.90 | 0.73 | 0.42 | 2.25 |
| | JambR | WP | -0.61 | 5.26 | -2.57 | 3.90 | 0.66 | -0.38 | 2.25 |
| | | WS | 0.68 | 5.26 | 2.85 | 3.90 | 0.73 | 0.42 | 2.25 |
| | Header | WP | -0.09 | 3.86 | -0.26 | 0.98 | 0.26 | -0.03 | 1.60 |
| | | WS | 0.10 | 3.86 | 0.29 | 1.93 | 0.15 | 0.04 | 1.60 |
| 5 | JambL | WP | -0.61 | 5.26 | -2.57 | 3.90 | 0.66 | -0.38 | 2.25 |
| | | WS | 0.68 | 5.26 | 2.85 | 3.90 | 0.73 | 0.42 | 2.25 |
| | JambR | WP | -0.61 | 5.26 | -2.57 | 3.90 | 0.66 | -0.38 | 2.25 |
| | | WS | 0.68 | 5.26 | 2.85 | 3.90 | 0.73 | 0.42 | 2.25 |
| | Header | WP | -0.09 | 3.86 | -0.26 | 0.98 | 0.26 | -0.03 | 1.60 |
| | | WS | 0.10 | 3.86 | 0.29 | 1.93 | 0.15 | 0.04 | 1.60 |
| 6 | JambL | WP | -0.59 | 5.26 | -2.48 | 3.90 | 0.64 | -0.37 | 2.25 |
| | | WS | 0.65 | 5.26 | 2.75 | 3.90 | 0.70 | 0.41 | 2.25 |
| | JambR | WP | -0.59 | 5.26 | -2.48 | 3.90 | 0.64 | -0.37 | 2.25 |

| | | | | | | | | |
|--------|----|-------|------|-------|------|------|-------|------|
| | WS | 0.68 | 5.26 | 2.86 | 3.90 | 0.73 | 0.43 | 2.25 |
| Header | WP | -0.09 | 3.86 | -0.26 | 0.98 | 0.26 | -0.03 | 1.60 |
| | WS | 0.10 | 3.86 | 0.29 | 1.93 | 0.15 | 0.04 | 1.60 |

WP - Wind_Pressure
WS - Wind_Suction

=====
6 and 7 Front SW - Wall Panel Design 8/26/22 8:48am
=====

PANEL DATA:

| Bay | Part | Type | Gage | Yield |
|-----|---------|------|-------|-------|
| 1 | CUSPANL | CP | 20.00 | 50.0 |

MOMENTS & DEFLECTION:

| Span Id | Locate (ft) | | Load | -----Moment (ft-lb/ft)----- | | | | | | Deflect (in) | | |
|---------|-------------|-------|------|-----------------------------|-------------|--------------|---------------|----------|-----------|--------------|-------|-------|
| | Start | End | | Start Calc | Start Limit | Midspan Calc | Midspan Limit | End Calc | End Limit | Max UC | Calc | Limit |
| 1 | 0.00 | 3.67 | WP | 0.0 | 38.1 | -12.2 | 49.1 | 19.2 | 38.1 | 0.50 | -0.10 | 0.73 |
| | | | WS | 0.0 | 38.1 | 16.2 | 38.1 | -25.5 | 49.1 | 0.52 | 0.13 | 0.73 |
| 2 | 3.67 | 7.33 | WP | 19.2 | 38.1 | -8.6 | 49.1 | 6.0 | 38.1 | 0.50 | -0.06 | 0.73 |
| | | | WS | -25.5 | 49.1 | 11.5 | 38.1 | -8.0 | 49.1 | 0.52 | 0.08 | 0.73 |
| 3 | 7.33 | 11.00 | WP | 6.0 | 38.1 | -1.3 | 49.1 | 39.5 | 38.1 | 1.04 | 0.07 | 0.73 |
| | | | WS | -8.0 | 49.1 | 1.8 | 38.1 | -52.6 | 49.1 | 1.07 | -0.09 | 0.73 |
| 4 | 11.00 | 16.88 | WP | 39.5 | 38.1 | -35.2 | 49.1 | 0.0 | 38.1 | 1.04 | -0.81 | 1.17 |
| | | | WS | -52.6 | 49.1 | 46.8 | 38.1 | 0.0 | 38.1 | 1.23 | 1.08 | 1.17 |

WP - Wind_Pressure
WS - Wind_Suction

*WRN (PWM-203) Moment > Limit

PANEL:

| Part | Thick (in) | Yield (ksi) | Tensile Strength (ksi) |
|---------|---------------|-----------------|-------------------------------|
| CUSPANL | 0.038 | 50.00 | 65.00 |

GIRT SCREWS:

| Part | Dia (in) | Washer (in) | Limit (k) |
|------|-------------|----------------|---------------|
| #29 | 0.21 | 0.50 | 2.90 |

PANEL ZONE LAYOUT:

| Zone Id | Description | ---Wall (ft)--- | | Bay Id | --Girt (ft, ft, in)-- | | | Panel Span (ft) |
|------------|-------------|-----------------|---------|-----------|-----------------------|-------|--------------|-----------------------|
| | | Offset1 | Offset2 | | Locate | Width | Min Thick | |
| 1 | Interior | 5.00 | 95.00 | 1 | 11.00 | 4.77 | 0.059 | 5.88 |
| 2 | Lt Edge | 0.00 | 5.00 | 1 | 11.00 | 4.77 | 0.059 | 5.88 |
| 3 | Rt Edge | 95.00 | 100.00 | 6 | 11.00 | 4.77 | 0.059 | 5.88 |

GIRT SCREW CHECK:

| Zone Id | Screw Space | Wind Suction (psf) | Load (k) | -----Limit (k)----- | | | Max UC |
|------------|----------------|---------------------------|--------------|----------------------|-------------------|------------------|-----------|
| | | | | Girt Pullout | Panel Pullover | Screw Tension | |
| 1 | 1.00 | 16.38 | 0.08 | 0.22 | 0.61 | 0.77 | 0.36 |
| 2 | 1.00 | 16.38 | 0.08 | 0.22 | 0.61 | 0.77 | 0.36 |
| 3 | 1.00 | 16.38 | 0.08 | 0.22 | 0.61 | 0.77 | 0.36 |

WALL LAYOUT:

| Wall Id | Orn | Load Width |
|---------|-----|------------|
| 3 | T | 8.00 |

MEMBER LAYOUT:

| Id | Locate (ft) | Part | ---Web (in)--- Depth | ---Flange (in)--- Thick | Width | Thick | Length (ft) | Weight (lb) | ----Max_Load---- | Id | UC | Report |
|--------|-------------|--------|-------------------------|----------------------------|-------|-------|-------------|-------------|------------------|------|---------|--------|
| Col20 | 5.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 16.7 | 36.6 | 10 | 0.81 | Deflect | |
| Col21 | 10.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 16.5 | 36.1 | 10 | 0.75 | Deflect | |
| Col22 | 15.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 16.3 | 35.7 | 10 | 0.72 | Deflect | |
| Col23 | 20.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 16.1 | 35.2 | 10 | 0.70 | Deflect | |
| Col24 | 25.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 15.9 | 34.8 | 10 | 0.67 | Deflect | |
| Col25 | 30.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 15.7 | 34.3 | 10 | 0.64 | Deflect | |
| Col26 | 35.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 15.5 | 33.9 | 15 | 0.62 | Mom+Axl | |
| Col27 | 40.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 15.3 | 33.4 | 15 | 0.60 | Mom+Axl | |
| Col28 | 45.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 15.0 | 32.9 | 15 | 0.61 | Mom+Axl | |
| Total= | | | | | | | | 312.9 | | | | |

DESIGN ACTIONS/STRENGTH:

| Id | Load Id | -Axial(k)- | | -Shear(k)- | | Moment(f-k) | | -----Unity_Check----- | | | |
|-------|---------|------------|-------|------------|-------|-------------|-------|-----------------------|-------|--------|--------|
| | | Calc | Limit | Calc | Limit | Calc | Limit | Axial | Shear | Moment | Shear+ |
| Col20 | 1 | 0.95 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.12 | 0.00 | 0.12 | 0.00 |
| Col20 | 2 | 0.15 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col20 | 3 | 0.68 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col20 | 4 | 0.68 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col20 | 5 | 0.75 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col20 | 6 | 0.55 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col20 | 7 | 0.55 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col20 | 8 | -0.42 | 21.18 | 0.42 | 3.32 | -1.74 | 2.65 | 0.02 | 0.13 | 0.64 | 0.00 |
| Col20 | 9 | -0.19 | 21.18 | 0.42 | 3.32 | -1.74 | 2.65 | 0.01 | 0.13 | 0.65 | 0.00 |
| Col20 | 10 | -0.42 | 21.18 | -0.47 | 3.32 | 1.98 | 2.65 | 0.02 | 0.14 | 0.73 | 0.00 |
| Col20 | 11 | -0.19 | 21.18 | -0.47 | 3.32 | 1.98 | 2.65 | 0.01 | 0.14 | 0.74 | 0.00 |
| Col20 | 12 | -0.42 | 21.18 | -0.47 | 3.32 | 1.98 | 2.65 | 0.02 | 0.14 | 0.73 | 0.00 |
| Col20 | 13 | -0.19 | 21.18 | -0.47 | 3.32 | 1.98 | 2.65 | 0.01 | 0.14 | 0.74 | 0.00 |
| Col20 | 14 | -0.26 | 21.18 | -0.47 | 3.32 | 1.98 | 2.65 | 0.01 | 0.14 | 0.74 | 0.00 |
| Col20 | 15 | -0.02 | 21.18 | -0.47 | 3.32 | 1.98 | 2.65 | 0.00 | 0.14 | 0.75 | 0.00 |
| Col20 | 16 | 0.46 | 7.67 | -0.36 | 3.32 | 1.49 | 2.65 | 0.06 | 0.11 | 0.62 | 0.00 |
| Col20 | 17 | 0.63 | 7.67 | -0.36 | 3.32 | 1.49 | 2.65 | 0.08 | 0.11 | 0.64 | 0.00 |
| Col20 | 18 | 0.33 | 7.67 | -0.36 | 3.32 | 1.49 | 2.65 | 0.04 | 0.11 | 0.61 | 0.00 |
| Col20 | 19 | 0.51 | 7.67 | -0.36 | 3.32 | 1.49 | 2.65 | 0.07 | 0.11 | 0.63 | 0.00 |
| Col20 | 20 | 0.26 | 7.67 | -0.36 | 3.32 | 1.49 | 2.65 | 0.03 | 0.11 | 0.60 | 0.00 |
| Col20 | 21 | 0.43 | 7.67 | -0.36 | 3.32 | 1.49 | 2.65 | 0.06 | 0.11 | 0.62 | 0.00 |
| Col20 | 22 | 0.14 | 7.67 | -0.36 | 3.32 | 1.49 | 2.65 | 0.02 | 0.11 | 0.58 | 0.00 |
| Col20 | 23 | 0.31 | 7.67 | -0.36 | 3.32 | 1.49 | 2.65 | 0.04 | 0.11 | 0.60 | 0.00 |
| Col20 | 24 | 0.26 | 7.67 | -0.36 | 3.32 | 1.49 | 2.65 | 0.03 | 0.11 | 0.60 | 0.00 |
| Col20 | 25 | 0.43 | 7.67 | -0.36 | 3.32 | 1.49 | 2.65 | 0.06 | 0.11 | 0.62 | 0.00 |
| Col20 | 26 | 0.14 | 7.67 | -0.36 | 3.32 | 1.49 | 2.65 | 0.02 | 0.11 | 0.58 | 0.00 |
| Col20 | 27 | 0.31 | 7.67 | -0.36 | 3.32 | 1.49 | 2.65 | 0.04 | 0.11 | 0.60 | 0.00 |
| Col20 | 28 | -0.45 | 21.18 | 0.42 | 3.32 | -1.74 | 2.65 | 0.02 | 0.13 | 0.64 | 0.00 |
| Col20 | 29 | -0.22 | 21.18 | 0.42 | 3.32 | -1.74 | 2.65 | 0.01 | 0.13 | 0.65 | 0.00 |
| Col20 | 30 | -0.45 | 21.18 | -0.47 | 3.32 | 1.98 | 2.65 | 0.02 | 0.14 | 0.73 | 0.00 |
| Col20 | 31 | -0.22 | 21.18 | -0.47 | 3.32 | 1.98 | 2.65 | 0.01 | 0.14 | 0.74 | 0.00 |
| Col20 | 32 | -0.45 | 21.18 | -0.47 | 3.32 | 1.98 | 2.65 | 0.02 | 0.14 | 0.73 | 0.00 |

| | | | | | | | | | | | |
|-------|----|-------|-------|-------|------|-------|------|------|------|------|------|
| Col20 | 33 | -0.22 | 21.18 | -0.47 | 3.32 | 1.98 | 2.65 | 0.01 | 0.14 | 0.74 | 0.00 |
| Col20 | 34 | -0.29 | 21.18 | -0.47 | 3.32 | 1.98 | 2.65 | 0.01 | 0.14 | 0.74 | 0.00 |
| Col20 | 35 | -0.06 | 21.18 | -0.47 | 3.32 | 1.98 | 2.65 | 0.00 | 0.14 | 0.75 | 0.00 |
| Col20 | 36 | 0.15 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col20 | 37 | 0.15 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col20 | 38 | 0.75 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col20 | 39 | 0.75 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col20 | 40 | 0.55 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col20 | 41 | 0.55 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col20 | 42 | 0.55 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col20 | 43 | 0.55 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col20 | 44 | 0.09 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col20 | 45 | 0.09 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col20 | 46 | 0.79 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col20 | 47 | 0.34 | 7.67 | -0.36 | 3.32 | 1.49 | 2.65 | 0.04 | 0.11 | 0.61 | 0.00 |
| Col20 | 48 | 0.51 | 7.67 | -0.36 | 3.32 | 1.49 | 2.65 | 0.07 | 0.11 | 0.63 | 0.00 |
| Col20 | 49 | 0.15 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col20 | 50 | 0.15 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col20 | 51 | 0.09 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col20 | 52 | 0.09 | 7.67 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col21 | 1 | 0.95 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.12 | 0.00 | 0.12 | 0.00 |
| Col21 | 2 | 0.15 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col21 | 3 | 0.68 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col21 | 4 | 0.68 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col21 | 5 | 0.75 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col21 | 6 | 0.55 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col21 | 7 | 0.55 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col21 | 8 | -0.42 | 21.18 | 0.41 | 3.32 | -1.69 | 2.65 | 0.02 | 0.12 | 0.62 | 0.00 |
| Col21 | 9 | -0.19 | 21.18 | 0.41 | 3.32 | -1.69 | 2.65 | 0.01 | 0.12 | 0.63 | 0.00 |
| Col21 | 10 | -0.42 | 21.18 | -0.45 | 3.32 | 1.87 | 2.65 | 0.02 | 0.14 | 0.69 | 0.00 |
| Col21 | 11 | -0.19 | 21.18 | -0.45 | 3.32 | 1.87 | 2.65 | 0.01 | 0.14 | 0.70 | 0.00 |
| Col21 | 12 | -0.42 | 21.18 | -0.45 | 3.32 | 1.87 | 2.65 | 0.02 | 0.14 | 0.69 | 0.00 |
| Col21 | 13 | -0.19 | 21.18 | -0.45 | 3.32 | 1.87 | 2.65 | 0.01 | 0.14 | 0.70 | 0.00 |
| Col21 | 14 | -0.26 | 21.18 | -0.45 | 3.32 | 1.87 | 2.65 | 0.01 | 0.14 | 0.69 | 0.00 |
| Col21 | 15 | -0.03 | 21.18 | -0.45 | 3.32 | 1.87 | 2.65 | 0.00 | 0.14 | 0.70 | 0.00 |
| Col21 | 16 | 0.46 | 7.76 | -0.34 | 3.32 | 1.40 | 2.65 | 0.06 | 0.10 | 0.59 | 0.00 |
| Col21 | 17 | 0.63 | 7.76 | -0.34 | 3.32 | 1.40 | 2.65 | 0.08 | 0.10 | 0.61 | 0.00 |
| Col21 | 18 | 0.33 | 7.76 | -0.34 | 3.32 | 1.40 | 2.65 | 0.04 | 0.10 | 0.57 | 0.00 |
| Col21 | 19 | 0.51 | 7.76 | -0.34 | 3.32 | 1.40 | 2.65 | 0.07 | 0.10 | 0.60 | 0.00 |
| Col21 | 20 | 0.26 | 7.76 | -0.34 | 3.32 | 1.40 | 2.65 | 0.03 | 0.10 | 0.56 | 0.00 |
| Col21 | 21 | 0.43 | 7.76 | -0.34 | 3.32 | 1.40 | 2.65 | 0.06 | 0.10 | 0.59 | 0.00 |
| Col21 | 22 | 0.14 | 7.76 | -0.34 | 3.32 | 1.40 | 2.65 | 0.02 | 0.10 | 0.55 | 0.00 |
| Col21 | 23 | 0.31 | 7.76 | -0.34 | 3.32 | 1.40 | 2.65 | 0.04 | 0.10 | 0.57 | 0.00 |
| Col21 | 24 | 0.26 | 7.76 | -0.34 | 3.32 | 1.40 | 2.65 | 0.03 | 0.10 | 0.56 | 0.00 |
| Col21 | 25 | 0.43 | 7.76 | -0.34 | 3.32 | 1.40 | 2.65 | 0.06 | 0.10 | 0.59 | 0.00 |
| Col21 | 26 | 0.14 | 7.76 | -0.34 | 3.32 | 1.40 | 2.65 | 0.02 | 0.10 | 0.55 | 0.00 |
| Col21 | 27 | 0.31 | 7.76 | -0.34 | 3.32 | 1.40 | 2.65 | 0.04 | 0.10 | 0.57 | 0.00 |
| Col21 | 28 | -0.45 | 21.18 | 0.41 | 3.32 | -1.69 | 2.65 | 0.02 | 0.12 | 0.62 | 0.00 |
| Col21 | 29 | -0.22 | 21.18 | 0.41 | 3.32 | -1.69 | 2.65 | 0.01 | 0.12 | 0.63 | 0.00 |
| Col21 | 30 | -0.45 | 21.18 | -0.45 | 3.32 | 1.87 | 2.65 | 0.02 | 0.14 | 0.68 | 0.00 |
| Col21 | 31 | -0.22 | 21.18 | -0.45 | 3.32 | 1.87 | 2.65 | 0.01 | 0.14 | 0.70 | 0.00 |
| Col21 | 32 | -0.45 | 21.18 | -0.45 | 3.32 | 1.87 | 2.65 | 0.02 | 0.14 | 0.68 | 0.00 |
| Col21 | 33 | -0.22 | 21.18 | -0.45 | 3.32 | 1.87 | 2.65 | 0.01 | 0.14 | 0.70 | 0.00 |
| Col21 | 34 | -0.29 | 21.18 | -0.45 | 3.32 | 1.87 | 2.65 | 0.01 | 0.14 | 0.69 | 0.00 |
| Col21 | 35 | -0.06 | 21.18 | -0.45 | 3.32 | 1.87 | 2.65 | 0.00 | 0.14 | 0.70 | 0.00 |
| Col21 | 36 | 0.15 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col21 | 37 | 0.15 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col21 | 38 | 0.75 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col21 | 39 | 0.75 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col21 | 40 | 0.55 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col21 | 41 | 0.55 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col21 | 42 | 0.55 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col21 | 43 | 0.55 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col21 | 44 | 0.09 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col21 | 45 | 0.09 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |

| | | | | | | | | | | | |
|--------|----|-------|-------|-------|------|-------|------|------|------|------|------|
| Col121 | 46 | 0.79 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col121 | 47 | 0.34 | 7.76 | -0.34 | 3.32 | 1.40 | 2.65 | 0.04 | 0.10 | 0.57 | 0.00 |
| Col121 | 48 | 0.51 | 7.76 | -0.34 | 3.32 | 1.40 | 2.65 | 0.07 | 0.10 | 0.60 | 0.00 |
| Col121 | 49 | 0.15 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col121 | 50 | 0.15 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col121 | 51 | 0.09 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col121 | 52 | 0.09 | 7.76 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col122 | 1 | 0.94 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.12 | 0.00 | 0.12 | 0.00 |
| Col122 | 2 | 0.14 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col122 | 3 | 0.68 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col122 | 4 | 0.68 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col122 | 5 | 0.74 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col122 | 6 | 0.55 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col122 | 7 | 0.55 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col122 | 8 | -0.42 | 21.18 | 0.41 | 3.32 | -1.65 | 2.65 | 0.02 | 0.12 | 0.60 | 0.00 |
| Col122 | 9 | -0.19 | 21.18 | 0.41 | 3.32 | -1.65 | 2.65 | 0.01 | 0.12 | 0.62 | 0.00 |
| Col122 | 10 | -0.42 | 21.18 | -0.45 | 3.32 | 1.82 | 2.65 | 0.02 | 0.13 | 0.67 | 0.00 |
| Col122 | 11 | -0.19 | 21.18 | -0.45 | 3.32 | 1.82 | 2.65 | 0.01 | 0.13 | 0.68 | 0.00 |
| Col122 | 12 | -0.42 | 21.18 | -0.45 | 3.32 | 1.82 | 2.65 | 0.02 | 0.13 | 0.67 | 0.00 |
| Col122 | 13 | -0.19 | 21.18 | -0.45 | 3.32 | 1.82 | 2.65 | 0.01 | 0.13 | 0.68 | 0.00 |
| Col122 | 14 | -0.26 | 21.18 | -0.45 | 3.32 | 1.82 | 2.65 | 0.01 | 0.13 | 0.68 | 0.00 |
| Col122 | 15 | -0.03 | 21.18 | -0.45 | 3.32 | 1.82 | 2.65 | 0.00 | 0.13 | 0.69 | 0.00 |
| Col122 | 16 | 0.46 | 7.85 | -0.34 | 3.32 | 1.37 | 2.65 | 0.06 | 0.10 | 0.57 | 0.00 |
| Col122 | 17 | 0.63 | 7.85 | -0.34 | 3.32 | 1.37 | 2.65 | 0.08 | 0.10 | 0.60 | 0.00 |
| Col122 | 18 | 0.33 | 7.85 | -0.34 | 3.32 | 1.37 | 2.65 | 0.04 | 0.10 | 0.56 | 0.00 |
| Col122 | 19 | 0.51 | 7.85 | -0.34 | 3.32 | 1.37 | 2.65 | 0.06 | 0.10 | 0.58 | 0.00 |
| Col122 | 20 | 0.26 | 7.85 | -0.34 | 3.32 | 1.37 | 2.65 | 0.03 | 0.10 | 0.55 | 0.00 |
| Col122 | 21 | 0.43 | 7.85 | -0.34 | 3.32 | 1.37 | 2.65 | 0.06 | 0.10 | 0.57 | 0.00 |
| Col122 | 22 | 0.14 | 7.85 | -0.34 | 3.32 | 1.37 | 2.65 | 0.02 | 0.10 | 0.53 | 0.00 |
| Col122 | 23 | 0.31 | 7.85 | -0.34 | 3.32 | 1.37 | 2.65 | 0.04 | 0.10 | 0.56 | 0.00 |
| Col122 | 24 | 0.26 | 7.85 | -0.34 | 3.32 | 1.37 | 2.65 | 0.03 | 0.10 | 0.55 | 0.00 |
| Col122 | 25 | 0.43 | 7.85 | -0.34 | 3.32 | 1.37 | 2.65 | 0.06 | 0.10 | 0.57 | 0.00 |
| Col122 | 26 | 0.14 | 7.85 | -0.34 | 3.32 | 1.37 | 2.65 | 0.02 | 0.10 | 0.53 | 0.00 |
| Col122 | 27 | 0.31 | 7.85 | -0.34 | 3.32 | 1.37 | 2.65 | 0.04 | 0.10 | 0.56 | 0.00 |
| Col122 | 28 | -0.46 | 21.18 | 0.41 | 3.32 | -1.65 | 2.65 | 0.02 | 0.12 | 0.60 | 0.00 |
| Col122 | 29 | -0.22 | 21.18 | 0.41 | 3.32 | -1.65 | 2.65 | 0.01 | 0.12 | 0.61 | 0.00 |
| Col122 | 30 | -0.46 | 21.18 | -0.45 | 3.32 | 1.82 | 2.65 | 0.02 | 0.13 | 0.67 | 0.00 |
| Col122 | 31 | -0.22 | 21.18 | -0.45 | 3.32 | 1.82 | 2.65 | 0.01 | 0.13 | 0.68 | 0.00 |
| Col122 | 32 | -0.46 | 21.18 | -0.45 | 3.32 | 1.82 | 2.65 | 0.02 | 0.13 | 0.67 | 0.00 |
| Col122 | 33 | -0.22 | 21.18 | -0.45 | 3.32 | 1.82 | 2.65 | 0.01 | 0.13 | 0.68 | 0.00 |
| Col122 | 34 | -0.29 | 21.18 | -0.45 | 3.32 | 1.82 | 2.65 | 0.01 | 0.13 | 0.67 | 0.00 |
| Col122 | 35 | -0.06 | 21.18 | -0.45 | 3.32 | 1.82 | 2.65 | 0.00 | 0.13 | 0.69 | 0.00 |
| Col122 | 36 | 0.15 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col122 | 37 | 0.15 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col122 | 38 | 0.75 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col122 | 39 | 0.75 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col122 | 40 | 0.55 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col122 | 41 | 0.55 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col122 | 42 | 0.55 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col122 | 43 | 0.55 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col122 | 44 | 0.09 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col122 | 45 | 0.09 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col122 | 46 | 0.79 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col122 | 47 | 0.34 | 7.85 | -0.34 | 3.32 | 1.37 | 2.65 | 0.04 | 0.10 | 0.56 | 0.00 |
| Col122 | 48 | 0.51 | 7.85 | -0.34 | 3.32 | 1.37 | 2.65 | 0.07 | 0.10 | 0.58 | 0.00 |
| Col122 | 49 | 0.14 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col122 | 50 | 0.15 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col122 | 51 | 0.09 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col122 | 52 | 0.09 | 7.85 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col123 | 1 | 0.94 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.12 | 0.00 | 0.12 | 0.00 |
| Col123 | 2 | 0.14 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col123 | 3 | 0.68 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col123 | 4 | 0.68 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col123 | 5 | 0.74 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col123 | 6 | 0.55 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |

| | | | | | | | | | | | |
|-------|----|-------|-------|-------|------|-------|------|------|------|------|------|
| Col23 | 7 | 0.55 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col23 | 8 | -0.42 | 21.18 | 0.40 | 3.32 | -1.61 | 2.65 | 0.02 | 0.12 | 0.59 | 0.00 |
| Col23 | 9 | -0.19 | 21.18 | 0.40 | 3.32 | -1.61 | 2.65 | 0.01 | 0.12 | 0.60 | 0.00 |
| Col23 | 10 | -0.42 | 21.18 | -0.44 | 3.32 | 1.78 | 2.65 | 0.02 | 0.13 | 0.65 | 0.00 |
| Col23 | 11 | -0.19 | 21.18 | -0.44 | 3.32 | 1.78 | 2.65 | 0.01 | 0.13 | 0.66 | 0.00 |
| Col23 | 12 | -0.42 | 21.18 | -0.44 | 3.32 | 1.78 | 2.65 | 0.02 | 0.13 | 0.65 | 0.00 |
| Col23 | 13 | -0.19 | 21.18 | -0.44 | 3.32 | 1.78 | 2.65 | 0.01 | 0.13 | 0.66 | 0.00 |
| Col23 | 14 | -0.26 | 21.18 | -0.44 | 3.32 | 1.78 | 2.65 | 0.01 | 0.13 | 0.66 | 0.00 |
| Col23 | 15 | -0.03 | 21.18 | -0.44 | 3.32 | 1.78 | 2.65 | 0.00 | 0.13 | 0.67 | 0.00 |
| Col23 | 16 | 0.46 | 7.94 | -0.33 | 3.32 | 1.33 | 2.65 | 0.06 | 0.10 | 0.56 | 0.00 |
| Col23 | 17 | 0.63 | 7.94 | -0.33 | 3.32 | 1.33 | 2.65 | 0.08 | 0.10 | 0.58 | 0.00 |
| Col23 | 18 | 0.33 | 7.94 | -0.33 | 3.32 | 1.33 | 2.65 | 0.04 | 0.10 | 0.55 | 0.00 |
| Col23 | 19 | 0.51 | 7.94 | -0.33 | 3.32 | 1.33 | 2.65 | 0.06 | 0.10 | 0.57 | 0.00 |
| Col23 | 20 | 0.26 | 7.94 | -0.33 | 3.32 | 1.33 | 2.65 | 0.03 | 0.10 | 0.54 | 0.00 |
| Col23 | 21 | 0.43 | 7.94 | -0.33 | 3.32 | 1.33 | 2.65 | 0.05 | 0.10 | 0.56 | 0.00 |
| Col23 | 22 | 0.14 | 7.94 | -0.33 | 3.32 | 1.33 | 2.65 | 0.02 | 0.10 | 0.52 | 0.00 |
| Col23 | 23 | 0.31 | 7.94 | -0.33 | 3.32 | 1.33 | 2.65 | 0.04 | 0.10 | 0.54 | 0.00 |
| Col23 | 24 | 0.26 | 7.94 | -0.33 | 3.32 | 1.33 | 2.65 | 0.03 | 0.10 | 0.54 | 0.00 |
| Col23 | 25 | 0.43 | 7.94 | -0.33 | 3.32 | 1.33 | 2.65 | 0.05 | 0.10 | 0.56 | 0.00 |
| Col23 | 26 | 0.14 | 7.94 | -0.33 | 3.32 | 1.33 | 2.65 | 0.02 | 0.10 | 0.52 | 0.00 |
| Col23 | 27 | 0.31 | 7.94 | -0.33 | 3.32 | 1.33 | 2.65 | 0.04 | 0.10 | 0.54 | 0.00 |
| Col23 | 28 | -0.46 | 21.18 | 0.40 | 3.32 | -1.61 | 2.65 | 0.02 | 0.12 | 0.59 | 0.00 |
| Col23 | 29 | -0.22 | 21.18 | 0.40 | 3.32 | -1.61 | 2.65 | 0.01 | 0.12 | 0.60 | 0.00 |
| Col23 | 30 | -0.46 | 21.18 | -0.44 | 3.32 | 1.78 | 2.65 | 0.02 | 0.13 | 0.65 | 0.00 |
| Col23 | 31 | -0.22 | 21.18 | -0.44 | 3.32 | 1.78 | 2.65 | 0.01 | 0.13 | 0.66 | 0.00 |
| Col23 | 32 | -0.46 | 21.18 | -0.44 | 3.32 | 1.78 | 2.65 | 0.02 | 0.13 | 0.65 | 0.00 |
| Col23 | 33 | -0.22 | 21.18 | -0.44 | 3.32 | 1.78 | 2.65 | 0.01 | 0.13 | 0.66 | 0.00 |
| Col23 | 34 | -0.29 | 21.18 | -0.44 | 3.32 | 1.78 | 2.65 | 0.01 | 0.13 | 0.66 | 0.00 |
| Col23 | 35 | -0.06 | 21.18 | -0.44 | 3.32 | 1.78 | 2.65 | 0.00 | 0.13 | 0.67 | 0.00 |
| Col23 | 36 | 0.15 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col23 | 37 | 0.15 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col23 | 38 | 0.75 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col23 | 39 | 0.75 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col23 | 40 | 0.55 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col23 | 41 | 0.55 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col23 | 42 | 0.55 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col23 | 43 | 0.55 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col23 | 44 | 0.09 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col23 | 45 | 0.09 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col23 | 46 | 0.79 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col23 | 47 | 0.34 | 7.94 | -0.33 | 3.32 | 1.33 | 2.65 | 0.04 | 0.10 | 0.55 | 0.00 |
| Col23 | 48 | 0.51 | 7.94 | -0.33 | 3.32 | 1.33 | 2.65 | 0.06 | 0.10 | 0.57 | 0.00 |
| Col23 | 49 | 0.14 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col23 | 50 | 0.14 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col23 | 51 | 0.09 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col23 | 52 | 0.09 | 7.94 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col24 | 1 | 0.94 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.12 | 0.00 | 0.12 | 0.00 |
| Col24 | 2 | 0.14 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col24 | 3 | 0.68 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col24 | 4 | 0.68 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col24 | 5 | 0.74 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col24 | 6 | 0.55 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col24 | 7 | 0.55 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col24 | 8 | -0.42 | 21.18 | 0.40 | 3.32 | -1.57 | 2.65 | 0.02 | 0.12 | 0.57 | 0.00 |
| Col24 | 9 | -0.19 | 21.18 | 0.40 | 3.32 | -1.57 | 2.65 | 0.01 | 0.12 | 0.58 | 0.00 |
| Col24 | 10 | -0.42 | 21.18 | -0.44 | 3.32 | 1.73 | 2.65 | 0.02 | 0.13 | 0.63 | 0.00 |
| Col24 | 11 | -0.19 | 21.18 | -0.44 | 3.32 | 1.73 | 2.65 | 0.01 | 0.13 | 0.64 | 0.00 |
| Col24 | 12 | -0.42 | 21.18 | -0.44 | 3.32 | 1.73 | 2.65 | 0.02 | 0.13 | 0.63 | 0.00 |
| Col24 | 13 | -0.19 | 21.18 | -0.44 | 3.32 | 1.73 | 2.65 | 0.01 | 0.13 | 0.64 | 0.00 |
| Col24 | 14 | -0.26 | 21.18 | -0.44 | 3.32 | 1.73 | 2.65 | 0.01 | 0.13 | 0.64 | 0.00 |
| Col24 | 15 | -0.03 | 21.18 | -0.44 | 3.32 | 1.73 | 2.65 | 0.00 | 0.13 | 0.65 | 0.00 |
| Col24 | 16 | 0.46 | 8.03 | -0.33 | 3.32 | 1.30 | 2.65 | 0.06 | 0.10 | 0.55 | 0.00 |
| Col24 | 17 | 0.63 | 8.03 | -0.33 | 3.32 | 1.30 | 2.65 | 0.08 | 0.10 | 0.57 | 0.00 |
| Col24 | 18 | 0.33 | 8.03 | -0.33 | 3.32 | 1.30 | 2.65 | 0.04 | 0.10 | 0.53 | 0.00 |
| Col24 | 19 | 0.51 | 8.03 | -0.33 | 3.32 | 1.30 | 2.65 | 0.06 | 0.10 | 0.55 | 0.00 |

| | | | | | | | | | | | |
|-------|----|-------|-------|-------|------|-------|------|------|------|------|------|
| Col24 | 20 | 0.26 | 8.03 | -0.33 | 3.32 | 1.30 | 2.65 | 0.03 | 0.10 | 0.52 | 0.00 |
| Col24 | 21 | 0.43 | 8.03 | -0.33 | 3.32 | 1.30 | 2.65 | 0.05 | 0.10 | 0.54 | 0.00 |
| Col24 | 22 | 0.13 | 8.03 | -0.33 | 3.32 | 1.30 | 2.65 | 0.02 | 0.10 | 0.51 | 0.00 |
| Col24 | 23 | 0.31 | 8.03 | -0.33 | 3.32 | 1.30 | 2.65 | 0.04 | 0.10 | 0.53 | 0.00 |
| Col24 | 24 | 0.26 | 8.03 | -0.33 | 3.32 | 1.30 | 2.65 | 0.03 | 0.10 | 0.52 | 0.00 |
| Col24 | 25 | 0.43 | 8.03 | -0.33 | 3.32 | 1.30 | 2.65 | 0.05 | 0.10 | 0.54 | 0.00 |
| Col24 | 26 | 0.13 | 8.03 | -0.33 | 3.32 | 1.30 | 2.65 | 0.02 | 0.10 | 0.51 | 0.00 |
| Col24 | 27 | 0.31 | 8.03 | -0.33 | 3.32 | 1.30 | 2.65 | 0.04 | 0.10 | 0.53 | 0.00 |
| Col24 | 28 | -0.46 | 21.18 | 0.40 | 3.32 | -1.57 | 2.65 | 0.02 | 0.12 | 0.57 | 0.00 |
| Col24 | 29 | -0.22 | 21.18 | 0.40 | 3.32 | -1.57 | 2.65 | 0.01 | 0.12 | 0.58 | 0.00 |
| Col24 | 30 | -0.46 | 21.18 | -0.44 | 3.32 | 1.73 | 2.65 | 0.02 | 0.13 | 0.63 | 0.00 |
| Col24 | 31 | -0.22 | 21.18 | -0.44 | 3.32 | 1.73 | 2.65 | 0.01 | 0.13 | 0.64 | 0.00 |
| Col24 | 32 | -0.46 | 21.18 | -0.44 | 3.32 | 1.73 | 2.65 | 0.02 | 0.13 | 0.63 | 0.00 |
| Col24 | 33 | -0.22 | 21.18 | -0.44 | 3.32 | 1.73 | 2.65 | 0.01 | 0.13 | 0.64 | 0.00 |
| Col24 | 34 | -0.29 | 21.18 | -0.44 | 3.32 | 1.73 | 2.65 | 0.01 | 0.13 | 0.64 | 0.00 |
| Col24 | 35 | -0.06 | 21.18 | -0.44 | 3.32 | 1.73 | 2.65 | 0.00 | 0.13 | 0.65 | 0.00 |
| Col24 | 36 | 0.15 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col24 | 37 | 0.15 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col24 | 38 | 0.75 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col24 | 39 | 0.75 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col24 | 40 | 0.55 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col24 | 41 | 0.55 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col24 | 42 | 0.55 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col24 | 43 | 0.55 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col24 | 44 | 0.09 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col24 | 45 | 0.09 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col24 | 46 | 0.78 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col24 | 47 | 0.34 | 8.03 | -0.33 | 3.32 | 1.30 | 2.65 | 0.04 | 0.10 | 0.53 | 0.00 |
| Col24 | 48 | 0.51 | 8.03 | -0.33 | 3.32 | 1.30 | 2.65 | 0.06 | 0.10 | 0.55 | 0.00 |
| Col24 | 49 | 0.14 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col24 | 50 | 0.14 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col24 | 51 | 0.09 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col24 | 52 | 0.09 | 8.03 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col25 | 1 | 0.94 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.12 | 0.00 | 0.12 | 0.00 |
| Col25 | 2 | 0.14 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col25 | 3 | 0.68 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col25 | 4 | 0.68 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col25 | 5 | 0.74 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col25 | 6 | 0.55 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col25 | 7 | 0.55 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col25 | 8 | -0.42 | 21.18 | 0.39 | 3.32 | -1.53 | 2.65 | 0.02 | 0.12 | 0.56 | 0.00 |
| Col25 | 9 | -0.19 | 21.18 | 0.39 | 3.32 | -1.53 | 2.65 | 0.01 | 0.12 | 0.57 | 0.00 |
| Col25 | 10 | -0.42 | 21.18 | -0.43 | 3.32 | 1.68 | 2.65 | 0.02 | 0.13 | 0.62 | 0.00 |
| Col25 | 11 | -0.19 | 21.18 | -0.43 | 3.32 | 1.68 | 2.65 | 0.01 | 0.13 | 0.63 | 0.00 |
| Col25 | 12 | -0.42 | 21.18 | -0.43 | 3.32 | 1.68 | 2.65 | 0.02 | 0.13 | 0.62 | 0.00 |
| Col25 | 13 | -0.19 | 21.18 | -0.43 | 3.32 | 1.68 | 2.65 | 0.01 | 0.13 | 0.63 | 0.00 |
| Col25 | 14 | -0.26 | 21.18 | -0.43 | 3.32 | 1.68 | 2.65 | 0.01 | 0.13 | 0.62 | 0.00 |
| Col25 | 15 | -0.03 | 21.18 | -0.43 | 3.32 | 1.68 | 2.65 | 0.00 | 0.13 | 0.64 | 0.00 |
| Col25 | 16 | 0.46 | 8.12 | -0.32 | 3.32 | 1.26 | 2.65 | 0.06 | 0.10 | 0.53 | 0.00 |
| Col25 | 17 | 0.63 | 8.12 | -0.32 | 3.32 | 1.26 | 2.65 | 0.08 | 0.10 | 0.56 | 0.00 |
| Col25 | 18 | 0.33 | 8.12 | -0.32 | 3.32 | 1.26 | 2.65 | 0.04 | 0.10 | 0.52 | 0.00 |
| Col25 | 19 | 0.51 | 8.12 | -0.32 | 3.32 | 1.26 | 2.65 | 0.06 | 0.10 | 0.54 | 0.00 |
| Col25 | 20 | 0.26 | 8.12 | -0.32 | 3.32 | 1.26 | 2.65 | 0.03 | 0.10 | 0.51 | 0.00 |
| Col25 | 21 | 0.43 | 8.12 | -0.32 | 3.32 | 1.26 | 2.65 | 0.05 | 0.10 | 0.53 | 0.00 |
| Col25 | 22 | 0.13 | 8.12 | -0.32 | 3.32 | 1.26 | 2.65 | 0.02 | 0.10 | 0.49 | 0.00 |
| Col25 | 23 | 0.31 | 8.12 | -0.32 | 3.32 | 1.26 | 2.65 | 0.04 | 0.10 | 0.52 | 0.00 |
| Col25 | 24 | 0.26 | 8.12 | -0.32 | 3.32 | 1.26 | 2.65 | 0.03 | 0.10 | 0.51 | 0.00 |
| Col25 | 25 | 0.43 | 8.12 | -0.32 | 3.32 | 1.26 | 2.65 | 0.05 | 0.10 | 0.53 | 0.00 |
| Col25 | 26 | 0.13 | 8.12 | -0.32 | 3.32 | 1.26 | 2.65 | 0.02 | 0.10 | 0.49 | 0.00 |
| Col25 | 27 | 0.31 | 8.12 | -0.32 | 3.32 | 1.26 | 2.65 | 0.04 | 0.10 | 0.52 | 0.00 |
| Col25 | 28 | -0.46 | 21.18 | 0.39 | 3.32 | -1.53 | 2.65 | 0.02 | 0.12 | 0.56 | 0.00 |
| Col25 | 29 | -0.22 | 21.18 | 0.39 | 3.32 | -1.53 | 2.65 | 0.01 | 0.12 | 0.57 | 0.00 |
| Col25 | 30 | -0.46 | 21.18 | -0.43 | 3.32 | 1.68 | 2.65 | 0.02 | 0.13 | 0.61 | 0.00 |
| Col25 | 31 | -0.22 | 21.18 | -0.43 | 3.32 | 1.68 | 2.65 | 0.01 | 0.13 | 0.63 | 0.00 |
| Col25 | 32 | -0.46 | 21.18 | -0.43 | 3.32 | 1.68 | 2.65 | 0.02 | 0.13 | 0.61 | 0.00 |

| | | | | | | | | | | | |
|-------|----|-------|-------|-------|------|-------|------|------|------|------|------|
| Col25 | 33 | -0.22 | 21.18 | -0.43 | 3.32 | 1.68 | 2.65 | 0.01 | 0.13 | 0.63 | 0.00 |
| Col25 | 34 | -0.29 | 21.18 | -0.43 | 3.32 | 1.68 | 2.65 | 0.01 | 0.13 | 0.62 | 0.00 |
| Col25 | 35 | -0.06 | 21.18 | -0.43 | 3.32 | 1.68 | 2.65 | 0.00 | 0.13 | 0.63 | 0.00 |
| Col25 | 36 | 0.15 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col25 | 37 | 0.15 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col25 | 38 | 0.75 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col25 | 39 | 0.75 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col25 | 40 | 0.55 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col25 | 41 | 0.55 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col25 | 42 | 0.55 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col25 | 43 | 0.55 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col25 | 44 | 0.09 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col25 | 45 | 0.09 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col25 | 46 | 0.78 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col25 | 47 | 0.34 | 8.12 | -0.32 | 3.32 | 1.26 | 2.65 | 0.04 | 0.10 | 0.52 | 0.00 |
| Col25 | 48 | 0.51 | 8.12 | -0.32 | 3.32 | 1.26 | 2.65 | 0.06 | 0.10 | 0.54 | 0.00 |
| Col25 | 49 | 0.14 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col25 | 50 | 0.14 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col25 | 51 | 0.09 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col25 | 52 | 0.09 | 8.12 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col26 | 1 | 0.94 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.11 | 0.00 | 0.11 | 0.00 |
| Col26 | 2 | 0.14 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col26 | 3 | 0.68 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col26 | 4 | 0.68 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col26 | 5 | 0.74 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col26 | 6 | 0.55 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col26 | 7 | 0.55 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col26 | 8 | -0.43 | 21.18 | 0.38 | 3.32 | -1.49 | 2.65 | 0.02 | 0.12 | 0.54 | 0.00 |
| Col26 | 9 | -0.19 | 21.18 | 0.38 | 3.32 | -1.49 | 2.65 | 0.01 | 0.12 | 0.55 | 0.00 |
| Col26 | 10 | -0.43 | 21.18 | -0.42 | 3.32 | 1.64 | 2.65 | 0.02 | 0.13 | 0.60 | 0.00 |
| Col26 | 11 | -0.19 | 21.18 | -0.42 | 3.32 | 1.64 | 2.65 | 0.01 | 0.13 | 0.61 | 0.00 |
| Col26 | 12 | -0.43 | 21.18 | -0.42 | 3.32 | 1.64 | 2.65 | 0.02 | 0.13 | 0.60 | 0.00 |
| Col26 | 13 | -0.19 | 21.18 | -0.42 | 3.32 | 1.64 | 2.65 | 0.01 | 0.13 | 0.61 | 0.00 |
| Col26 | 14 | -0.26 | 21.18 | -0.42 | 3.32 | 1.64 | 2.65 | 0.01 | 0.13 | 0.61 | 0.00 |
| Col26 | 15 | -0.03 | 21.18 | -0.42 | 3.32 | 1.64 | 2.65 | 0.00 | 0.13 | 0.62 | 0.00 |
| Col26 | 16 | 0.46 | 8.20 | -0.32 | 3.32 | 1.23 | 2.65 | 0.06 | 0.10 | 0.52 | 0.00 |
| Col26 | 17 | 0.63 | 8.20 | -0.32 | 3.32 | 1.23 | 2.65 | 0.08 | 0.10 | 0.54 | 0.00 |
| Col26 | 18 | 0.33 | 8.20 | -0.32 | 3.32 | 1.23 | 2.65 | 0.04 | 0.10 | 0.51 | 0.00 |
| Col26 | 19 | 0.51 | 8.20 | -0.32 | 3.32 | 1.23 | 2.65 | 0.06 | 0.10 | 0.53 | 0.00 |
| Col26 | 20 | 0.26 | 8.20 | -0.32 | 3.32 | 1.23 | 2.65 | 0.03 | 0.10 | 0.50 | 0.00 |
| Col26 | 21 | 0.43 | 8.20 | -0.32 | 3.32 | 1.23 | 2.65 | 0.05 | 0.10 | 0.52 | 0.00 |
| Col26 | 22 | 0.13 | 8.20 | -0.32 | 3.32 | 1.23 | 2.65 | 0.02 | 0.10 | 0.48 | 0.00 |
| Col26 | 23 | 0.31 | 8.20 | -0.32 | 3.32 | 1.23 | 2.65 | 0.04 | 0.10 | 0.50 | 0.00 |
| Col26 | 24 | 0.26 | 8.20 | -0.32 | 3.32 | 1.23 | 2.65 | 0.03 | 0.10 | 0.50 | 0.00 |
| Col26 | 25 | 0.43 | 8.20 | -0.32 | 3.32 | 1.23 | 2.65 | 0.05 | 0.10 | 0.52 | 0.00 |
| Col26 | 26 | 0.13 | 8.20 | -0.32 | 3.32 | 1.23 | 2.65 | 0.02 | 0.10 | 0.48 | 0.00 |
| Col26 | 27 | 0.31 | 8.20 | -0.32 | 3.32 | 1.23 | 2.65 | 0.04 | 0.10 | 0.50 | 0.00 |
| Col26 | 28 | -0.46 | 21.18 | 0.38 | 3.32 | -1.49 | 2.65 | 0.02 | 0.12 | 0.54 | 0.00 |
| Col26 | 29 | -0.22 | 21.18 | 0.38 | 3.32 | -1.49 | 2.65 | 0.01 | 0.12 | 0.55 | 0.00 |
| Col26 | 30 | -0.46 | 21.18 | -0.42 | 3.32 | 1.64 | 2.65 | 0.02 | 0.13 | 0.60 | 0.00 |
| Col26 | 31 | -0.22 | 21.18 | -0.42 | 3.32 | 1.64 | 2.65 | 0.01 | 0.13 | 0.61 | 0.00 |
| Col26 | 32 | -0.46 | 21.18 | -0.42 | 3.32 | 1.64 | 2.65 | 0.02 | 0.13 | 0.60 | 0.00 |
| Col26 | 33 | -0.22 | 21.18 | -0.42 | 3.32 | 1.64 | 2.65 | 0.01 | 0.13 | 0.61 | 0.00 |
| Col26 | 34 | -0.29 | 21.18 | -0.42 | 3.32 | 1.64 | 2.65 | 0.01 | 0.13 | 0.61 | 0.00 |
| Col26 | 35 | -0.06 | 21.18 | -0.42 | 3.32 | 1.64 | 2.65 | 0.00 | 0.13 | 0.62 | 0.00 |
| Col26 | 36 | 0.15 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col26 | 37 | 0.15 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col26 | 38 | 0.75 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col26 | 39 | 0.75 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col26 | 40 | 0.55 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col26 | 41 | 0.55 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col26 | 42 | 0.55 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col26 | 43 | 0.55 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col26 | 44 | 0.09 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col26 | 45 | 0.09 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |

| | | | | | | | | | | | |
|-------|----|-------|-------|-------|------|-------|------|------|------|------|------|
| Col26 | 46 | 0.78 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.10 | 0.00 | 0.10 | 0.00 |
| Col26 | 47 | 0.34 | 8.20 | -0.32 | 3.32 | 1.23 | 2.65 | 0.04 | 0.10 | 0.51 | 0.00 |
| Col26 | 48 | 0.51 | 8.20 | -0.32 | 3.32 | 1.23 | 2.65 | 0.06 | 0.10 | 0.53 | 0.00 |
| Col26 | 49 | 0.14 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col26 | 50 | 0.14 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col26 | 51 | 0.09 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col26 | 52 | 0.09 | 8.20 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col27 | 1 | 0.94 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.11 | 0.00 | 0.11 | 0.00 |
| Col27 | 2 | 0.14 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col27 | 3 | 0.68 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col27 | 4 | 0.68 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col27 | 5 | 0.74 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col27 | 6 | 0.54 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col27 | 7 | 0.54 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col27 | 8 | -0.43 | 21.18 | 0.38 | 3.32 | -1.45 | 2.65 | 0.02 | 0.11 | 0.53 | 0.00 |
| Col27 | 9 | -0.19 | 21.18 | 0.38 | 3.32 | -1.45 | 2.65 | 0.01 | 0.11 | 0.54 | 0.00 |
| Col27 | 10 | -0.43 | 21.18 | -0.42 | 3.32 | 1.60 | 2.65 | 0.02 | 0.13 | 0.58 | 0.00 |
| Col27 | 11 | -0.19 | 21.18 | -0.42 | 3.32 | 1.60 | 2.65 | 0.01 | 0.13 | 0.59 | 0.00 |
| Col27 | 12 | -0.43 | 21.18 | -0.42 | 3.32 | 1.60 | 2.65 | 0.02 | 0.13 | 0.58 | 0.00 |
| Col27 | 13 | -0.19 | 21.18 | -0.42 | 3.32 | 1.60 | 2.65 | 0.01 | 0.13 | 0.59 | 0.00 |
| Col27 | 14 | -0.26 | 21.18 | -0.42 | 3.32 | 1.60 | 2.65 | 0.01 | 0.13 | 0.59 | 0.00 |
| Col27 | 15 | -0.03 | 21.18 | -0.42 | 3.32 | 1.60 | 2.65 | 0.00 | 0.13 | 0.60 | 0.00 |
| Col27 | 16 | 0.45 | 8.29 | -0.31 | 3.32 | 1.20 | 2.65 | 0.05 | 0.09 | 0.51 | 0.00 |
| Col27 | 17 | 0.63 | 8.29 | -0.31 | 3.32 | 1.20 | 2.65 | 0.08 | 0.09 | 0.53 | 0.00 |
| Col27 | 18 | 0.33 | 8.29 | -0.31 | 3.32 | 1.20 | 2.65 | 0.04 | 0.09 | 0.49 | 0.00 |
| Col27 | 19 | 0.51 | 8.29 | -0.31 | 3.32 | 1.20 | 2.65 | 0.06 | 0.09 | 0.51 | 0.00 |
| Col27 | 20 | 0.26 | 8.29 | -0.31 | 3.32 | 1.20 | 2.65 | 0.03 | 0.09 | 0.48 | 0.00 |
| Col27 | 21 | 0.43 | 8.29 | -0.31 | 3.32 | 1.20 | 2.65 | 0.05 | 0.09 | 0.50 | 0.00 |
| Col27 | 22 | 0.13 | 8.29 | -0.31 | 3.32 | 1.20 | 2.65 | 0.02 | 0.09 | 0.47 | 0.00 |
| Col27 | 23 | 0.31 | 8.29 | -0.31 | 3.32 | 1.20 | 2.65 | 0.04 | 0.09 | 0.49 | 0.00 |
| Col27 | 24 | 0.26 | 8.29 | -0.31 | 3.32 | 1.20 | 2.65 | 0.03 | 0.09 | 0.48 | 0.00 |
| Col27 | 25 | 0.43 | 8.29 | -0.31 | 3.32 | 1.20 | 2.65 | 0.05 | 0.09 | 0.50 | 0.00 |
| Col27 | 26 | 0.13 | 8.29 | -0.31 | 3.32 | 1.20 | 2.65 | 0.02 | 0.09 | 0.47 | 0.00 |
| Col27 | 27 | 0.31 | 8.29 | -0.31 | 3.32 | 1.20 | 2.65 | 0.04 | 0.09 | 0.49 | 0.00 |
| Col27 | 28 | -0.46 | 21.18 | 0.38 | 3.32 | -1.45 | 2.65 | 0.02 | 0.11 | 0.53 | 0.00 |
| Col27 | 29 | -0.22 | 21.18 | 0.38 | 3.32 | -1.45 | 2.65 | 0.01 | 0.11 | 0.54 | 0.00 |
| Col27 | 30 | -0.46 | 21.18 | -0.42 | 3.32 | 1.60 | 2.65 | 0.02 | 0.13 | 0.58 | 0.00 |
| Col27 | 31 | -0.22 | 21.18 | -0.42 | 3.32 | 1.60 | 2.65 | 0.01 | 0.13 | 0.59 | 0.00 |
| Col27 | 32 | -0.46 | 21.18 | -0.42 | 3.32 | 1.60 | 2.65 | 0.02 | 0.13 | 0.58 | 0.00 |
| Col27 | 33 | -0.22 | 21.18 | -0.42 | 3.32 | 1.60 | 2.65 | 0.01 | 0.13 | 0.59 | 0.00 |
| Col27 | 34 | -0.29 | 21.18 | -0.42 | 3.32 | 1.60 | 2.65 | 0.01 | 0.13 | 0.59 | 0.00 |
| Col27 | 35 | -0.06 | 21.18 | -0.42 | 3.32 | 1.60 | 2.65 | 0.00 | 0.13 | 0.60 | 0.00 |
| Col27 | 36 | 0.15 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col27 | 37 | 0.15 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col27 | 38 | 0.74 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col27 | 39 | 0.74 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col27 | 40 | 0.55 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col27 | 41 | 0.55 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col27 | 42 | 0.55 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col27 | 43 | 0.55 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col27 | 44 | 0.09 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col27 | 45 | 0.09 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col27 | 46 | 0.78 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col27 | 47 | 0.34 | 8.29 | -0.31 | 3.32 | 1.20 | 2.65 | 0.04 | 0.09 | 0.49 | 0.00 |
| Col27 | 48 | 0.51 | 8.29 | -0.31 | 3.32 | 1.20 | 2.65 | 0.06 | 0.09 | 0.51 | 0.00 |
| Col27 | 49 | 0.14 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col27 | 50 | 0.14 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col27 | 51 | 0.09 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col27 | 52 | 0.09 | 8.29 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col28 | 1 | 0.94 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.11 | 0.00 | 0.11 | 0.00 |
| Col28 | 2 | 0.14 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col28 | 3 | 0.68 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col28 | 4 | 0.68 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.08 | 0.00 | 0.08 | 0.00 |
| Col28 | 5 | 0.74 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col28 | 6 | 0.54 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.06 | 0.00 | 0.06 | 0.00 |

| | | | | | | | | | | | |
|-------|----|-------|-------|-------|------|-------|------|------|------|------|------|
| Col28 | 7 | 0.54 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.06 | 0.00 | 0.06 | 0.00 |
| Col28 | 8 | -0.43 | 21.18 | 0.37 | 3.32 | -1.41 | 2.65 | 0.02 | 0.11 | 0.51 | 0.00 |
| Col28 | 9 | -0.19 | 21.18 | 0.37 | 3.32 | -1.41 | 2.65 | 0.01 | 0.11 | 0.52 | 0.00 |
| Col28 | 10 | -0.43 | 21.18 | -0.43 | 3.32 | 1.61 | 2.65 | 0.02 | 0.13 | 0.59 | 0.00 |
| Col28 | 11 | -0.19 | 21.18 | -0.43 | 3.32 | 1.61 | 2.65 | 0.01 | 0.13 | 0.60 | 0.00 |
| Col28 | 12 | -0.43 | 21.18 | -0.43 | 3.32 | 1.61 | 2.65 | 0.02 | 0.13 | 0.59 | 0.00 |
| Col28 | 13 | -0.19 | 21.18 | -0.43 | 3.32 | 1.61 | 2.65 | 0.01 | 0.13 | 0.60 | 0.00 |
| Col28 | 14 | -0.26 | 21.18 | -0.43 | 3.32 | 1.61 | 2.65 | 0.01 | 0.13 | 0.59 | 0.00 |
| Col28 | 15 | -0.03 | 21.18 | -0.43 | 3.32 | 1.61 | 2.65 | 0.00 | 0.13 | 0.61 | 0.00 |
| Col28 | 16 | 0.45 | 8.38 | -0.32 | 3.32 | 1.21 | 2.65 | 0.05 | 0.10 | 0.51 | 0.00 |
| Col28 | 17 | 0.63 | 8.38 | -0.32 | 3.32 | 1.21 | 2.65 | 0.08 | 0.10 | 0.53 | 0.00 |
| Col28 | 18 | 0.33 | 8.38 | -0.32 | 3.32 | 1.21 | 2.65 | 0.04 | 0.10 | 0.49 | 0.00 |
| Col28 | 19 | 0.51 | 8.38 | -0.32 | 3.32 | 1.21 | 2.65 | 0.06 | 0.10 | 0.52 | 0.00 |
| Col28 | 20 | 0.26 | 8.38 | -0.32 | 3.32 | 1.21 | 2.65 | 0.03 | 0.10 | 0.49 | 0.00 |
| Col28 | 21 | 0.43 | 8.38 | -0.32 | 3.32 | 1.21 | 2.65 | 0.05 | 0.10 | 0.51 | 0.00 |
| Col28 | 22 | 0.13 | 8.38 | -0.32 | 3.32 | 1.21 | 2.65 | 0.02 | 0.10 | 0.47 | 0.00 |
| Col28 | 23 | 0.31 | 8.38 | -0.32 | 3.32 | 1.21 | 2.65 | 0.04 | 0.10 | 0.49 | 0.00 |
| Col28 | 24 | 0.26 | 8.38 | -0.32 | 3.32 | 1.21 | 2.65 | 0.03 | 0.10 | 0.49 | 0.00 |
| Col28 | 25 | 0.43 | 8.38 | -0.32 | 3.32 | 1.21 | 2.65 | 0.05 | 0.10 | 0.51 | 0.00 |
| Col28 | 26 | 0.13 | 8.38 | -0.32 | 3.32 | 1.21 | 2.65 | 0.02 | 0.10 | 0.47 | 0.00 |
| Col28 | 27 | 0.31 | 8.38 | -0.32 | 3.32 | 1.21 | 2.65 | 0.04 | 0.10 | 0.49 | 0.00 |
| Col28 | 28 | -0.46 | 21.18 | 0.37 | 3.32 | -1.41 | 2.65 | 0.02 | 0.11 | 0.51 | 0.00 |
| Col28 | 29 | -0.23 | 21.18 | 0.37 | 3.32 | -1.41 | 2.65 | 0.01 | 0.11 | 0.52 | 0.00 |
| Col28 | 30 | -0.46 | 21.18 | -0.43 | 3.32 | 1.61 | 2.65 | 0.02 | 0.13 | 0.59 | 0.00 |
| Col28 | 31 | -0.23 | 21.18 | -0.43 | 3.32 | 1.61 | 2.65 | 0.01 | 0.13 | 0.60 | 0.00 |
| Col28 | 32 | -0.46 | 21.18 | -0.43 | 3.32 | 1.61 | 2.65 | 0.02 | 0.13 | 0.59 | 0.00 |
| Col28 | 33 | -0.23 | 21.18 | -0.43 | 3.32 | 1.61 | 2.65 | 0.01 | 0.13 | 0.60 | 0.00 |
| Col28 | 34 | -0.29 | 21.18 | -0.43 | 3.32 | 1.61 | 2.65 | 0.01 | 0.13 | 0.59 | 0.00 |
| Col28 | 35 | -0.06 | 21.18 | -0.43 | 3.32 | 1.61 | 2.65 | 0.00 | 0.13 | 0.60 | 0.00 |
| Col28 | 36 | 0.15 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col28 | 37 | 0.15 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col28 | 38 | 0.74 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col28 | 39 | 0.74 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col28 | 40 | 0.55 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col28 | 41 | 0.55 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col28 | 42 | 0.55 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col28 | 43 | 0.55 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.07 | 0.00 | 0.07 | 0.00 |
| Col28 | 44 | 0.09 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col28 | 45 | 0.09 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col28 | 46 | 0.78 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.09 | 0.00 | 0.09 | 0.00 |
| Col28 | 47 | 0.33 | 8.38 | -0.32 | 3.32 | 1.21 | 2.65 | 0.04 | 0.10 | 0.50 | 0.00 |
| Col28 | 48 | 0.51 | 8.38 | -0.32 | 3.32 | 1.21 | 2.65 | 0.06 | 0.10 | 0.52 | 0.00 |
| Col28 | 49 | 0.14 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col28 | 50 | 0.14 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col28 | 51 | 0.09 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col28 | 52 | 0.09 | 8.38 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |

COLUMN REACTIONS:

| Id | Load | | In_Plane Horz(k) | Out_Plane Horz(k) |
|-------|------|----------|----------------------|-----------------------|
| | Id | Vert(k) | | |
| Col20 | 1 | 0.95 | 0.00 | 0.00 |
| Col20 | 2 | 0.15 | 0.00 | 0.00 |
| Col20 | 3 | 0.68 | 0.00 | 0.00 |
| Col20 | 4 | 0.68 | 0.00 | 0.00 |
| Col20 | 5 | 0.75 | 0.00 | 0.00 |
| Col20 | 6 | 0.55 | 0.00 | 0.00 |
| Col20 | 7 | 0.55 | 0.00 | 0.00 |
| Col20 | 8 | -0.42 | 0.00 | -0.42 |
| Col20 | 9 | -0.19 | 0.00 | -0.42 |
| Col20 | 10 | -0.42 | 0.00 | 0.47 |
| Col20 | 11 | -0.19 | 0.00 | 0.47 |
| Col20 | 12 | -0.42 | 0.00 | 0.47 |
| Col20 | 13 | -0.19 | 0.00 | 0.47 |

| | | | | |
|--------|----|-------|------|-------|
| Col120 | 14 | -0.26 | 0.00 | 0.47 |
| Col120 | 15 | -0.02 | 0.00 | 0.47 |
| Col120 | 16 | 0.46 | 0.00 | 0.36 |
| Col120 | 17 | 0.63 | 0.00 | 0.36 |
| Col120 | 18 | 0.33 | 0.00 | 0.36 |
| Col120 | 19 | 0.51 | 0.00 | 0.36 |
| Col120 | 20 | 0.26 | 0.00 | 0.36 |
| Col120 | 21 | 0.43 | 0.00 | 0.36 |
| Col120 | 22 | 0.14 | 0.00 | 0.36 |
| Col120 | 23 | 0.31 | 0.00 | 0.36 |
| Col120 | 24 | 0.26 | 0.00 | 0.36 |
| Col120 | 25 | 0.43 | 0.00 | 0.36 |
| Col120 | 26 | 0.14 | 0.00 | 0.36 |
| Col120 | 27 | 0.31 | 0.00 | 0.36 |
| Col120 | 28 | -0.45 | 0.00 | -0.42 |
| Col120 | 29 | -0.22 | 0.00 | -0.42 |
| Col120 | 30 | -0.45 | 0.00 | 0.47 |
| Col120 | 31 | -0.22 | 0.00 | 0.47 |
| Col120 | 32 | -0.45 | 0.00 | 0.47 |
| Col120 | 33 | -0.22 | 0.00 | 0.47 |
| Col120 | 34 | -0.29 | 0.00 | 0.47 |
| Col120 | 35 | -0.06 | 0.00 | 0.47 |
| Col120 | 36 | 0.15 | 0.00 | 0.00 |
| Col120 | 37 | 0.15 | 0.00 | 0.00 |
| Col120 | 38 | 0.75 | 0.00 | 0.00 |
| Col120 | 39 | 0.75 | 0.00 | 0.00 |
| Col120 | 40 | 0.55 | 0.00 | 0.00 |
| Col120 | 41 | 0.55 | 0.00 | 0.00 |
| Col120 | 42 | 0.55 | 0.00 | 0.00 |
| Col120 | 43 | 0.55 | 0.00 | 0.00 |
| Col120 | 44 | 0.09 | 0.00 | 0.00 |
| Col120 | 45 | 0.09 | 0.00 | 0.00 |
| Col120 | 46 | 0.79 | 0.00 | 0.00 |
| Col120 | 47 | 0.34 | 0.00 | 0.36 |
| Col120 | 48 | 0.51 | 0.00 | 0.36 |
| Col120 | 49 | 0.15 | 0.00 | 0.00 |
| Col120 | 50 | 0.15 | 0.00 | 0.00 |
| Col120 | 51 | 0.09 | 0.00 | 0.00 |
| Col120 | 52 | 0.09 | 0.00 | 0.00 |
| Col121 | 1 | 0.95 | 0.00 | 0.00 |
| Col121 | 2 | 0.15 | 0.00 | 0.00 |
| Col121 | 3 | 0.68 | 0.00 | 0.00 |
| Col121 | 4 | 0.68 | 0.00 | 0.00 |
| Col121 | 5 | 0.75 | 0.00 | 0.00 |
| Col121 | 6 | 0.55 | 0.00 | 0.00 |
| Col121 | 7 | 0.55 | 0.00 | 0.00 |
| Col121 | 8 | -0.42 | 0.00 | -0.41 |
| Col121 | 9 | -0.19 | 0.00 | -0.41 |
| Col121 | 10 | -0.42 | 0.00 | 0.45 |
| Col121 | 11 | -0.19 | 0.00 | 0.45 |
| Col121 | 12 | -0.42 | 0.00 | 0.45 |
| Col121 | 13 | -0.19 | 0.00 | 0.45 |
| Col121 | 14 | -0.26 | 0.00 | 0.45 |
| Col121 | 15 | -0.03 | 0.00 | 0.45 |
| Col121 | 16 | 0.46 | 0.00 | 0.34 |
| Col121 | 17 | 0.63 | 0.00 | 0.34 |
| Col121 | 18 | 0.33 | 0.00 | 0.34 |
| Col121 | 19 | 0.51 | 0.00 | 0.34 |
| Col121 | 20 | 0.26 | 0.00 | 0.34 |
| Col121 | 21 | 0.43 | 0.00 | 0.34 |
| Col121 | 22 | 0.14 | 0.00 | 0.34 |
| Col121 | 23 | 0.31 | 0.00 | 0.34 |
| Col121 | 24 | 0.26 | 0.00 | 0.34 |
| Col121 | 25 | 0.43 | 0.00 | 0.34 |
| Col121 | 26 | 0.14 | 0.00 | 0.34 |

| | | | | |
|-------|----|-------|------|-------|
| Col21 | 27 | 0.31 | 0.00 | 0.34 |
| Col21 | 28 | -0.45 | 0.00 | -0.41 |
| Col21 | 29 | -0.22 | 0.00 | -0.41 |
| Col21 | 30 | -0.45 | 0.00 | 0.45 |
| Col21 | 31 | -0.22 | 0.00 | 0.45 |
| Col21 | 32 | -0.45 | 0.00 | 0.45 |
| Col21 | 33 | -0.22 | 0.00 | 0.45 |
| Col21 | 34 | -0.29 | 0.00 | 0.45 |
| Col21 | 35 | -0.06 | 0.00 | 0.45 |
| Col21 | 36 | 0.15 | 0.00 | 0.00 |
| Col21 | 37 | 0.15 | 0.00 | 0.00 |
| Col21 | 38 | 0.75 | 0.00 | 0.00 |
| Col21 | 39 | 0.75 | 0.00 | 0.00 |
| Col21 | 40 | 0.55 | 0.00 | 0.00 |
| Col21 | 41 | 0.55 | 0.00 | 0.00 |
| Col21 | 42 | 0.55 | 0.00 | 0.00 |
| Col21 | 43 | 0.55 | 0.00 | 0.00 |
| Col21 | 44 | 0.09 | 0.00 | 0.00 |
| Col21 | 45 | 0.09 | 0.00 | 0.00 |
| Col21 | 46 | 0.79 | 0.00 | 0.00 |
| Col21 | 47 | 0.34 | 0.00 | 0.34 |
| Col21 | 48 | 0.51 | 0.00 | 0.34 |
| Col21 | 49 | 0.15 | 0.00 | 0.00 |
| Col21 | 50 | 0.15 | 0.00 | 0.00 |
| Col21 | 51 | 0.09 | 0.00 | 0.00 |
| Col21 | 52 | 0.09 | 0.00 | 0.00 |
| Col22 | 1 | 0.94 | 0.00 | 0.00 |
| Col22 | 2 | 0.14 | 0.00 | 0.00 |
| Col22 | 3 | 0.68 | 0.00 | 0.00 |
| Col22 | 4 | 0.68 | 0.00 | 0.00 |
| Col22 | 5 | 0.74 | 0.00 | 0.00 |
| Col22 | 6 | 0.55 | 0.00 | 0.00 |
| Col22 | 7 | 0.55 | 0.00 | 0.00 |
| Col22 | 8 | -0.42 | 0.00 | -0.41 |
| Col22 | 9 | -0.19 | 0.00 | -0.41 |
| Col22 | 10 | -0.42 | 0.00 | 0.45 |
| Col22 | 11 | -0.19 | 0.00 | 0.45 |
| Col22 | 12 | -0.42 | 0.00 | 0.45 |
| Col22 | 13 | -0.19 | 0.00 | 0.45 |
| Col22 | 14 | -0.26 | 0.00 | 0.45 |
| Col22 | 15 | -0.03 | 0.00 | 0.45 |
| Col22 | 16 | 0.46 | 0.00 | 0.34 |
| Col22 | 17 | 0.63 | 0.00 | 0.34 |
| Col22 | 18 | 0.33 | 0.00 | 0.34 |
| Col22 | 19 | 0.51 | 0.00 | 0.34 |
| Col22 | 20 | 0.26 | 0.00 | 0.34 |
| Col22 | 21 | 0.43 | 0.00 | 0.34 |
| Col22 | 22 | 0.14 | 0.00 | 0.34 |
| Col22 | 23 | 0.31 | 0.00 | 0.34 |
| Col22 | 24 | 0.26 | 0.00 | 0.34 |
| Col22 | 25 | 0.43 | 0.00 | 0.34 |
| Col22 | 26 | 0.14 | 0.00 | 0.34 |
| Col22 | 27 | 0.31 | 0.00 | 0.34 |
| Col22 | 28 | -0.46 | 0.00 | -0.41 |
| Col22 | 29 | -0.22 | 0.00 | -0.41 |
| Col22 | 30 | -0.46 | 0.00 | 0.45 |
| Col22 | 31 | -0.22 | 0.00 | 0.45 |
| Col22 | 32 | -0.46 | 0.00 | 0.45 |
| Col22 | 33 | -0.22 | 0.00 | 0.45 |
| Col22 | 34 | -0.29 | 0.00 | 0.45 |
| Col22 | 35 | -0.06 | 0.00 | 0.45 |
| Col22 | 36 | 0.15 | 0.00 | 0.00 |
| Col22 | 37 | 0.15 | 0.00 | 0.00 |
| Col22 | 38 | 0.75 | 0.00 | 0.00 |
| Col22 | 39 | 0.75 | 0.00 | 0.00 |

| | | | | |
|-------|----|-------|------|-------|
| Col22 | 40 | 0.55 | 0.00 | 0.00 |
| Col22 | 41 | 0.55 | 0.00 | 0.00 |
| Col22 | 42 | 0.55 | 0.00 | 0.00 |
| Col22 | 43 | 0.55 | 0.00 | 0.00 |
| Col22 | 44 | 0.09 | 0.00 | 0.00 |
| Col22 | 45 | 0.09 | 0.00 | 0.00 |
| Col22 | 46 | 0.79 | 0.00 | 0.00 |
| Col22 | 47 | 0.34 | 0.00 | 0.34 |
| Col22 | 48 | 0.51 | 0.00 | 0.34 |
| Col22 | 49 | 0.14 | 0.00 | 0.00 |
| Col22 | 50 | 0.15 | 0.00 | 0.00 |
| Col22 | 51 | 0.09 | 0.00 | 0.00 |
| Col22 | 52 | 0.09 | 0.00 | 0.00 |
| Col23 | 1 | 0.94 | 0.00 | 0.00 |
| Col23 | 2 | 0.14 | 0.00 | 0.00 |
| Col23 | 3 | 0.68 | 0.00 | 0.00 |
| Col23 | 4 | 0.68 | 0.00 | 0.00 |
| Col23 | 5 | 0.74 | 0.00 | 0.00 |
| Col23 | 6 | 0.55 | 0.00 | 0.00 |
| Col23 | 7 | 0.55 | 0.00 | 0.00 |
| Col23 | 8 | -0.42 | 0.00 | -0.40 |
| Col23 | 9 | -0.19 | 0.00 | -0.40 |
| Col23 | 10 | -0.42 | 0.00 | 0.44 |
| Col23 | 11 | -0.19 | 0.00 | 0.44 |
| Col23 | 12 | -0.42 | 0.00 | 0.44 |
| Col23 | 13 | -0.19 | 0.00 | 0.44 |
| Col23 | 14 | -0.26 | 0.00 | 0.44 |
| Col23 | 15 | -0.03 | 0.00 | 0.44 |
| Col23 | 16 | 0.46 | 0.00 | 0.33 |
| Col23 | 17 | 0.63 | 0.00 | 0.33 |
| Col23 | 18 | 0.33 | 0.00 | 0.33 |
| Col23 | 19 | 0.51 | 0.00 | 0.33 |
| Col23 | 20 | 0.26 | 0.00 | 0.33 |
| Col23 | 21 | 0.43 | 0.00 | 0.33 |
| Col23 | 22 | 0.14 | 0.00 | 0.33 |
| Col23 | 23 | 0.31 | 0.00 | 0.33 |
| Col23 | 24 | 0.26 | 0.00 | 0.33 |
| Col23 | 25 | 0.43 | 0.00 | 0.33 |
| Col23 | 26 | 0.14 | 0.00 | 0.33 |
| Col23 | 27 | 0.31 | 0.00 | 0.33 |
| Col23 | 28 | -0.46 | 0.00 | -0.40 |
| Col23 | 29 | -0.22 | 0.00 | -0.40 |
| Col23 | 30 | -0.46 | 0.00 | 0.44 |
| Col23 | 31 | -0.22 | 0.00 | 0.44 |
| Col23 | 32 | -0.46 | 0.00 | 0.44 |
| Col23 | 33 | -0.22 | 0.00 | 0.44 |
| Col23 | 34 | -0.29 | 0.00 | 0.44 |
| Col23 | 35 | -0.06 | 0.00 | 0.44 |
| Col23 | 36 | 0.15 | 0.00 | 0.00 |
| Col23 | 37 | 0.15 | 0.00 | 0.00 |
| Col23 | 38 | 0.75 | 0.00 | 0.00 |
| Col23 | 39 | 0.75 | 0.00 | 0.00 |
| Col23 | 40 | 0.55 | 0.00 | 0.00 |
| Col23 | 41 | 0.55 | 0.00 | 0.00 |
| Col23 | 42 | 0.55 | 0.00 | 0.00 |
| Col23 | 43 | 0.55 | 0.00 | 0.00 |
| Col23 | 44 | 0.09 | 0.00 | 0.00 |
| Col23 | 45 | 0.09 | 0.00 | 0.00 |
| Col23 | 46 | 0.79 | 0.00 | 0.00 |
| Col23 | 47 | 0.34 | 0.00 | 0.33 |
| Col23 | 48 | 0.51 | 0.00 | 0.33 |
| Col23 | 49 | 0.14 | 0.00 | 0.00 |
| Col23 | 50 | 0.14 | 0.00 | 0.00 |
| Col23 | 51 | 0.09 | 0.00 | 0.00 |
| Col23 | 52 | 0.09 | 0.00 | 0.00 |

| | | | | |
|-------|----|-------|------|-------|
| Col24 | 1 | 0.94 | 0.00 | 0.00 |
| Col24 | 2 | 0.14 | 0.00 | 0.00 |
| Col24 | 3 | 0.68 | 0.00 | 0.00 |
| Col24 | 4 | 0.68 | 0.00 | 0.00 |
| Col24 | 5 | 0.74 | 0.00 | 0.00 |
| Col24 | 6 | 0.55 | 0.00 | 0.00 |
| Col24 | 7 | 0.55 | 0.00 | 0.00 |
| Col24 | 8 | -0.42 | 0.00 | -0.40 |
| Col24 | 9 | -0.19 | 0.00 | -0.40 |
| Col24 | 10 | -0.42 | 0.00 | 0.44 |
| Col24 | 11 | -0.19 | 0.00 | 0.44 |
| Col24 | 12 | -0.42 | 0.00 | 0.44 |
| Col24 | 13 | -0.19 | 0.00 | 0.44 |
| Col24 | 14 | -0.26 | 0.00 | 0.44 |
| Col24 | 15 | -0.03 | 0.00 | 0.44 |
| Col24 | 16 | 0.46 | 0.00 | 0.33 |
| Col24 | 17 | 0.63 | 0.00 | 0.33 |
| Col24 | 18 | 0.33 | 0.00 | 0.33 |
| Col24 | 19 | 0.51 | 0.00 | 0.33 |
| Col24 | 20 | 0.26 | 0.00 | 0.33 |
| Col24 | 21 | 0.43 | 0.00 | 0.33 |
| Col24 | 22 | 0.13 | 0.00 | 0.33 |
| Col24 | 23 | 0.31 | 0.00 | 0.33 |
| Col24 | 24 | 0.26 | 0.00 | 0.33 |
| Col24 | 25 | 0.43 | 0.00 | 0.33 |
| Col24 | 26 | 0.13 | 0.00 | 0.33 |
| Col24 | 27 | 0.31 | 0.00 | 0.33 |
| Col24 | 28 | -0.46 | 0.00 | -0.40 |
| Col24 | 29 | -0.22 | 0.00 | -0.40 |
| Col24 | 30 | -0.46 | 0.00 | 0.44 |
| Col24 | 31 | -0.22 | 0.00 | 0.44 |
| Col24 | 32 | -0.46 | 0.00 | 0.44 |
| Col24 | 33 | -0.22 | 0.00 | 0.44 |
| Col24 | 34 | -0.29 | 0.00 | 0.44 |
| Col24 | 35 | -0.06 | 0.00 | 0.44 |
| Col24 | 36 | 0.15 | 0.00 | 0.00 |
| Col24 | 37 | 0.15 | 0.00 | 0.00 |
| Col24 | 38 | 0.75 | 0.00 | 0.00 |
| Col24 | 39 | 0.75 | 0.00 | 0.00 |
| Col24 | 40 | 0.55 | 0.00 | 0.00 |
| Col24 | 41 | 0.55 | 0.00 | 0.00 |
| Col24 | 42 | 0.55 | 0.00 | 0.00 |
| Col24 | 43 | 0.55 | 0.00 | 0.00 |
| Col24 | 44 | 0.09 | 0.00 | 0.00 |
| Col24 | 45 | 0.09 | 0.00 | 0.00 |
| Col24 | 46 | 0.78 | 0.00 | 0.00 |
| Col24 | 47 | 0.34 | 0.00 | 0.33 |
| Col24 | 48 | 0.51 | 0.00 | 0.33 |
| Col24 | 49 | 0.14 | 0.00 | 0.00 |
| Col24 | 50 | 0.14 | 0.00 | 0.00 |
| Col24 | 51 | 0.09 | 0.00 | 0.00 |
| Col24 | 52 | 0.09 | 0.00 | 0.00 |
| Col25 | 1 | 0.94 | 0.00 | 0.00 |
| Col25 | 2 | 0.14 | 0.00 | 0.00 |
| Col25 | 3 | 0.68 | 0.00 | 0.00 |
| Col25 | 4 | 0.68 | 0.00 | 0.00 |
| Col25 | 5 | 0.74 | 0.00 | 0.00 |
| Col25 | 6 | 0.55 | 0.00 | 0.00 |
| Col25 | 7 | 0.55 | 0.00 | 0.00 |
| Col25 | 8 | -0.42 | 0.00 | -0.39 |
| Col25 | 9 | -0.19 | 0.00 | -0.39 |
| Col25 | 10 | -0.42 | 0.00 | 0.43 |
| Col25 | 11 | -0.19 | 0.00 | 0.43 |
| Col25 | 12 | -0.42 | 0.00 | 0.43 |
| Col25 | 13 | -0.19 | 0.00 | 0.43 |

| | | | | |
|--------|----|-------|------|-------|
| Col125 | 14 | -0.26 | 0.00 | 0.43 |
| Col125 | 15 | -0.03 | 0.00 | 0.43 |
| Col125 | 16 | 0.46 | 0.00 | 0.32 |
| Col125 | 17 | 0.63 | 0.00 | 0.32 |
| Col125 | 18 | 0.33 | 0.00 | 0.32 |
| Col125 | 19 | 0.51 | 0.00 | 0.32 |
| Col125 | 20 | 0.26 | 0.00 | 0.32 |
| Col125 | 21 | 0.43 | 0.00 | 0.32 |
| Col125 | 22 | 0.13 | 0.00 | 0.32 |
| Col125 | 23 | 0.31 | 0.00 | 0.32 |
| Col125 | 24 | 0.26 | 0.00 | 0.32 |
| Col125 | 25 | 0.43 | 0.00 | 0.32 |
| Col125 | 26 | 0.13 | 0.00 | 0.32 |
| Col125 | 27 | 0.31 | 0.00 | 0.32 |
| Col125 | 28 | -0.46 | 0.00 | -0.39 |
| Col125 | 29 | -0.22 | 0.00 | -0.39 |
| Col125 | 30 | -0.46 | 0.00 | 0.43 |
| Col125 | 31 | -0.22 | 0.00 | 0.43 |
| Col125 | 32 | -0.46 | 0.00 | 0.43 |
| Col125 | 33 | -0.22 | 0.00 | 0.43 |
| Col125 | 34 | -0.29 | 0.00 | 0.43 |
| Col125 | 35 | -0.06 | 0.00 | 0.43 |
| Col125 | 36 | 0.15 | 0.00 | 0.00 |
| Col125 | 37 | 0.15 | 0.00 | 0.00 |
| Col125 | 38 | 0.75 | 0.00 | 0.00 |
| Col125 | 39 | 0.75 | 0.00 | 0.00 |
| Col125 | 40 | 0.55 | 0.00 | 0.00 |
| Col125 | 41 | 0.55 | 0.00 | 0.00 |
| Col125 | 42 | 0.55 | 0.00 | 0.00 |
| Col125 | 43 | 0.55 | 0.00 | 0.00 |
| Col125 | 44 | 0.09 | 0.00 | 0.00 |
| Col125 | 45 | 0.09 | 0.00 | 0.00 |
| Col125 | 46 | 0.78 | 0.00 | 0.00 |
| Col125 | 47 | 0.34 | 0.00 | 0.32 |
| Col125 | 48 | 0.51 | 0.00 | 0.32 |
| Col125 | 49 | 0.14 | 0.00 | 0.00 |
| Col125 | 50 | 0.14 | 0.00 | 0.00 |
| Col125 | 51 | 0.09 | 0.00 | 0.00 |
| Col125 | 52 | 0.09 | 0.00 | 0.00 |
| Col126 | 1 | 0.94 | 0.00 | 0.00 |
| Col126 | 2 | 0.14 | 0.00 | 0.00 |
| Col126 | 3 | 0.68 | 0.00 | 0.00 |
| Col126 | 4 | 0.68 | 0.00 | 0.00 |
| Col126 | 5 | 0.74 | 0.00 | 0.00 |
| Col126 | 6 | 0.55 | 0.00 | 0.00 |
| Col126 | 7 | 0.55 | 0.00 | 0.00 |
| Col126 | 8 | -0.43 | 0.00 | -0.38 |
| Col126 | 9 | -0.19 | 0.00 | -0.38 |
| Col126 | 10 | -0.43 | 0.00 | 0.42 |
| Col126 | 11 | -0.19 | 0.00 | 0.42 |
| Col126 | 12 | -0.43 | 0.00 | 0.42 |
| Col126 | 13 | -0.19 | 0.00 | 0.42 |
| Col126 | 14 | -0.26 | 0.00 | 0.42 |
| Col126 | 15 | -0.03 | 0.00 | 0.42 |
| Col126 | 16 | 0.46 | 0.00 | 0.32 |
| Col126 | 17 | 0.63 | 0.00 | 0.32 |
| Col126 | 18 | 0.33 | 0.00 | 0.32 |
| Col126 | 19 | 0.51 | 0.00 | 0.32 |
| Col126 | 20 | 0.26 | 0.00 | 0.32 |
| Col126 | 21 | 0.43 | 0.00 | 0.32 |
| Col126 | 22 | 0.13 | 0.00 | 0.32 |
| Col126 | 23 | 0.31 | 0.00 | 0.32 |
| Col126 | 24 | 0.26 | 0.00 | 0.32 |
| Col126 | 25 | 0.43 | 0.00 | 0.32 |
| Col126 | 26 | 0.13 | 0.00 | 0.32 |

| | | | | |
|-------|----|-------|------|-------|
| Col26 | 27 | 0.31 | 0.00 | 0.32 |
| Col26 | 28 | -0.46 | 0.00 | -0.38 |
| Col26 | 29 | -0.22 | 0.00 | -0.38 |
| Col26 | 30 | -0.46 | 0.00 | 0.42 |
| Col26 | 31 | -0.22 | 0.00 | 0.42 |
| Col26 | 32 | -0.46 | 0.00 | 0.42 |
| Col26 | 33 | -0.22 | 0.00 | 0.42 |
| Col26 | 34 | -0.29 | 0.00 | 0.42 |
| Col26 | 35 | -0.06 | 0.00 | 0.42 |
| Col26 | 36 | 0.15 | 0.00 | 0.00 |
| Col26 | 37 | 0.15 | 0.00 | 0.00 |
| Col26 | 38 | 0.75 | 0.00 | 0.00 |
| Col26 | 39 | 0.75 | 0.00 | 0.00 |
| Col26 | 40 | 0.55 | 0.00 | 0.00 |
| Col26 | 41 | 0.55 | 0.00 | 0.00 |
| Col26 | 42 | 0.55 | 0.00 | 0.00 |
| Col26 | 43 | 0.55 | 0.00 | 0.00 |
| Col26 | 44 | 0.09 | 0.00 | 0.00 |
| Col26 | 45 | 0.09 | 0.00 | 0.00 |
| Col26 | 46 | 0.78 | 0.00 | 0.00 |
| Col26 | 47 | 0.34 | 0.00 | 0.32 |
| Col26 | 48 | 0.51 | 0.00 | 0.32 |
| Col26 | 49 | 0.14 | 0.00 | 0.00 |
| Col26 | 50 | 0.14 | 0.00 | 0.00 |
| Col26 | 51 | 0.09 | 0.00 | 0.00 |
| Col26 | 52 | 0.09 | 0.00 | 0.00 |
| Col27 | 1 | 0.94 | 0.00 | 0.00 |
| Col27 | 2 | 0.14 | 0.00 | 0.00 |
| Col27 | 3 | 0.68 | 0.00 | 0.00 |
| Col27 | 4 | 0.68 | 0.00 | 0.00 |
| Col27 | 5 | 0.74 | 0.00 | 0.00 |
| Col27 | 6 | 0.54 | 0.00 | 0.00 |
| Col27 | 7 | 0.54 | 0.00 | 0.00 |
| Col27 | 8 | -0.43 | 0.00 | -0.38 |
| Col27 | 9 | -0.19 | 0.00 | -0.38 |
| Col27 | 10 | -0.43 | 0.00 | 0.42 |
| Col27 | 11 | -0.19 | 0.00 | 0.42 |
| Col27 | 12 | -0.43 | 0.00 | 0.42 |
| Col27 | 13 | -0.19 | 0.00 | 0.42 |
| Col27 | 14 | -0.26 | 0.00 | 0.42 |
| Col27 | 15 | -0.03 | 0.00 | 0.42 |
| Col27 | 16 | 0.45 | 0.00 | 0.31 |
| Col27 | 17 | 0.63 | 0.00 | 0.31 |
| Col27 | 18 | 0.33 | 0.00 | 0.31 |
| Col27 | 19 | 0.51 | 0.00 | 0.31 |
| Col27 | 20 | 0.26 | 0.00 | 0.31 |
| Col27 | 21 | 0.43 | 0.00 | 0.31 |
| Col27 | 22 | 0.13 | 0.00 | 0.31 |
| Col27 | 23 | 0.31 | 0.00 | 0.31 |
| Col27 | 24 | 0.26 | 0.00 | 0.31 |
| Col27 | 25 | 0.43 | 0.00 | 0.31 |
| Col27 | 26 | 0.13 | 0.00 | 0.31 |
| Col27 | 27 | 0.31 | 0.00 | 0.31 |
| Col27 | 28 | -0.46 | 0.00 | -0.38 |
| Col27 | 29 | -0.22 | 0.00 | -0.38 |
| Col27 | 30 | -0.46 | 0.00 | 0.42 |
| Col27 | 31 | -0.22 | 0.00 | 0.42 |
| Col27 | 32 | -0.46 | 0.00 | 0.42 |
| Col27 | 33 | -0.22 | 0.00 | 0.42 |
| Col27 | 34 | -0.29 | 0.00 | 0.42 |
| Col27 | 35 | -0.06 | 0.00 | 0.42 |
| Col27 | 36 | 0.15 | 0.00 | 0.00 |
| Col27 | 37 | 0.15 | 0.00 | 0.00 |
| Col27 | 38 | 0.74 | 0.00 | 0.00 |
| Col27 | 39 | 0.74 | 0.00 | 0.00 |

| | | | | |
|-------|----|-------|------|-------|
| Col27 | 40 | 0.55 | 0.00 | 0.00 |
| Col27 | 41 | 0.55 | 0.00 | 0.00 |
| Col27 | 42 | 0.55 | 0.00 | 0.00 |
| Col27 | 43 | 0.55 | 0.00 | 0.00 |
| Col27 | 44 | 0.09 | 0.00 | 0.00 |
| Col27 | 45 | 0.09 | 0.00 | 0.00 |
| Col27 | 46 | 0.78 | 0.00 | 0.00 |
| Col27 | 47 | 0.34 | 0.00 | 0.31 |
| Col27 | 48 | 0.51 | 0.00 | 0.31 |
| Col27 | 49 | 0.14 | 0.00 | 0.00 |
| Col27 | 50 | 0.14 | 0.00 | 0.00 |
| Col27 | 51 | 0.09 | 0.00 | 0.00 |
| Col27 | 52 | 0.09 | 0.00 | 0.00 |
| Col28 | 1 | 0.94 | 0.00 | 0.00 |
| Col28 | 2 | 0.14 | 0.00 | 0.00 |
| Col28 | 3 | 0.68 | 0.00 | 0.00 |
| Col28 | 4 | 0.68 | 0.00 | 0.00 |
| Col28 | 5 | 0.74 | 0.00 | 0.00 |
| Col28 | 6 | 0.54 | 0.00 | 0.00 |
| Col28 | 7 | 0.54 | 0.00 | 0.00 |
| Col28 | 8 | -0.43 | 0.00 | -0.37 |
| Col28 | 9 | -0.19 | 0.00 | -0.37 |
| Col28 | 10 | -0.43 | 0.00 | 0.43 |
| Col28 | 11 | -0.19 | 0.00 | 0.43 |
| Col28 | 12 | -0.43 | 0.00 | 0.43 |
| Col28 | 13 | -0.19 | 0.00 | 0.43 |
| Col28 | 14 | -0.26 | 0.00 | 0.43 |
| Col28 | 15 | -0.03 | 0.00 | 0.43 |
| Col28 | 16 | 0.45 | 0.00 | 0.32 |
| Col28 | 17 | 0.63 | 0.00 | 0.32 |
| Col28 | 18 | 0.33 | 0.00 | 0.32 |
| Col28 | 19 | 0.51 | 0.00 | 0.32 |
| Col28 | 20 | 0.26 | 0.00 | 0.32 |
| Col28 | 21 | 0.43 | 0.00 | 0.32 |
| Col28 | 22 | 0.13 | 0.00 | 0.32 |
| Col28 | 23 | 0.31 | 0.00 | 0.32 |
| Col28 | 24 | 0.26 | 0.00 | 0.32 |
| Col28 | 25 | 0.43 | 0.00 | 0.32 |
| Col28 | 26 | 0.13 | 0.00 | 0.32 |
| Col28 | 27 | 0.31 | 0.00 | 0.32 |
| Col28 | 28 | -0.46 | 0.00 | -0.37 |
| Col28 | 29 | -0.23 | 0.00 | -0.37 |
| Col28 | 30 | -0.46 | 0.00 | 0.43 |
| Col28 | 31 | -0.23 | 0.00 | 0.43 |
| Col28 | 32 | -0.46 | 0.00 | 0.43 |
| Col28 | 33 | -0.23 | 0.00 | 0.43 |
| Col28 | 34 | -0.29 | 0.00 | 0.43 |
| Col28 | 35 | -0.06 | 0.00 | 0.43 |
| Col28 | 36 | 0.15 | 0.00 | 0.00 |
| Col28 | 37 | 0.15 | 0.00 | 0.00 |
| Col28 | 38 | 0.74 | 0.00 | 0.00 |
| Col28 | 39 | 0.74 | 0.00 | 0.00 |
| Col28 | 40 | 0.55 | 0.00 | 0.00 |
| Col28 | 41 | 0.55 | 0.00 | 0.00 |
| Col28 | 42 | 0.55 | 0.00 | 0.00 |
| Col28 | 43 | 0.55 | 0.00 | 0.00 |
| Col28 | 44 | 0.09 | 0.00 | 0.00 |
| Col28 | 45 | 0.09 | 0.00 | 0.00 |
| Col28 | 46 | 0.78 | 0.00 | 0.00 |
| Col28 | 47 | 0.33 | 0.00 | 0.32 |
| Col28 | 48 | 0.51 | 0.00 | 0.32 |
| Col28 | 49 | 0.14 | 0.00 | 0.00 |
| Col28 | 50 | 0.14 | 0.00 | 0.00 |
| Col28 | 51 | 0.09 | 0.00 | 0.00 |
| Col28 | 52 | 0.09 | 0.00 | 0.00 |

COLUMN DEFLECTIONS:

| Id | Load | Deflection (in) | |
|-------|------|-----------------|-------|
| | Id | Calc | Limit |
| Col20 | 1 | 0.00 | 1.11 |
| Col20 | 2 | 0.00 | 1.11 |
| Col20 | 3 | 0.00 | 1.11 |
| Col20 | 4 | 0.00 | 1.11 |
| Col20 | 5 | 0.00 | 1.11 |
| Col20 | 6 | 0.00 | 1.11 |
| Col20 | 7 | 0.00 | 1.11 |
| Col20 | 8 | -0.79 | 1.11 |
| Col20 | 9 | -0.79 | 1.11 |
| Col20 | 10 | 0.90 | 1.11 |
| Col20 | 11 | 0.90 | 1.11 |
| Col20 | 12 | 0.90 | 1.11 |
| Col20 | 13 | 0.90 | 1.11 |
| Col20 | 14 | 0.90 | 1.11 |
| Col20 | 15 | 0.90 | 1.11 |
| Col20 | 16 | 0.67 | 1.11 |
| Col20 | 17 | 0.67 | 1.11 |
| Col20 | 18 | 0.67 | 1.11 |
| Col20 | 19 | 0.67 | 1.11 |
| Col20 | 20 | 0.67 | 1.11 |
| Col20 | 21 | 0.67 | 1.11 |
| Col20 | 22 | 0.67 | 1.11 |
| Col20 | 23 | 0.67 | 1.11 |
| Col20 | 24 | 0.67 | 1.11 |
| Col20 | 25 | 0.67 | 1.11 |
| Col20 | 26 | 0.67 | 1.11 |
| Col20 | 27 | 0.67 | 1.11 |
| Col20 | 28 | -0.79 | 1.11 |
| Col20 | 29 | -0.79 | 1.11 |
| Col20 | 30 | 0.90 | 1.11 |
| Col20 | 31 | 0.90 | 1.11 |
| Col20 | 32 | 0.90 | 1.11 |
| Col20 | 33 | 0.90 | 1.11 |
| Col20 | 34 | 0.90 | 1.11 |
| Col20 | 35 | 0.90 | 1.11 |
| Col20 | 36 | 0.00 | 1.11 |
| Col20 | 37 | 0.00 | 1.11 |
| Col20 | 38 | 0.00 | 1.11 |
| Col20 | 39 | 0.00 | 1.11 |
| Col20 | 40 | 0.00 | 1.11 |
| Col20 | 41 | 0.00 | 1.11 |
| Col20 | 42 | 0.00 | 1.11 |
| Col20 | 43 | 0.00 | 1.11 |
| Col20 | 44 | 0.00 | 1.11 |
| Col20 | 45 | 0.00 | 1.11 |
| Col20 | 46 | 0.00 | 1.11 |
| Col20 | 47 | 0.40 | 1.11 |
| Col20 | 48 | 0.40 | 1.11 |
| Col21 | 1 | 0.00 | 1.10 |
| Col21 | 2 | 0.00 | 1.10 |
| Col21 | 3 | 0.00 | 1.10 |
| Col21 | 4 | 0.00 | 1.10 |
| Col21 | 5 | 0.00 | 1.10 |
| Col21 | 6 | 0.00 | 1.10 |
| Col21 | 7 | 0.00 | 1.10 |
| Col21 | 8 | -0.75 | 1.10 |
| Col21 | 9 | -0.75 | 1.10 |
| Col21 | 10 | 0.83 | 1.10 |
| Col21 | 11 | 0.83 | 1.10 |

| | | | |
|-------|----|-------|------|
| Col21 | 12 | 0.83 | 1.10 |
| Col21 | 13 | 0.83 | 1.10 |
| Col21 | 14 | 0.83 | 1.10 |
| Col21 | 15 | 0.83 | 1.10 |
| Col21 | 16 | 0.62 | 1.10 |
| Col21 | 17 | 0.62 | 1.10 |
| Col21 | 18 | 0.62 | 1.10 |
| Col21 | 19 | 0.62 | 1.10 |
| Col21 | 20 | 0.62 | 1.10 |
| Col21 | 21 | 0.62 | 1.10 |
| Col21 | 22 | 0.62 | 1.10 |
| Col21 | 23 | 0.62 | 1.10 |
| Col21 | 24 | 0.62 | 1.10 |
| Col21 | 25 | 0.62 | 1.10 |
| Col21 | 26 | 0.62 | 1.10 |
| Col21 | 27 | 0.62 | 1.10 |
| Col21 | 28 | -0.75 | 1.10 |
| Col21 | 29 | -0.75 | 1.10 |
| Col21 | 30 | 0.83 | 1.10 |
| Col21 | 31 | 0.83 | 1.10 |
| Col21 | 32 | 0.83 | 1.10 |
| Col21 | 33 | 0.83 | 1.10 |
| Col21 | 34 | 0.83 | 1.10 |
| Col21 | 35 | 0.83 | 1.10 |
| Col21 | 36 | 0.00 | 1.10 |
| Col21 | 37 | 0.00 | 1.10 |
| Col21 | 38 | 0.00 | 1.10 |
| Col21 | 39 | 0.00 | 1.10 |
| Col21 | 40 | 0.00 | 1.10 |
| Col21 | 41 | 0.00 | 1.10 |
| Col21 | 42 | 0.00 | 1.10 |
| Col21 | 43 | 0.00 | 1.10 |
| Col21 | 44 | 0.00 | 1.10 |
| Col21 | 45 | 0.00 | 1.10 |
| Col21 | 46 | 0.00 | 1.10 |
| Col21 | 47 | 0.37 | 1.10 |
| Col21 | 48 | 0.37 | 1.10 |
| Col22 | 1 | 0.00 | 1.09 |
| Col22 | 2 | 0.00 | 1.09 |
| Col22 | 3 | 0.00 | 1.09 |
| Col22 | 4 | 0.00 | 1.09 |
| Col22 | 5 | 0.00 | 1.09 |
| Col22 | 6 | 0.00 | 1.09 |
| Col22 | 7 | 0.00 | 1.09 |
| Col22 | 8 | -0.71 | 1.09 |
| Col22 | 9 | -0.71 | 1.09 |
| Col22 | 10 | 0.79 | 1.09 |
| Col22 | 11 | 0.79 | 1.09 |
| Col22 | 12 | 0.79 | 1.09 |
| Col22 | 13 | 0.79 | 1.09 |
| Col22 | 14 | 0.79 | 1.09 |
| Col22 | 15 | 0.79 | 1.09 |
| Col22 | 16 | 0.59 | 1.09 |
| Col22 | 17 | 0.59 | 1.09 |
| Col22 | 18 | 0.59 | 1.09 |
| Col22 | 19 | 0.59 | 1.09 |
| Col22 | 20 | 0.59 | 1.09 |
| Col22 | 21 | 0.59 | 1.09 |
| Col22 | 22 | 0.59 | 1.09 |
| Col22 | 23 | 0.59 | 1.09 |
| Col22 | 24 | 0.59 | 1.09 |
| Col22 | 25 | 0.59 | 1.09 |
| Col22 | 26 | 0.59 | 1.09 |
| Col22 | 27 | 0.59 | 1.09 |
| Col22 | 28 | -0.71 | 1.09 |

| | | | |
|-------|----|-------|------|
| Col22 | 29 | -0.71 | 1.09 |
| Col22 | 30 | 0.79 | 1.09 |
| Col22 | 31 | 0.79 | 1.09 |
| Col22 | 32 | 0.79 | 1.09 |
| Col22 | 33 | 0.79 | 1.09 |
| Col22 | 34 | 0.79 | 1.09 |
| Col22 | 35 | 0.79 | 1.09 |
| Col22 | 36 | 0.00 | 1.09 |
| Col22 | 37 | 0.00 | 1.09 |
| Col22 | 38 | 0.00 | 1.09 |
| Col22 | 39 | 0.00 | 1.09 |
| Col22 | 40 | 0.00 | 1.09 |
| Col22 | 41 | 0.00 | 1.09 |
| Col22 | 42 | 0.00 | 1.09 |
| Col22 | 43 | 0.00 | 1.09 |
| Col22 | 44 | 0.00 | 1.09 |
| Col22 | 45 | 0.00 | 1.09 |
| Col22 | 46 | 0.00 | 1.09 |
| Col22 | 47 | 0.35 | 1.09 |
| Col22 | 48 | 0.35 | 1.09 |
| Col23 | 1 | 0.00 | 1.07 |
| Col23 | 2 | 0.00 | 1.07 |
| Col23 | 3 | 0.00 | 1.07 |
| Col23 | 4 | 0.00 | 1.07 |
| Col23 | 5 | 0.00 | 1.07 |
| Col23 | 6 | 0.00 | 1.07 |
| Col23 | 7 | 0.00 | 1.07 |
| Col23 | 8 | -0.68 | 1.07 |
| Col23 | 9 | -0.68 | 1.07 |
| Col23 | 10 | 0.75 | 1.07 |
| Col23 | 11 | 0.75 | 1.07 |
| Col23 | 12 | 0.75 | 1.07 |
| Col23 | 13 | 0.75 | 1.07 |
| Col23 | 14 | 0.75 | 1.07 |
| Col23 | 15 | 0.75 | 1.07 |
| Col23 | 16 | 0.56 | 1.07 |
| Col23 | 17 | 0.56 | 1.07 |
| Col23 | 18 | 0.56 | 1.07 |
| Col23 | 19 | 0.56 | 1.07 |
| Col23 | 20 | 0.56 | 1.07 |
| Col23 | 21 | 0.56 | 1.07 |
| Col23 | 22 | 0.56 | 1.07 |
| Col23 | 23 | 0.56 | 1.07 |
| Col23 | 24 | 0.56 | 1.07 |
| Col23 | 25 | 0.56 | 1.07 |
| Col23 | 26 | 0.56 | 1.07 |
| Col23 | 27 | 0.56 | 1.07 |
| Col23 | 28 | -0.68 | 1.07 |
| Col23 | 29 | -0.68 | 1.07 |
| Col23 | 30 | 0.75 | 1.07 |
| Col23 | 31 | 0.75 | 1.07 |
| Col23 | 32 | 0.75 | 1.07 |
| Col23 | 33 | 0.75 | 1.07 |
| Col23 | 34 | 0.75 | 1.07 |
| Col23 | 35 | 0.75 | 1.07 |
| Col23 | 36 | 0.00 | 1.07 |
| Col23 | 37 | 0.00 | 1.07 |
| Col23 | 38 | 0.00 | 1.07 |
| Col23 | 39 | 0.00 | 1.07 |
| Col23 | 40 | 0.00 | 1.07 |
| Col23 | 41 | 0.00 | 1.07 |
| Col23 | 42 | 0.00 | 1.07 |
| Col23 | 43 | 0.00 | 1.07 |
| Col23 | 44 | 0.00 | 1.07 |
| Col23 | 45 | 0.00 | 1.07 |

| | | | |
|-------|----|-------|------|
| Col23 | 46 | 0.00 | 1.07 |
| Col23 | 47 | 0.34 | 1.07 |
| Col23 | 48 | 0.34 | 1.07 |
| Col24 | 1 | 0.00 | 1.06 |
| Col24 | 2 | 0.00 | 1.06 |
| Col24 | 3 | 0.00 | 1.06 |
| Col24 | 4 | 0.00 | 1.06 |
| Col24 | 5 | 0.00 | 1.06 |
| Col24 | 6 | 0.00 | 1.06 |
| Col24 | 7 | 0.00 | 1.06 |
| Col24 | 8 | -0.64 | 1.06 |
| Col24 | 9 | -0.64 | 1.06 |
| Col24 | 10 | 0.71 | 1.06 |
| Col24 | 11 | 0.71 | 1.06 |
| Col24 | 12 | 0.71 | 1.06 |
| Col24 | 13 | 0.71 | 1.06 |
| Col24 | 14 | 0.71 | 1.06 |
| Col24 | 15 | 0.71 | 1.06 |
| Col24 | 16 | 0.53 | 1.06 |
| Col24 | 17 | 0.53 | 1.06 |
| Col24 | 18 | 0.53 | 1.06 |
| Col24 | 19 | 0.53 | 1.06 |
| Col24 | 20 | 0.53 | 1.06 |
| Col24 | 21 | 0.53 | 1.06 |
| Col24 | 22 | 0.53 | 1.06 |
| Col24 | 23 | 0.53 | 1.06 |
| Col24 | 24 | 0.53 | 1.06 |
| Col24 | 25 | 0.53 | 1.06 |
| Col24 | 26 | 0.53 | 1.06 |
| Col24 | 27 | 0.53 | 1.06 |
| Col24 | 28 | -0.64 | 1.06 |
| Col24 | 29 | -0.64 | 1.06 |
| Col24 | 30 | 0.71 | 1.06 |
| Col24 | 31 | 0.71 | 1.06 |
| Col24 | 32 | 0.71 | 1.06 |
| Col24 | 33 | 0.71 | 1.06 |
| Col24 | 34 | 0.71 | 1.06 |
| Col24 | 35 | 0.71 | 1.06 |
| Col24 | 36 | 0.00 | 1.06 |
| Col24 | 37 | 0.00 | 1.06 |
| Col24 | 38 | 0.00 | 1.06 |
| Col24 | 39 | 0.00 | 1.06 |
| Col24 | 40 | 0.00 | 1.06 |
| Col24 | 41 | 0.00 | 1.06 |
| Col24 | 42 | 0.00 | 1.06 |
| Col24 | 43 | 0.00 | 1.06 |
| Col24 | 44 | 0.00 | 1.06 |
| Col24 | 45 | 0.00 | 1.06 |
| Col24 | 46 | 0.00 | 1.06 |
| Col24 | 47 | 0.32 | 1.06 |
| Col24 | 48 | 0.32 | 1.06 |
| Col25 | 1 | 0.00 | 1.04 |
| Col25 | 2 | 0.00 | 1.04 |
| Col25 | 3 | 0.00 | 1.04 |
| Col25 | 4 | 0.00 | 1.04 |
| Col25 | 5 | 0.00 | 1.04 |
| Col25 | 6 | 0.00 | 1.04 |
| Col25 | 7 | 0.00 | 1.04 |
| Col25 | 8 | -0.61 | 1.04 |
| Col25 | 9 | -0.61 | 1.04 |
| Col25 | 10 | 0.67 | 1.04 |
| Col25 | 11 | 0.67 | 1.04 |
| Col25 | 12 | 0.67 | 1.04 |
| Col25 | 13 | 0.67 | 1.04 |
| Col25 | 14 | 0.67 | 1.04 |

| | | | |
|-------|----|-------|------|
| Col25 | 15 | 0.67 | 1.04 |
| Col25 | 16 | 0.50 | 1.04 |
| Col25 | 17 | 0.50 | 1.04 |
| Col25 | 18 | 0.50 | 1.04 |
| Col25 | 19 | 0.50 | 1.04 |
| Col25 | 20 | 0.50 | 1.04 |
| Col25 | 21 | 0.50 | 1.04 |
| Col25 | 22 | 0.50 | 1.04 |
| Col25 | 23 | 0.50 | 1.04 |
| Col25 | 24 | 0.50 | 1.04 |
| Col25 | 25 | 0.50 | 1.04 |
| Col25 | 26 | 0.50 | 1.04 |
| Col25 | 27 | 0.50 | 1.04 |
| Col25 | 28 | -0.61 | 1.04 |
| Col25 | 29 | -0.61 | 1.04 |
| Col25 | 30 | 0.67 | 1.04 |
| Col25 | 31 | 0.67 | 1.04 |
| Col25 | 32 | 0.67 | 1.04 |
| Col25 | 33 | 0.67 | 1.04 |
| Col25 | 34 | 0.67 | 1.04 |
| Col25 | 35 | 0.67 | 1.04 |
| Col25 | 36 | 0.00 | 1.04 |
| Col25 | 37 | 0.00 | 1.04 |
| Col25 | 38 | 0.00 | 1.04 |
| Col25 | 39 | 0.00 | 1.04 |
| Col25 | 40 | 0.00 | 1.04 |
| Col25 | 41 | 0.00 | 1.04 |
| Col25 | 42 | 0.00 | 1.04 |
| Col25 | 43 | 0.00 | 1.04 |
| Col25 | 44 | 0.00 | 1.04 |
| Col25 | 45 | 0.00 | 1.04 |
| Col25 | 46 | 0.00 | 1.04 |
| Col25 | 47 | 0.30 | 1.04 |
| Col25 | 48 | 0.30 | 1.04 |
| Col26 | 1 | 0.00 | 1.03 |
| Col26 | 2 | 0.00 | 1.03 |
| Col26 | 3 | 0.00 | 1.03 |
| Col26 | 4 | 0.00 | 1.03 |
| Col26 | 5 | 0.00 | 1.03 |
| Col26 | 6 | 0.00 | 1.03 |
| Col26 | 7 | 0.00 | 1.03 |
| Col26 | 8 | -0.58 | 1.03 |
| Col26 | 9 | -0.58 | 1.03 |
| Col26 | 10 | 0.64 | 1.03 |
| Col26 | 11 | 0.64 | 1.03 |
| Col26 | 12 | 0.64 | 1.03 |
| Col26 | 13 | 0.64 | 1.03 |
| Col26 | 14 | 0.64 | 1.03 |
| Col26 | 15 | 0.64 | 1.03 |
| Col26 | 16 | 0.48 | 1.03 |
| Col26 | 17 | 0.48 | 1.03 |
| Col26 | 18 | 0.48 | 1.03 |
| Col26 | 19 | 0.48 | 1.03 |
| Col26 | 20 | 0.48 | 1.03 |
| Col26 | 21 | 0.48 | 1.03 |
| Col26 | 22 | 0.48 | 1.03 |
| Col26 | 23 | 0.48 | 1.03 |
| Col26 | 24 | 0.48 | 1.03 |
| Col26 | 25 | 0.48 | 1.03 |
| Col26 | 26 | 0.48 | 1.03 |
| Col26 | 27 | 0.48 | 1.03 |
| Col26 | 28 | -0.58 | 1.03 |
| Col26 | 29 | -0.58 | 1.03 |
| Col26 | 30 | 0.64 | 1.03 |
| Col26 | 31 | 0.64 | 1.03 |

| | | | |
|-------|----|-------|------|
| Col26 | 32 | 0.64 | 1.03 |
| Col26 | 33 | 0.64 | 1.03 |
| Col26 | 34 | 0.64 | 1.03 |
| Col26 | 35 | 0.64 | 1.03 |
| Col26 | 36 | 0.00 | 1.03 |
| Col26 | 37 | 0.00 | 1.03 |
| Col26 | 38 | 0.00 | 1.03 |
| Col26 | 39 | 0.00 | 1.03 |
| Col26 | 40 | 0.00 | 1.03 |
| Col26 | 41 | 0.00 | 1.03 |
| Col26 | 42 | 0.00 | 1.03 |
| Col26 | 43 | 0.00 | 1.03 |
| Col26 | 44 | 0.00 | 1.03 |
| Col26 | 45 | 0.00 | 1.03 |
| Col26 | 46 | 0.00 | 1.03 |
| Col26 | 47 | 0.29 | 1.03 |
| Col26 | 48 | 0.29 | 1.03 |
| Col27 | 1 | 0.00 | 1.02 |
| Col27 | 2 | 0.00 | 1.02 |
| Col27 | 3 | 0.00 | 1.02 |
| Col27 | 4 | 0.00 | 1.02 |
| Col27 | 5 | 0.00 | 1.02 |
| Col27 | 6 | 0.00 | 1.02 |
| Col27 | 7 | 0.00 | 1.02 |
| Col27 | 8 | -0.55 | 1.02 |
| Col27 | 9 | -0.55 | 1.02 |
| Col27 | 10 | 0.60 | 1.02 |
| Col27 | 11 | 0.60 | 1.02 |
| Col27 | 12 | 0.60 | 1.02 |
| Col27 | 13 | 0.60 | 1.02 |
| Col27 | 14 | 0.60 | 1.02 |
| Col27 | 15 | 0.60 | 1.02 |
| Col27 | 16 | 0.45 | 1.02 |
| Col27 | 17 | 0.45 | 1.02 |
| Col27 | 18 | 0.45 | 1.02 |
| Col27 | 19 | 0.45 | 1.02 |
| Col27 | 20 | 0.45 | 1.02 |
| Col27 | 21 | 0.45 | 1.02 |
| Col27 | 22 | 0.45 | 1.02 |
| Col27 | 23 | 0.45 | 1.02 |
| Col27 | 24 | 0.45 | 1.02 |
| Col27 | 25 | 0.45 | 1.02 |
| Col27 | 26 | 0.45 | 1.02 |
| Col27 | 27 | 0.45 | 1.02 |
| Col27 | 28 | -0.55 | 1.02 |
| Col27 | 29 | -0.55 | 1.02 |
| Col27 | 30 | 0.60 | 1.02 |
| Col27 | 31 | 0.60 | 1.02 |
| Col27 | 32 | 0.60 | 1.02 |
| Col27 | 33 | 0.60 | 1.02 |
| Col27 | 34 | 0.60 | 1.02 |
| Col27 | 35 | 0.60 | 1.02 |
| Col27 | 36 | 0.00 | 1.02 |
| Col27 | 37 | 0.00 | 1.02 |
| Col27 | 38 | 0.00 | 1.02 |
| Col27 | 39 | 0.00 | 1.02 |
| Col27 | 40 | 0.00 | 1.02 |
| Col27 | 41 | 0.00 | 1.02 |
| Col27 | 42 | 0.00 | 1.02 |
| Col27 | 43 | 0.00 | 1.02 |
| Col27 | 44 | 0.00 | 1.02 |
| Col27 | 45 | 0.00 | 1.02 |
| Col27 | 46 | 0.00 | 1.02 |
| Col27 | 47 | 0.27 | 1.02 |
| Col27 | 48 | 0.27 | 1.02 |

| | | | |
|-------|----|-------|------|
| Col28 | 1 | 0.00 | 1.00 |
| Col28 | 2 | 0.00 | 1.00 |
| Col28 | 3 | 0.00 | 1.00 |
| Col28 | 4 | 0.00 | 1.00 |
| Col28 | 5 | 0.00 | 1.00 |
| Col28 | 6 | 0.00 | 1.00 |
| Col28 | 7 | 0.00 | 1.00 |
| Col28 | 8 | -0.52 | 1.00 |
| Col28 | 9 | -0.52 | 1.00 |
| Col28 | 10 | 0.59 | 1.00 |
| Col28 | 11 | 0.59 | 1.00 |
| Col28 | 12 | 0.59 | 1.00 |
| Col28 | 13 | 0.59 | 1.00 |
| Col28 | 14 | 0.59 | 1.00 |
| Col28 | 15 | 0.59 | 1.00 |
| Col28 | 16 | 0.44 | 1.00 |
| Col28 | 17 | 0.44 | 1.00 |
| Col28 | 18 | 0.44 | 1.00 |
| Col28 | 19 | 0.44 | 1.00 |
| Col28 | 20 | 0.44 | 1.00 |
| Col28 | 21 | 0.44 | 1.00 |
| Col28 | 22 | 0.44 | 1.00 |
| Col28 | 23 | 0.44 | 1.00 |
| Col28 | 24 | 0.44 | 1.00 |
| Col28 | 25 | 0.44 | 1.00 |
| Col28 | 26 | 0.44 | 1.00 |
| Col28 | 27 | 0.44 | 1.00 |
| Col28 | 28 | -0.52 | 1.00 |
| Col28 | 29 | -0.52 | 1.00 |
| Col28 | 30 | 0.59 | 1.00 |
| Col28 | 31 | 0.59 | 1.00 |
| Col28 | 32 | 0.59 | 1.00 |
| Col28 | 33 | 0.59 | 1.00 |
| Col28 | 34 | 0.59 | 1.00 |
| Col28 | 35 | 0.59 | 1.00 |
| Col28 | 36 | 0.00 | 1.00 |
| Col28 | 37 | 0.00 | 1.00 |
| Col28 | 38 | 0.00 | 1.00 |
| Col28 | 39 | 0.00 | 1.00 |
| Col28 | 40 | 0.00 | 1.00 |
| Col28 | 41 | 0.00 | 1.00 |
| Col28 | 42 | 0.00 | 1.00 |
| Col28 | 43 | 0.00 | 1.00 |
| Col28 | 44 | 0.00 | 1.00 |
| Col28 | 45 | 0.00 | 1.00 |
| Col28 | 46 | 0.00 | 1.00 |
| Col28 | 47 | 0.27 | 1.00 |
| Col28 | 48 | 0.27 | 1.00 |

COLUMN KL/R RATIO, MOMENT REDUCTION:

| Id | Major (ft) | --Minor (ft)-- | | ----KL/R---- | | Available Reduction Factor | |
|-------|---------------|----------------|-------|--------------|-------|----------------------------------|------|
| | | Bend | Axial | Major | Minor | Out | In |
| Col20 | 16.7 | 3.7 | 3.7 | 87 | 59 | 0.00 | 0.00 |
| Col21 | 16.5 | 3.7 | 3.7 | 86 | 59 | 0.00 | 0.00 |
| Col22 | 16.3 | 3.7 | 3.7 | 85 | 59 | 0.00 | 0.00 |
| Col23 | 16.1 | 3.7 | 3.7 | 83 | 59 | 0.00 | 0.00 |
| Col24 | 15.9 | 3.7 | 3.7 | 82 | 59 | 0.00 | 0.00 |
| Col25 | 15.7 | 3.7 | 3.7 | 81 | 59 | 0.00 | 0.00 |
| Col26 | 15.5 | 3.7 | 3.7 | 80 | 59 | 0.00 | 0.00 |
| Col27 | 15.3 | 3.7 | 3.7 | 79 | 59 | 0.00 | 0.00 |
| Col28 | 15.0 | 3.7 | 3.7 | 78 | 59 | 0.00 | 0.00 |

GIRT LAYOUT:

| Bay Id | Girt Id | Locate | Part | Design Length | Available Reduction Factor | |
|--------|---------|--------|--------|---------------|----------------------------|------|
| | | | | | Out | In |
| 1 | 1 | 3.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 4 | 14.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| 2 | 1 | 3.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 4 | 14.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| 3 | 1 | 3.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 4 | 14.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| 4 | 1 | 3.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 4 | 14.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| 5 | 1 | 3.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 4 | 14.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| 6 | 1 | 3.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 4 | 14.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| 7 | 1 | 3.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 4 | 14.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| 8 | 1 | 3.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 4 | 14.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| 9 | 1 | 3.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| | 4 | 14.667 | 6X2C16 | 4.500 | 0.00 | 0.70 |
| 10 | 1 | 3.667 | 6X2C16 | 4.625 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 4.625 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 4.625 | 0.00 | 0.70 |
| | 4 | 14.667 | 6X2C16 | 4.625 | 0.00 | 0.70 |

GIRT ACTIONS:

| Bay Id | Girt Id | Load | -Shear(k) - | | Moment(f-k) | | Max UC | Deflect(in) | |
|--------|---------|------|-------------|-------|-------------|-------|--------|-------------|-------|
| | | | Calc | Limit | Calc | Limit | | Calc | Limit |
| 1 | 1 | WP | -0.08 | 3.32 | -0.09 | 2.65 | 0.03 | 0.00 | 0.60 |
| | | WS | 0.10 | 3.32 | 0.11 | 2.65 | 0.04 | 0.00 | 0.60 |
| | 4 | WP | -0.06 | 3.32 | -0.07 | 2.65 | 0.03 | 0.00 | 0.60 |
| | | WS | 0.08 | 3.32 | 0.09 | 2.65 | 0.03 | 0.00 | 0.60 |
| 2 | 1 | WP | -0.08 | 3.32 | -0.09 | 2.65 | 0.03 | 0.00 | 0.60 |
| | | WS | 0.09 | 3.32 | 0.10 | 2.65 | 0.04 | 0.00 | 0.60 |
| | 4 | WP | -0.06 | 3.32 | -0.07 | 2.65 | 0.03 | 0.00 | 0.60 |
| | | WS | 0.07 | 3.32 | 0.08 | 2.65 | 0.03 | 0.00 | 0.60 |
| 3 | 1 | WP | -0.08 | 3.32 | -0.09 | 2.65 | 0.03 | 0.00 | 0.60 |
| | | WS | 0.09 | 3.32 | 0.10 | 2.65 | 0.04 | 0.00 | 0.60 |

| | | | | | | | | | |
|----|---|----|-------|------|-------|------|------|------|------|
| | 4 | WP | -0.06 | 3.32 | -0.07 | 2.65 | 0.03 | 0.00 | 0.60 |
| | | WS | 0.07 | 3.32 | 0.07 | 2.65 | 0.03 | 0.00 | 0.60 |
| 4 | 1 | WP | -0.08 | 3.32 | -0.09 | 2.65 | 0.03 | 0.00 | 0.60 |
| | | WS | 0.09 | 3.32 | 0.10 | 2.65 | 0.04 | 0.00 | 0.60 |
| | 4 | WP | -0.06 | 3.32 | -0.06 | 2.65 | 0.02 | 0.00 | 0.60 |
| | | WS | 0.06 | 3.32 | 0.07 | 2.65 | 0.03 | 0.00 | 0.60 |
| 5 | 1 | WP | -0.08 | 3.32 | -0.09 | 2.65 | 0.03 | 0.00 | 0.60 |
| | | WS | 0.09 | 3.32 | 0.10 | 2.65 | 0.04 | 0.00 | 0.60 |
| | 4 | WP | -0.05 | 3.32 | -0.06 | 2.65 | 0.02 | 0.00 | 0.60 |
| | | WS | 0.06 | 3.32 | 0.07 | 2.65 | 0.03 | 0.00 | 0.60 |
| 6 | 1 | WP | -0.08 | 3.32 | -0.09 | 2.65 | 0.03 | 0.00 | 0.60 |
| | | WS | 0.09 | 3.32 | 0.10 | 2.65 | 0.04 | 0.00 | 0.60 |
| | 4 | WP | -0.05 | 3.32 | -0.06 | 2.65 | 0.02 | 0.00 | 0.60 |
| | | WS | 0.06 | 3.32 | 0.07 | 2.65 | 0.02 | 0.00 | 0.60 |
| 7 | 1 | WP | -0.08 | 3.32 | -0.09 | 2.65 | 0.03 | 0.00 | 0.60 |
| | | WS | 0.09 | 3.32 | 0.10 | 2.65 | 0.04 | 0.00 | 0.60 |
| | 4 | WP | -0.05 | 3.32 | -0.06 | 2.65 | 0.02 | 0.00 | 0.60 |
| | | WS | 0.06 | 3.32 | 0.06 | 2.65 | 0.02 | 0.00 | 0.60 |
| 8 | 1 | WP | -0.08 | 3.32 | -0.09 | 2.65 | 0.03 | 0.00 | 0.60 |
| | | WS | 0.09 | 3.32 | 0.10 | 2.65 | 0.04 | 0.00 | 0.60 |
| | 4 | WP | -0.05 | 3.32 | -0.05 | 2.65 | 0.02 | 0.00 | 0.60 |
| | | WS | 0.05 | 3.32 | 0.06 | 2.65 | 0.02 | 0.00 | 0.60 |
| 9 | 1 | WP | -0.08 | 3.32 | -0.09 | 2.65 | 0.03 | 0.00 | 0.60 |
| | | WS | 0.09 | 3.32 | 0.10 | 2.65 | 0.04 | 0.00 | 0.60 |
| | 4 | WP | -0.05 | 3.32 | -0.05 | 2.65 | 0.02 | 0.00 | 0.60 |
| | | WS | 0.05 | 3.32 | 0.06 | 2.65 | 0.02 | 0.00 | 0.60 |
| 10 | 1 | WP | -0.08 | 3.32 | -0.10 | 2.65 | 0.04 | 0.00 | 0.62 |
| | | WS | 0.10 | 3.32 | 0.12 | 2.65 | 0.04 | 0.00 | 0.62 |
| | 4 | WP | -0.04 | 3.32 | -0.05 | 2.65 | 0.02 | 0.00 | 0.62 |
| | | WS | 0.05 | 3.32 | 0.06 | 2.65 | 0.02 | 0.00 | 0.62 |

WP - Wind_Pressure

WS - Wind_Suction

PANEL DATA:

| Bay | Part | Type | Gage | Yield |
|-----|---------|------|-------|-------|
| 4 | CUSPANL | CP | 20.00 | 50.0 |

MOMENTS & DEFLECTION:

| Span Id | Locate (ft) | | Load | -----Moment (ft-lb/ft)----- | | | | | | Max UC | Deflect (in) | |
|---------|-------------|-------|------|-----------------------------|-------------|--------------|---------------|----------|-----------|--------|--------------|-------|
| | Start | End | | Start Calc | Start Limit | Midspan Calc | Midspan Limit | End Calc | End Limit | | Calc | Limit |
| 1 | 0.00 | 3.67 | WP | 0.0 | 38.1 | -12.8 | 49.1 | 17.5 | 38.1 | 0.46 | -0.11 | 0.73 |
| | | | WS | 0.0 | 38.1 | 17.1 | 38.1 | -23.3 | 49.1 | 0.48 | 0.15 | 0.73 |
| 2 | 3.67 | 7.33 | WP | 17.5 | 38.1 | -5.7 | 49.1 | 12.6 | 38.1 | 0.46 | -0.03 | 0.73 |
| | | | WS | -23.3 | 49.1 | 7.6 | 38.1 | -16.7 | 49.1 | 0.48 | 0.04 | 0.73 |
| 3 | 7.33 | 11.00 | WP | 12.6 | 38.1 | -6.9 | 49.1 | 14.9 | 38.1 | 0.39 | -0.04 | 0.73 |
| | | | WS | -16.7 | 49.1 | 9.2 | 38.1 | -19.9 | 49.1 | 0.41 | 0.06 | 0.73 |
| 4 | 11.00 | 14.67 | WP | 14.9 | 38.1 | -8.1 | 49.1 | 10.4 | 38.1 | 0.39 | -0.06 | 0.73 |
| | | | WS | -19.9 | 49.1 | 10.8 | 38.1 | -13.8 | 49.1 | 0.41 | 0.08 | 0.73 |
| 5 | 14.67 | 16.10 | WP | 10.4 | 38.1 | 2.0 | 38.1 | 0.0 | 38.1 | 0.27 | 0.01 | 0.29 |
| | | | WS | -13.8 | 49.1 | -2.7 | 49.1 | 0.0 | 38.1 | 0.28 | -0.01 | 0.29 |

WP - Wind_Pressure
 WS - Wind_Suction

PANEL:

| Part | Thick (in) | Yield (ksi) | Tensile Strength (ksi) |
|---------|------------|--------------|-------------------------|
| CUSPANL | 0.038 | 50.00 | 65.00 |

GIRT SCREWS:

| Part | Dia (in) | Washer (in) | Limit (k) |
|------|----------|-------------|------------|
| #29 | 0.21 | 0.50 | 2.90 |

PANEL ZONE LAYOUT:

| Zone Id | Description | ---Wall (ft)--- | | Bay Id | --Girt (ft, ft, in)-- | | | Panel Span (ft) |
|---------|-------------|-----------------|---------|--------|-----------------------|-------|-----------|-----------------|
| | | Offset1 | Offset2 | | Locate | Width | Min Thick | |
| 1 | Interior | 5.00 | 45.00 | 1 | 11.00 | 3.67 | 0.059 | 3.67 |
| 2 | Lt Edge | 0.00 | 5.00 | 1 | 11.00 | 3.67 | 0.059 | 3.67 |
| 3 | Rt Edge | 45.00 | 50.00 | 10 | 11.00 | 3.67 | 0.059 | 3.67 |

GIRT SCREW CHECK:

| Zone Id | Screw Space | Wind Suction (psf) | Load (k) | -----Limit (k)----- | | | |
|---------|-------------|---------------------|-----------|----------------------|----------------|---------------|--------|
| | | | | Girt Pullout | Panel Pullover | Screw Tension | Max UC |
| 1 | 1.00 | 16.38 | 0.06 | 0.22 | 0.61 | 0.77 | 0.27 |
| 2 | 1.00 | 16.38 | 0.06 | 0.22 | 0.61 | 0.77 | 0.27 |
| 3 | 1.00 | 16.38 | 0.06 | 0.22 | 0.61 | 0.77 | 0.27 |

WALL LAYOUT:

| Wall Id | Orn | Load Width |
|---------|-----|------------|
| 4 | L | 2.50 |

MEMBER LAYOUT:

| Id | Locate (ft) | Part | ---Web (in)--- | | -Flange (in)- | | Length (ft) | Weight (lb) | ----Max_Load---- | | |
|--------|-------------|--------|----------------|-------|---------------|-------|-------------|-------------|------------------|------|---------|
| | | | Depth | Thick | Width | Thick | | | Id | UC | Report |
| Col30 | 0.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 14.8 | 32.4 | 15 | 0.33 | Mom+Axl |
| Col31 | 5.3 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 14.8 | 32.4 | 15 | 0.63 | Mom+Axl |
| Col32 | 10.7 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 14.8 | 32.4 | 15 | 0.61 | Mom+Axl |
| Col33 | 16.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 14.8 | 32.4 | 1 | 0.03 | Mom+Axl |
| Col34 | 21.7 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 14.8 | 32.4 | 15 | 0.65 | Mom+Axl |
| Col35 | 27.3 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 14.8 | 32.4 | 15 | 0.65 | Mom+Axl |
| Col36 | 33.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 14.8 | 32.4 | 1 | 0.03 | Mom+Axl |
| Col37 | 38.7 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 14.8 | 32.4 | 15 | 0.65 | Mom+Axl |
| Col38 | 44.3 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 14.8 | 32.4 | 15 | 0.65 | Mom+Axl |
| Col39 | 50.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 14.8 | 32.4 | 1 | 0.03 | Mom+Axl |
| Col40 | 55.7 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 14.8 | 32.4 | 15 | 0.65 | Mom+Axl |
| Col41 | 61.3 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 14.8 | 32.4 | 15 | 0.65 | Mom+Axl |
| Col42 | 67.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 14.8 | 32.4 | 1 | 0.03 | Mom+Axl |
| Col43 | 72.7 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 14.8 | 32.4 | 15 | 0.65 | Mom+Axl |
| Col44 | 78.3 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 14.8 | 32.4 | 15 | 0.65 | Mom+Axl |
| Col45 | 84.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 14.8 | 32.4 | 1 | 0.03 | Mom+Axl |
| Col46 | 89.3 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 14.8 | 32.4 | 15 | 0.61 | Mom+Axl |
| Col47 | 94.7 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 14.8 | 32.4 | 15 | 0.63 | Mom+Axl |
| Col48 | 100.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 14.8 | 32.4 | 15 | 0.33 | Mom+Axl |
| Raf7 | | PB6EC | 6.13 | 16ga | 2.06 | 16ga | 16.0 | 33.6 | | | |
| Raf8 | | PB6EC | 6.13 | 16ga | 2.06 | 16ga | 17.0 | 35.7 | | | |
| Raf9 | | PB6EC | 6.13 | 16ga | 2.06 | 16ga | 17.0 | 35.7 | | | |
| Raf10 | | PB6EC | 6.13 | 16ga | 2.06 | 16ga | 17.0 | 35.7 | | | |
| Raf11 | | PB6EC | 6.13 | 16ga | 2.06 | 16ga | 17.0 | 35.7 | | | |
| Raf12 | | PB6EC | 6.13 | 16ga | 2.06 | 16ga | 16.0 | 33.6 | | | |
| Total= | | | | | | | | 825.5 | | | |

DESIGN ACTIONS/STRENGTH:

| Id | Load Id | -Axial (k) - | | -Shear (k) - | | Moment (f-k) | | -----Unity Check----- | | | |
|-------|---------|--------------|-------|--------------|-------|--------------|-------|-----------------------|-------|--------|--------|
| | | Calc | Limit | Calc | Limit | Calc | Limit | Axial | Shear | Moment | Shear+ |
| Col30 | 1 | 0.19 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col30 | 2 | 0.05 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col30 | 3 | 0.14 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col30 | 4 | 0.14 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col30 | 5 | 0.15 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col30 | 6 | 0.12 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col30 | 7 | 0.12 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col30 | 8 | -0.04 | 21.18 | 0.20 | 3.32 | -0.73 | 2.65 | 0.00 | 0.06 | 0.27 | 0.00 |
| Col30 | 9 | 0.00 | 21.18 | 0.20 | 3.32 | -0.73 | 2.65 | 0.00 | 0.06 | 0.27 | 0.00 |
| Col30 | 10 | -0.04 | 21.18 | -0.23 | 3.32 | 0.86 | 2.65 | 0.00 | 0.07 | 0.32 | 0.00 |
| Col30 | 11 | 0.00 | 21.18 | -0.23 | 3.32 | 0.86 | 2.65 | 0.00 | 0.07 | 0.32 | 0.00 |
| Col30 | 12 | -0.04 | 21.18 | -0.23 | 3.32 | 0.86 | 2.65 | 0.00 | 0.07 | 0.32 | 0.00 |
| Col30 | 13 | 0.00 | 21.18 | -0.23 | 3.32 | 0.86 | 2.65 | 0.00 | 0.07 | 0.32 | 0.00 |
| Col30 | 14 | -0.01 | 21.18 | -0.23 | 3.32 | 0.86 | 2.65 | 0.00 | 0.07 | 0.32 | 0.00 |
| Col30 | 15 | 0.03 | 8.41 | -0.23 | 3.32 | 0.86 | 2.65 | 0.00 | 0.07 | 0.33 | 0.00 |

| | | | | | | | | | | | |
|-------|----|-------|-------|-------|------|-------|------|------|------|------|------|
| Col30 | 16 | 0.11 | 8.41 | -0.17 | 3.32 | 0.64 | 2.65 | 0.01 | 0.05 | 0.26 | 0.00 |
| Col30 | 17 | 0.14 | 8.41 | -0.17 | 3.32 | 0.64 | 2.65 | 0.02 | 0.05 | 0.26 | 0.00 |
| Col30 | 18 | 0.09 | 8.41 | -0.17 | 3.32 | 0.64 | 2.65 | 0.01 | 0.05 | 0.25 | 0.00 |
| Col30 | 19 | 0.12 | 8.41 | -0.17 | 3.32 | 0.64 | 2.65 | 0.01 | 0.05 | 0.26 | 0.00 |
| Col30 | 20 | 0.07 | 8.41 | -0.17 | 3.32 | 0.64 | 2.65 | 0.01 | 0.05 | 0.25 | 0.00 |
| Col30 | 21 | 0.10 | 8.41 | -0.17 | 3.32 | 0.64 | 2.65 | 0.01 | 0.05 | 0.26 | 0.00 |
| Col30 | 22 | 0.05 | 8.41 | -0.17 | 3.32 | 0.64 | 2.65 | 0.01 | 0.05 | 0.25 | 0.00 |
| Col30 | 23 | 0.08 | 8.41 | -0.17 | 3.32 | 0.64 | 2.65 | 0.01 | 0.05 | 0.25 | 0.00 |
| Col30 | 24 | 0.07 | 8.41 | -0.17 | 3.32 | 0.64 | 2.65 | 0.01 | 0.05 | 0.25 | 0.00 |
| Col30 | 25 | 0.10 | 8.41 | -0.17 | 3.32 | 0.64 | 2.65 | 0.01 | 0.05 | 0.26 | 0.00 |
| Col30 | 26 | 0.05 | 8.41 | -0.17 | 3.32 | 0.64 | 2.65 | 0.01 | 0.05 | 0.25 | 0.00 |
| Col30 | 27 | 0.08 | 8.41 | -0.17 | 3.32 | 0.64 | 2.65 | 0.01 | 0.05 | 0.25 | 0.00 |
| Col30 | 28 | -0.05 | 21.18 | 0.20 | 3.32 | -0.73 | 2.65 | 0.00 | 0.06 | 0.27 | 0.00 |
| Col30 | 29 | -0.01 | 21.18 | 0.20 | 3.32 | -0.73 | 2.65 | 0.00 | 0.06 | 0.27 | 0.00 |
| Col30 | 30 | -0.05 | 21.18 | -0.23 | 3.32 | 0.86 | 2.65 | 0.00 | 0.07 | 0.32 | 0.00 |
| Col30 | 31 | -0.01 | 21.18 | -0.23 | 3.32 | 0.86 | 2.65 | 0.00 | 0.07 | 0.32 | 0.00 |
| Col30 | 32 | -0.05 | 21.18 | -0.23 | 3.32 | 0.86 | 2.65 | 0.00 | 0.07 | 0.32 | 0.00 |
| Col30 | 33 | -0.01 | 21.18 | -0.23 | 3.32 | 0.86 | 2.65 | 0.00 | 0.07 | 0.32 | 0.00 |
| Col30 | 34 | -0.02 | 21.18 | -0.23 | 3.32 | 0.86 | 2.65 | 0.00 | 0.07 | 0.32 | 0.00 |
| Col30 | 35 | 0.02 | 8.41 | -0.23 | 3.32 | 0.86 | 2.65 | 0.00 | 0.07 | 0.33 | 0.00 |
| Col30 | 36 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col30 | 37 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col30 | 38 | 0.15 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col30 | 39 | 0.15 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col30 | 40 | 0.12 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col30 | 41 | 0.12 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col30 | 42 | 0.12 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col30 | 43 | 0.12 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col30 | 44 | 0.05 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col30 | 45 | 0.05 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col30 | 46 | 0.16 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col30 | 47 | 0.09 | 8.41 | -0.17 | 3.32 | 0.64 | 2.65 | 0.01 | 0.05 | 0.25 | 0.00 |
| Col30 | 48 | 0.12 | 8.41 | -0.17 | 3.32 | 0.64 | 2.65 | 0.01 | 0.05 | 0.26 | 0.00 |
| Col30 | 49 | 0.05 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col30 | 50 | 0.05 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col30 | 51 | 0.05 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col30 | 52 | 0.05 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col31 | 1 | 0.34 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.04 | 0.00 | 0.04 | 0.00 |
| Col31 | 2 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col31 | 3 | 0.26 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col31 | 4 | 0.26 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col31 | 5 | 0.28 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col31 | 6 | 0.21 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col31 | 7 | 0.21 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col31 | 8 | -0.11 | 21.18 | 0.39 | 3.32 | -1.45 | 2.65 | 0.01 | 0.12 | 0.54 | 0.00 |
| Col31 | 9 | -0.03 | 21.18 | 0.39 | 3.32 | -1.45 | 2.65 | 0.00 | 0.12 | 0.55 | 0.00 |
| Col31 | 10 | -0.11 | 21.18 | -0.45 | 3.32 | 1.65 | 2.65 | 0.01 | 0.13 | 0.62 | 0.00 |
| Col31 | 11 | -0.03 | 21.18 | -0.45 | 3.32 | 1.65 | 2.65 | 0.00 | 0.13 | 0.62 | 0.00 |
| Col31 | 12 | -0.11 | 21.18 | -0.45 | 3.32 | 1.65 | 2.65 | 0.01 | 0.13 | 0.62 | 0.00 |
| Col31 | 13 | -0.03 | 21.18 | -0.45 | 3.32 | 1.65 | 2.65 | 0.00 | 0.13 | 0.62 | 0.00 |
| Col31 | 14 | -0.06 | 21.18 | -0.45 | 3.32 | 1.65 | 2.65 | 0.00 | 0.13 | 0.62 | 0.00 |
| Col31 | 15 | 0.02 | 8.41 | -0.45 | 3.32 | 1.65 | 2.65 | 0.00 | 0.13 | 0.63 | 0.00 |
| Col31 | 16 | 0.18 | 8.41 | -0.33 | 3.32 | 1.24 | 2.65 | 0.02 | 0.10 | 0.49 | 0.00 |
| Col31 | 17 | 0.24 | 8.41 | -0.33 | 3.32 | 1.24 | 2.65 | 0.03 | 0.10 | 0.50 | 0.00 |
| Col31 | 18 | 0.14 | 8.41 | -0.33 | 3.32 | 1.24 | 2.65 | 0.02 | 0.10 | 0.48 | 0.00 |
| Col31 | 19 | 0.20 | 8.41 | -0.33 | 3.32 | 1.24 | 2.65 | 0.02 | 0.10 | 0.49 | 0.00 |
| Col31 | 20 | 0.12 | 8.41 | -0.33 | 3.32 | 1.24 | 2.65 | 0.01 | 0.10 | 0.48 | 0.00 |
| Col31 | 21 | 0.17 | 8.41 | -0.33 | 3.32 | 1.24 | 2.65 | 0.02 | 0.10 | 0.49 | 0.00 |
| Col31 | 22 | 0.07 | 8.41 | -0.33 | 3.32 | 1.24 | 2.65 | 0.01 | 0.10 | 0.48 | 0.00 |
| Col31 | 23 | 0.13 | 8.41 | -0.33 | 3.32 | 1.24 | 2.65 | 0.02 | 0.10 | 0.48 | 0.00 |
| Col31 | 24 | 0.12 | 8.41 | -0.33 | 3.32 | 1.24 | 2.65 | 0.01 | 0.10 | 0.48 | 0.00 |
| Col31 | 25 | 0.17 | 8.41 | -0.33 | 3.32 | 1.24 | 2.65 | 0.02 | 0.10 | 0.49 | 0.00 |
| Col31 | 26 | 0.07 | 8.41 | -0.33 | 3.32 | 1.24 | 2.65 | 0.01 | 0.10 | 0.48 | 0.00 |
| Col31 | 27 | 0.13 | 8.41 | -0.33 | 3.32 | 1.24 | 2.65 | 0.02 | 0.10 | 0.48 | 0.00 |
| Col31 | 28 | -0.12 | 21.18 | 0.39 | 3.32 | -1.45 | 2.65 | 0.01 | 0.12 | 0.54 | 0.00 |

| | | | | | | | | | | | |
|--------|----|-------|-------|-------|------|-------|------|------|------|------|------|
| Col131 | 29 | -0.05 | 21.18 | 0.39 | 3.32 | -1.45 | 2.65 | 0.00 | 0.12 | 0.55 | 0.00 |
| Col131 | 30 | -0.12 | 21.18 | -0.45 | 3.32 | 1.65 | 2.65 | 0.01 | 0.13 | 0.62 | 0.00 |
| Col131 | 31 | -0.05 | 21.18 | -0.45 | 3.32 | 1.65 | 2.65 | 0.00 | 0.13 | 0.62 | 0.00 |
| Col131 | 32 | -0.12 | 21.18 | -0.45 | 3.32 | 1.65 | 2.65 | 0.01 | 0.13 | 0.62 | 0.00 |
| Col131 | 33 | -0.05 | 21.18 | -0.45 | 3.32 | 1.65 | 2.65 | 0.00 | 0.13 | 0.62 | 0.00 |
| Col131 | 34 | -0.07 | 21.18 | -0.45 | 3.32 | 1.65 | 2.65 | 0.00 | 0.13 | 0.62 | 0.00 |
| Col131 | 35 | 0.01 | 8.41 | -0.45 | 3.32 | 1.65 | 2.65 | 0.00 | 0.13 | 0.62 | 0.00 |
| Col131 | 36 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col131 | 37 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col131 | 38 | 0.28 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col131 | 39 | 0.28 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col131 | 40 | 0.21 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col131 | 41 | 0.21 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col131 | 42 | 0.21 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col131 | 43 | 0.21 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col131 | 44 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col131 | 45 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col131 | 46 | 0.29 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col131 | 47 | 0.14 | 8.41 | -0.33 | 3.32 | 1.24 | 2.65 | 0.02 | 0.10 | 0.48 | 0.00 |
| Col131 | 48 | 0.20 | 8.41 | -0.33 | 3.32 | 1.24 | 2.65 | 0.02 | 0.10 | 0.49 | 0.00 |
| Col131 | 49 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col131 | 50 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col131 | 51 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col131 | 52 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col132 | 1 | 0.34 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.04 | 0.00 | 0.04 | 0.00 |
| Col132 | 2 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col132 | 3 | 0.26 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col132 | 4 | 0.26 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col132 | 5 | 0.28 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col132 | 6 | 0.21 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col132 | 7 | 0.21 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col132 | 8 | -0.11 | 21.18 | 0.39 | 3.32 | -1.45 | 2.65 | 0.01 | 0.12 | 0.54 | 0.00 |
| Col132 | 9 | -0.03 | 21.18 | 0.39 | 3.32 | -1.45 | 2.65 | 0.00 | 0.12 | 0.55 | 0.00 |
| Col132 | 10 | -0.11 | 21.18 | -0.43 | 3.32 | 1.60 | 2.65 | 0.01 | 0.13 | 0.60 | 0.00 |
| Col132 | 11 | -0.03 | 21.18 | -0.43 | 3.32 | 1.60 | 2.65 | 0.00 | 0.13 | 0.60 | 0.00 |
| Col132 | 12 | -0.11 | 21.18 | -0.43 | 3.32 | 1.60 | 2.65 | 0.01 | 0.13 | 0.60 | 0.00 |
| Col132 | 13 | -0.03 | 21.18 | -0.43 | 3.32 | 1.60 | 2.65 | 0.00 | 0.13 | 0.60 | 0.00 |
| Col132 | 14 | -0.06 | 21.18 | -0.43 | 3.32 | 1.60 | 2.65 | 0.00 | 0.13 | 0.60 | 0.00 |
| Col132 | 15 | 0.02 | 8.41 | -0.43 | 3.32 | 1.60 | 2.65 | 0.00 | 0.13 | 0.61 | 0.00 |
| Col132 | 16 | 0.18 | 8.41 | -0.32 | 3.32 | 1.20 | 2.65 | 0.02 | 0.10 | 0.48 | 0.00 |
| Col132 | 17 | 0.24 | 8.41 | -0.32 | 3.32 | 1.20 | 2.65 | 0.03 | 0.10 | 0.48 | 0.00 |
| Col132 | 18 | 0.14 | 8.41 | -0.32 | 3.32 | 1.20 | 2.65 | 0.02 | 0.10 | 0.47 | 0.00 |
| Col132 | 19 | 0.20 | 8.41 | -0.32 | 3.32 | 1.20 | 2.65 | 0.02 | 0.10 | 0.48 | 0.00 |
| Col132 | 20 | 0.12 | 8.41 | -0.32 | 3.32 | 1.20 | 2.65 | 0.01 | 0.10 | 0.47 | 0.00 |
| Col132 | 21 | 0.17 | 8.41 | -0.32 | 3.32 | 1.20 | 2.65 | 0.02 | 0.10 | 0.47 | 0.00 |
| Col132 | 22 | 0.07 | 8.41 | -0.32 | 3.32 | 1.20 | 2.65 | 0.01 | 0.10 | 0.46 | 0.00 |
| Col132 | 23 | 0.13 | 8.41 | -0.32 | 3.32 | 1.20 | 2.65 | 0.02 | 0.10 | 0.47 | 0.00 |
| Col132 | 24 | 0.12 | 8.41 | -0.32 | 3.32 | 1.20 | 2.65 | 0.01 | 0.10 | 0.47 | 0.00 |
| Col132 | 25 | 0.17 | 8.41 | -0.32 | 3.32 | 1.20 | 2.65 | 0.02 | 0.10 | 0.47 | 0.00 |
| Col132 | 26 | 0.07 | 8.41 | -0.32 | 3.32 | 1.20 | 2.65 | 0.01 | 0.10 | 0.46 | 0.00 |
| Col132 | 27 | 0.13 | 8.41 | -0.32 | 3.32 | 1.20 | 2.65 | 0.02 | 0.10 | 0.47 | 0.00 |
| Col132 | 28 | -0.12 | 21.18 | 0.39 | 3.32 | -1.45 | 2.65 | 0.01 | 0.12 | 0.54 | 0.00 |
| Col132 | 29 | -0.05 | 21.18 | 0.39 | 3.32 | -1.45 | 2.65 | 0.00 | 0.12 | 0.55 | 0.00 |
| Col132 | 30 | -0.12 | 21.18 | -0.43 | 3.32 | 1.60 | 2.65 | 0.01 | 0.13 | 0.60 | 0.00 |
| Col132 | 31 | -0.05 | 21.18 | -0.43 | 3.32 | 1.60 | 2.65 | 0.00 | 0.13 | 0.60 | 0.00 |
| Col132 | 32 | -0.12 | 21.18 | -0.43 | 3.32 | 1.60 | 2.65 | 0.01 | 0.13 | 0.60 | 0.00 |
| Col132 | 33 | -0.05 | 21.18 | -0.43 | 3.32 | 1.60 | 2.65 | 0.00 | 0.13 | 0.60 | 0.00 |
| Col132 | 34 | -0.07 | 21.18 | -0.43 | 3.32 | 1.60 | 2.65 | 0.00 | 0.13 | 0.60 | 0.00 |
| Col132 | 35 | 0.01 | 8.41 | -0.43 | 3.32 | 1.60 | 2.65 | 0.00 | 0.13 | 0.61 | 0.00 |
| Col132 | 36 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col132 | 37 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col132 | 38 | 0.28 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col132 | 39 | 0.28 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col132 | 40 | 0.21 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col132 | 41 | 0.21 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |

| | | | | | | | | | | | |
|--------|----|-------|-------|-------|------|-------|------|------|------|------|------|
| Col135 | 16 | 0.19 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col135 | 17 | 0.25 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.03 | 0.10 | 0.51 | 0.00 |
| Col135 | 18 | 0.15 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col135 | 19 | 0.21 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.51 | 0.00 |
| Col135 | 20 | 0.12 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.01 | 0.10 | 0.50 | 0.00 |
| Col135 | 21 | 0.18 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col135 | 22 | 0.08 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.01 | 0.10 | 0.49 | 0.00 |
| Col135 | 23 | 0.14 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col135 | 24 | 0.12 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.01 | 0.10 | 0.50 | 0.00 |
| Col135 | 25 | 0.18 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col135 | 26 | 0.08 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.01 | 0.10 | 0.49 | 0.00 |
| Col135 | 27 | 0.14 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col135 | 28 | -0.13 | 21.18 | 0.42 | 3.32 | -1.54 | 2.65 | 0.01 | 0.13 | 0.58 | 0.00 |
| Col135 | 29 | -0.05 | 21.18 | 0.42 | 3.32 | -1.54 | 2.65 | 0.00 | 0.13 | 0.58 | 0.00 |
| Col135 | 30 | -0.13 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.01 | 0.14 | 0.64 | 0.00 |
| Col135 | 31 | -0.05 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col135 | 32 | -0.13 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.01 | 0.14 | 0.64 | 0.00 |
| Col135 | 33 | -0.05 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col135 | 34 | -0.07 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col135 | 35 | 0.01 | 8.41 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col135 | 36 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col135 | 37 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col135 | 38 | 0.29 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col135 | 39 | 0.29 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col135 | 40 | 0.22 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col135 | 41 | 0.22 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col135 | 42 | 0.22 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col135 | 43 | 0.22 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col135 | 44 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col135 | 45 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col135 | 46 | 0.31 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.04 | 0.00 | 0.04 | 0.00 |
| Col135 | 47 | 0.15 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col135 | 48 | 0.21 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.51 | 0.00 |
| Col135 | 49 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col135 | 50 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col135 | 51 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col135 | 52 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col136 | 1 | 0.36 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col136 | 2 | 0.08 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col136 | 3 | 0.27 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col136 | 4 | 0.27 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col136 | 5 | 0.29 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col136 | 6 | 0.22 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col136 | 7 | 0.22 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col136 | 8 | -0.12 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col136 | 9 | -0.04 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col136 | 10 | -0.12 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col136 | 11 | -0.04 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col136 | 12 | -0.12 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col136 | 13 | -0.04 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col136 | 14 | -0.06 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col136 | 15 | 0.02 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col136 | 16 | 0.19 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col136 | 17 | 0.25 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col136 | 18 | 0.15 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col136 | 19 | 0.21 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col136 | 20 | 0.12 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col136 | 21 | 0.18 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col136 | 22 | 0.08 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col136 | 23 | 0.14 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col136 | 24 | 0.12 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col136 | 25 | 0.18 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col136 | 26 | 0.08 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col136 | 27 | 0.14 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col136 | 28 | -0.13 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |

| | | | | | | | | | | | |
|-------|----|-------|-------|-------|------|-------|------|------|------|------|------|
| Col36 | 29 | -0.05 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col36 | 30 | -0.13 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col36 | 31 | -0.05 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col36 | 32 | -0.13 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col36 | 33 | -0.05 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col36 | 34 | -0.07 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col36 | 35 | 0.01 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col36 | 36 | 0.08 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col36 | 37 | 0.08 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col36 | 38 | 0.29 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col36 | 39 | 0.29 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col36 | 40 | 0.22 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col36 | 41 | 0.22 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col36 | 42 | 0.22 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col36 | 43 | 0.22 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col36 | 44 | 0.06 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col36 | 45 | 0.06 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col36 | 46 | 0.31 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col36 | 47 | 0.15 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col36 | 48 | 0.21 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col36 | 49 | 0.08 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col36 | 50 | 0.08 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col36 | 51 | 0.06 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col36 | 52 | 0.06 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col37 | 1 | 0.36 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.04 | 0.00 | 0.04 | 0.00 |
| Col37 | 2 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col37 | 3 | 0.27 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col37 | 4 | 0.27 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col37 | 5 | 0.29 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col37 | 6 | 0.22 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col37 | 7 | 0.22 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col37 | 8 | -0.12 | 21.18 | 0.42 | 3.32 | -1.54 | 2.65 | 0.01 | 0.13 | 0.58 | 0.00 |
| Col37 | 9 | -0.04 | 21.18 | 0.42 | 3.32 | -1.54 | 2.65 | 0.00 | 0.13 | 0.58 | 0.00 |
| Col37 | 10 | -0.12 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.01 | 0.14 | 0.64 | 0.00 |
| Col37 | 11 | -0.04 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col37 | 12 | -0.12 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.01 | 0.14 | 0.64 | 0.00 |
| Col37 | 13 | -0.04 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col37 | 14 | -0.06 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col37 | 15 | 0.02 | 8.41 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.65 | 0.00 |
| Col37 | 16 | 0.19 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col37 | 17 | 0.25 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.03 | 0.10 | 0.51 | 0.00 |
| Col37 | 18 | 0.15 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col37 | 19 | 0.21 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.51 | 0.00 |
| Col37 | 20 | 0.12 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.01 | 0.10 | 0.50 | 0.00 |
| Col37 | 21 | 0.18 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col37 | 22 | 0.08 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.01 | 0.10 | 0.49 | 0.00 |
| Col37 | 23 | 0.14 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col37 | 24 | 0.12 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.01 | 0.10 | 0.50 | 0.00 |
| Col37 | 25 | 0.18 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col37 | 26 | 0.08 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.01 | 0.10 | 0.49 | 0.00 |
| Col37 | 27 | 0.14 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col37 | 28 | -0.13 | 21.18 | 0.42 | 3.32 | -1.54 | 2.65 | 0.01 | 0.13 | 0.58 | 0.00 |
| Col37 | 29 | -0.05 | 21.18 | 0.42 | 3.32 | -1.54 | 2.65 | 0.00 | 0.13 | 0.58 | 0.00 |
| Col37 | 30 | -0.13 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.01 | 0.14 | 0.64 | 0.00 |
| Col37 | 31 | -0.05 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col37 | 32 | -0.13 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.01 | 0.14 | 0.64 | 0.00 |
| Col37 | 33 | -0.05 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col37 | 34 | -0.07 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col37 | 35 | 0.01 | 8.41 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col37 | 36 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col37 | 37 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col37 | 38 | 0.29 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col37 | 39 | 0.29 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col37 | 40 | 0.22 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col37 | 41 | 0.22 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |

| | | | | | | | | | | | |
|--------|----|-------|-------|-------|------|-------|------|------|------|------|------|
| Col137 | 42 | 0.22 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col137 | 43 | 0.22 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col137 | 44 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col137 | 45 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col137 | 46 | 0.31 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.04 | 0.00 | 0.04 | 0.00 |
| Col137 | 47 | 0.15 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col137 | 48 | 0.21 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.51 | 0.00 |
| Col137 | 49 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col137 | 50 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col137 | 51 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col137 | 52 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col138 | 1 | 0.36 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.04 | 0.00 | 0.04 | 0.00 |
| Col138 | 2 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col138 | 3 | 0.27 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col138 | 4 | 0.27 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col138 | 5 | 0.29 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col138 | 6 | 0.22 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col138 | 7 | 0.22 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col138 | 8 | -0.12 | 21.18 | 0.42 | 3.32 | -1.54 | 2.65 | 0.01 | 0.13 | 0.58 | 0.00 |
| Col138 | 9 | -0.04 | 21.18 | 0.42 | 3.32 | -1.54 | 2.65 | 0.00 | 0.13 | 0.58 | 0.00 |
| Col138 | 10 | -0.12 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.01 | 0.14 | 0.64 | 0.00 |
| Col138 | 11 | -0.04 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col138 | 12 | -0.12 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.01 | 0.14 | 0.64 | 0.00 |
| Col138 | 13 | -0.04 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col138 | 14 | -0.06 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col138 | 15 | 0.02 | 8.41 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.65 | 0.00 |
| Col138 | 16 | 0.19 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col138 | 17 | 0.25 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.03 | 0.10 | 0.51 | 0.00 |
| Col138 | 18 | 0.15 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col138 | 19 | 0.21 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.51 | 0.00 |
| Col138 | 20 | 0.12 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.01 | 0.10 | 0.50 | 0.00 |
| Col138 | 21 | 0.18 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col138 | 22 | 0.08 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.01 | 0.10 | 0.49 | 0.00 |
| Col138 | 23 | 0.14 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col138 | 24 | 0.12 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.01 | 0.10 | 0.50 | 0.00 |
| Col138 | 25 | 0.18 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col138 | 26 | 0.08 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.01 | 0.10 | 0.49 | 0.00 |
| Col138 | 27 | 0.14 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col138 | 28 | -0.13 | 21.18 | 0.42 | 3.32 | -1.54 | 2.65 | 0.01 | 0.13 | 0.58 | 0.00 |
| Col138 | 29 | -0.05 | 21.18 | 0.42 | 3.32 | -1.54 | 2.65 | 0.00 | 0.13 | 0.58 | 0.00 |
| Col138 | 30 | -0.13 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.01 | 0.14 | 0.64 | 0.00 |
| Col138 | 31 | -0.05 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col138 | 32 | -0.13 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.01 | 0.14 | 0.64 | 0.00 |
| Col138 | 33 | -0.05 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col138 | 34 | -0.07 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col138 | 35 | 0.01 | 8.41 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col138 | 36 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col138 | 37 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col138 | 38 | 0.29 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col138 | 39 | 0.29 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col138 | 40 | 0.22 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col138 | 41 | 0.22 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col138 | 42 | 0.22 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col138 | 43 | 0.22 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col138 | 44 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col138 | 45 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col138 | 46 | 0.31 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.04 | 0.00 | 0.04 | 0.00 |
| Col138 | 47 | 0.15 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col138 | 48 | 0.21 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.51 | 0.00 |
| Col138 | 49 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col138 | 50 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col138 | 51 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col138 | 52 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col139 | 1 | 0.36 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col139 | 2 | 0.08 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |

| | | | | | | | | | | | |
|--------|----|-------|-------|-------|------|-------|------|------|------|------|------|
| Col139 | 3 | 0.27 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col139 | 4 | 0.27 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col139 | 5 | 0.29 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col139 | 6 | 0.22 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col139 | 7 | 0.22 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col139 | 8 | -0.12 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col139 | 9 | -0.04 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col139 | 10 | -0.12 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col139 | 11 | -0.04 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col139 | 12 | -0.12 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col139 | 13 | -0.04 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col139 | 14 | -0.06 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col139 | 15 | 0.02 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col139 | 16 | 0.19 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col139 | 17 | 0.25 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col139 | 18 | 0.15 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col139 | 19 | 0.21 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col139 | 20 | 0.12 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col139 | 21 | 0.18 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col139 | 22 | 0.08 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col139 | 23 | 0.14 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col139 | 24 | 0.12 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col139 | 25 | 0.18 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col139 | 26 | 0.08 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col139 | 27 | 0.14 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col139 | 28 | -0.13 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col139 | 29 | -0.05 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col139 | 30 | -0.13 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col139 | 31 | -0.05 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col139 | 32 | -0.13 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col139 | 33 | -0.05 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col139 | 34 | -0.07 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col139 | 35 | 0.01 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col139 | 36 | 0.08 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col139 | 37 | 0.08 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col139 | 38 | 0.29 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col139 | 39 | 0.29 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col139 | 40 | 0.22 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col139 | 41 | 0.22 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col139 | 42 | 0.22 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col139 | 43 | 0.22 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col139 | 44 | 0.06 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col139 | 45 | 0.06 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col139 | 46 | 0.31 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col139 | 47 | 0.15 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col139 | 48 | 0.21 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col139 | 49 | 0.08 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col139 | 50 | 0.08 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col139 | 51 | 0.06 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col139 | 52 | 0.06 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col140 | 1 | 0.36 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.04 | 0.00 | 0.04 | 0.00 |
| Col140 | 2 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col140 | 3 | 0.27 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col140 | 4 | 0.27 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col140 | 5 | 0.29 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col140 | 6 | 0.22 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col140 | 7 | 0.22 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col140 | 8 | -0.12 | 21.18 | 0.42 | 3.32 | -1.54 | 2.65 | 0.01 | 0.13 | 0.58 | 0.00 |
| Col140 | 9 | -0.04 | 21.18 | 0.42 | 3.32 | -1.54 | 2.65 | 0.00 | 0.13 | 0.58 | 0.00 |
| Col140 | 10 | -0.12 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.01 | 0.14 | 0.64 | 0.00 |
| Col140 | 11 | -0.04 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col140 | 12 | -0.12 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.01 | 0.14 | 0.64 | 0.00 |
| Col140 | 13 | -0.04 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col140 | 14 | -0.06 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col140 | 15 | 0.02 | 8.41 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.65 | 0.00 |

| | | | | | | | | | | | |
|-------|----|-------|-------|-------|------|-------|------|------|------|------|------|
| Col41 | 29 | -0.05 | 21.18 | 0.42 | 3.32 | -1.54 | 2.65 | 0.00 | 0.13 | 0.58 | 0.00 |
| Col41 | 30 | -0.13 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.01 | 0.14 | 0.64 | 0.00 |
| Col41 | 31 | -0.05 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col41 | 32 | -0.13 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.01 | 0.14 | 0.64 | 0.00 |
| Col41 | 33 | -0.05 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col41 | 34 | -0.07 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col41 | 35 | 0.01 | 8.41 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col41 | 36 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col41 | 37 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col41 | 38 | 0.29 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col41 | 39 | 0.29 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col41 | 40 | 0.22 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col41 | 41 | 0.22 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col41 | 42 | 0.22 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col41 | 43 | 0.22 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col41 | 44 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col41 | 45 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col41 | 46 | 0.31 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.04 | 0.00 | 0.04 | 0.00 |
| Col41 | 47 | 0.15 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col41 | 48 | 0.21 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.51 | 0.00 |
| Col41 | 49 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col41 | 50 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col41 | 51 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col41 | 52 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col42 | 1 | 0.36 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col42 | 2 | 0.08 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col42 | 3 | 0.27 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col42 | 4 | 0.27 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col42 | 5 | 0.29 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col42 | 6 | 0.22 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col42 | 7 | 0.22 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col42 | 8 | -0.12 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col42 | 9 | -0.04 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col42 | 10 | -0.12 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col42 | 11 | -0.04 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col42 | 12 | -0.12 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col42 | 13 | -0.04 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col42 | 14 | -0.06 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col42 | 15 | 0.02 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col42 | 16 | 0.19 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col42 | 17 | 0.25 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col42 | 18 | 0.15 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col42 | 19 | 0.21 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col42 | 20 | 0.12 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col42 | 21 | 0.18 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col42 | 22 | 0.08 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col42 | 23 | 0.14 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col42 | 24 | 0.12 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col42 | 25 | 0.18 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col42 | 26 | 0.08 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col42 | 27 | 0.14 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col42 | 28 | -0.13 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col42 | 29 | -0.05 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col42 | 30 | -0.13 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col42 | 31 | -0.05 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col42 | 32 | -0.13 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col42 | 33 | -0.05 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col42 | 34 | -0.07 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col42 | 35 | 0.01 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col42 | 36 | 0.08 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col42 | 37 | 0.08 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col42 | 38 | 0.29 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col42 | 39 | 0.29 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col42 | 40 | 0.22 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col42 | 41 | 0.22 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |

| | | | | | | | | | | | |
|-------|----|-------|-------|-------|------|-------|------|------|------|------|------|
| Col42 | 42 | 0.22 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col42 | 43 | 0.22 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col42 | 44 | 0.06 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col42 | 45 | 0.06 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col42 | 46 | 0.31 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col42 | 47 | 0.15 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col42 | 48 | 0.21 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col42 | 49 | 0.08 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col42 | 50 | 0.08 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col42 | 51 | 0.06 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col42 | 52 | 0.06 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col43 | 1 | 0.36 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.04 | 0.00 | 0.04 | 0.00 |
| Col43 | 2 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col43 | 3 | 0.27 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col43 | 4 | 0.27 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col43 | 5 | 0.29 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col43 | 6 | 0.22 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col43 | 7 | 0.22 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col43 | 8 | -0.12 | 21.18 | 0.42 | 3.32 | -1.54 | 2.65 | 0.01 | 0.13 | 0.58 | 0.00 |
| Col43 | 9 | -0.04 | 21.18 | 0.42 | 3.32 | -1.54 | 2.65 | 0.00 | 0.13 | 0.58 | 0.00 |
| Col43 | 10 | -0.12 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.01 | 0.14 | 0.64 | 0.00 |
| Col43 | 11 | -0.04 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col43 | 12 | -0.12 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.01 | 0.14 | 0.64 | 0.00 |
| Col43 | 13 | -0.04 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col43 | 14 | -0.06 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col43 | 15 | 0.02 | 8.41 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.65 | 0.00 |
| Col43 | 16 | 0.19 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col43 | 17 | 0.25 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.03 | 0.10 | 0.51 | 0.00 |
| Col43 | 18 | 0.15 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col43 | 19 | 0.21 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.51 | 0.00 |
| Col43 | 20 | 0.12 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.01 | 0.10 | 0.50 | 0.00 |
| Col43 | 21 | 0.18 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col43 | 22 | 0.08 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.01 | 0.10 | 0.49 | 0.00 |
| Col43 | 23 | 0.14 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col43 | 24 | 0.12 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.01 | 0.10 | 0.50 | 0.00 |
| Col43 | 25 | 0.18 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col43 | 26 | 0.08 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.01 | 0.10 | 0.49 | 0.00 |
| Col43 | 27 | 0.14 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col43 | 28 | -0.13 | 21.18 | 0.42 | 3.32 | -1.54 | 2.65 | 0.01 | 0.13 | 0.58 | 0.00 |
| Col43 | 29 | -0.05 | 21.18 | 0.42 | 3.32 | -1.54 | 2.65 | 0.00 | 0.13 | 0.58 | 0.00 |
| Col43 | 30 | -0.13 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.01 | 0.14 | 0.64 | 0.00 |
| Col43 | 31 | -0.05 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col43 | 32 | -0.13 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.01 | 0.14 | 0.64 | 0.00 |
| Col43 | 33 | -0.05 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col43 | 34 | -0.07 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col43 | 35 | 0.01 | 8.41 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col43 | 36 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col43 | 37 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col43 | 38 | 0.29 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col43 | 39 | 0.29 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col43 | 40 | 0.22 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col43 | 41 | 0.22 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col43 | 42 | 0.22 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col43 | 43 | 0.22 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col43 | 44 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col43 | 45 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col43 | 46 | 0.31 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.04 | 0.00 | 0.04 | 0.00 |
| Col43 | 47 | 0.15 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col43 | 48 | 0.21 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.51 | 0.00 |
| Col43 | 49 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col43 | 50 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col43 | 51 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col43 | 52 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col44 | 1 | 0.36 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.04 | 0.00 | 0.04 | 0.00 |
| Col44 | 2 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |

| | | | | | | | | | | | |
|-------|----|-------|-------|-------|------|-------|------|------|------|------|------|
| Col44 | 3 | 0.27 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col44 | 4 | 0.27 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col44 | 5 | 0.29 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col44 | 6 | 0.22 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col44 | 7 | 0.22 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col44 | 8 | -0.12 | 21.18 | 0.42 | 3.32 | -1.54 | 2.65 | 0.01 | 0.13 | 0.58 | 0.00 |
| Col44 | 9 | -0.04 | 21.18 | 0.42 | 3.32 | -1.54 | 2.65 | 0.00 | 0.13 | 0.58 | 0.00 |
| Col44 | 10 | -0.12 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.01 | 0.14 | 0.64 | 0.00 |
| Col44 | 11 | -0.04 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col44 | 12 | -0.12 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.01 | 0.14 | 0.64 | 0.00 |
| Col44 | 13 | -0.04 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col44 | 14 | -0.06 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col44 | 15 | 0.02 | 8.41 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.65 | 0.00 |
| Col44 | 16 | 0.19 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col44 | 17 | 0.25 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.03 | 0.10 | 0.51 | 0.00 |
| Col44 | 18 | 0.15 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col44 | 19 | 0.21 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.51 | 0.00 |
| Col44 | 20 | 0.12 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.01 | 0.10 | 0.50 | 0.00 |
| Col44 | 21 | 0.18 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col44 | 22 | 0.08 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.01 | 0.10 | 0.49 | 0.00 |
| Col44 | 23 | 0.14 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col44 | 24 | 0.12 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.01 | 0.10 | 0.50 | 0.00 |
| Col44 | 25 | 0.18 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col44 | 26 | 0.08 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.01 | 0.10 | 0.49 | 0.00 |
| Col44 | 27 | 0.14 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col44 | 28 | -0.13 | 21.18 | 0.42 | 3.32 | -1.54 | 2.65 | 0.01 | 0.13 | 0.58 | 0.00 |
| Col44 | 29 | -0.05 | 21.18 | 0.42 | 3.32 | -1.54 | 2.65 | 0.00 | 0.13 | 0.58 | 0.00 |
| Col44 | 30 | -0.13 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.01 | 0.14 | 0.64 | 0.00 |
| Col44 | 31 | -0.05 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col44 | 32 | -0.13 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.01 | 0.14 | 0.64 | 0.00 |
| Col44 | 33 | -0.05 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col44 | 34 | -0.07 | 21.18 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col44 | 35 | 0.01 | 8.41 | -0.46 | 3.32 | 1.70 | 2.65 | 0.00 | 0.14 | 0.64 | 0.00 |
| Col44 | 36 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col44 | 37 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col44 | 38 | 0.29 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col44 | 39 | 0.29 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col44 | 40 | 0.22 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col44 | 41 | 0.22 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col44 | 42 | 0.22 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col44 | 43 | 0.22 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col44 | 44 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col44 | 45 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col44 | 46 | 0.31 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.04 | 0.00 | 0.04 | 0.00 |
| Col44 | 47 | 0.15 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.50 | 0.00 |
| Col44 | 48 | 0.21 | 8.41 | -0.35 | 3.32 | 1.28 | 2.65 | 0.02 | 0.10 | 0.51 | 0.00 |
| Col44 | 49 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col44 | 50 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col44 | 51 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col44 | 52 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col45 | 1 | 0.35 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col45 | 2 | 0.08 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col45 | 3 | 0.26 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col45 | 4 | 0.26 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col45 | 5 | 0.28 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col45 | 6 | 0.22 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col45 | 7 | 0.22 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col45 | 8 | -0.12 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col45 | 9 | -0.04 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col45 | 10 | -0.12 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col45 | 11 | -0.04 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col45 | 12 | -0.12 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col45 | 13 | -0.04 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col45 | 14 | -0.06 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col45 | 15 | 0.02 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | |
|-------|----|-------|-------|-------|------|-------|------|------|------|------|------|
| Col45 | 16 | 0.19 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col45 | 17 | 0.25 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col45 | 18 | 0.14 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col45 | 19 | 0.20 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col45 | 20 | 0.12 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col45 | 21 | 0.18 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col45 | 22 | 0.08 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col45 | 23 | 0.14 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col45 | 24 | 0.12 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col45 | 25 | 0.18 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col45 | 26 | 0.08 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col45 | 27 | 0.14 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col45 | 28 | -0.13 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col45 | 29 | -0.05 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col45 | 30 | -0.13 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col45 | 31 | -0.05 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col45 | 32 | -0.13 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col45 | 33 | -0.05 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col45 | 34 | -0.07 | 21.18 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col45 | 35 | 0.01 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Col45 | 36 | 0.08 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col45 | 37 | 0.08 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col45 | 38 | 0.29 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col45 | 39 | 0.29 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col45 | 40 | 0.22 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col45 | 41 | 0.22 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col45 | 42 | 0.22 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col45 | 43 | 0.22 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col45 | 44 | 0.06 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col45 | 45 | 0.06 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col45 | 46 | 0.30 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col45 | 47 | 0.14 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col45 | 48 | 0.20 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col45 | 49 | 0.08 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col45 | 50 | 0.08 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col45 | 51 | 0.06 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col45 | 52 | 0.06 | 10.79 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col46 | 1 | 0.34 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.04 | 0.00 | 0.04 | 0.00 |
| Col46 | 2 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col46 | 3 | 0.26 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col46 | 4 | 0.26 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col46 | 5 | 0.28 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col46 | 6 | 0.21 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col46 | 7 | 0.21 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col46 | 8 | -0.11 | 21.18 | 0.39 | 3.32 | -1.45 | 2.65 | 0.01 | 0.12 | 0.54 | 0.00 |
| Col46 | 9 | -0.03 | 21.18 | 0.39 | 3.32 | -1.45 | 2.65 | 0.00 | 0.12 | 0.55 | 0.00 |
| Col46 | 10 | -0.11 | 21.18 | -0.43 | 3.32 | 1.60 | 2.65 | 0.01 | 0.13 | 0.60 | 0.00 |
| Col46 | 11 | -0.03 | 21.18 | -0.43 | 3.32 | 1.60 | 2.65 | 0.00 | 0.13 | 0.60 | 0.00 |
| Col46 | 12 | -0.11 | 21.18 | -0.43 | 3.32 | 1.60 | 2.65 | 0.01 | 0.13 | 0.60 | 0.00 |
| Col46 | 13 | -0.03 | 21.18 | -0.43 | 3.32 | 1.60 | 2.65 | 0.00 | 0.13 | 0.60 | 0.00 |
| Col46 | 14 | -0.06 | 21.18 | -0.43 | 3.32 | 1.60 | 2.65 | 0.00 | 0.13 | 0.60 | 0.00 |
| Col46 | 15 | 0.02 | 8.41 | -0.43 | 3.32 | 1.60 | 2.65 | 0.00 | 0.13 | 0.61 | 0.00 |
| Col46 | 16 | 0.18 | 8.41 | -0.32 | 3.32 | 1.20 | 2.65 | 0.02 | 0.10 | 0.48 | 0.00 |
| Col46 | 17 | 0.24 | 8.41 | -0.32 | 3.32 | 1.20 | 2.65 | 0.03 | 0.10 | 0.48 | 0.00 |
| Col46 | 18 | 0.14 | 8.41 | -0.32 | 3.32 | 1.20 | 2.65 | 0.02 | 0.10 | 0.47 | 0.00 |
| Col46 | 19 | 0.20 | 8.41 | -0.32 | 3.32 | 1.20 | 2.65 | 0.02 | 0.10 | 0.48 | 0.00 |
| Col46 | 20 | 0.12 | 8.41 | -0.32 | 3.32 | 1.20 | 2.65 | 0.01 | 0.10 | 0.47 | 0.00 |
| Col46 | 21 | 0.17 | 8.41 | -0.32 | 3.32 | 1.20 | 2.65 | 0.02 | 0.10 | 0.47 | 0.00 |
| Col46 | 22 | 0.07 | 8.41 | -0.32 | 3.32 | 1.20 | 2.65 | 0.01 | 0.10 | 0.46 | 0.00 |
| Col46 | 23 | 0.13 | 8.41 | -0.32 | 3.32 | 1.20 | 2.65 | 0.02 | 0.10 | 0.47 | 0.00 |
| Col46 | 24 | 0.12 | 8.41 | -0.32 | 3.32 | 1.20 | 2.65 | 0.01 | 0.10 | 0.47 | 0.00 |
| Col46 | 25 | 0.17 | 8.41 | -0.32 | 3.32 | 1.20 | 2.65 | 0.02 | 0.10 | 0.47 | 0.00 |
| Col46 | 26 | 0.07 | 8.41 | -0.32 | 3.32 | 1.20 | 2.65 | 0.01 | 0.10 | 0.46 | 0.00 |
| Col46 | 27 | 0.13 | 8.41 | -0.32 | 3.32 | 1.20 | 2.65 | 0.02 | 0.10 | 0.47 | 0.00 |
| Col46 | 28 | -0.12 | 21.18 | 0.39 | 3.32 | -1.45 | 2.65 | 0.01 | 0.12 | 0.54 | 0.00 |

| | | | | | | | | | | | |
|-------|----|-------|-------|-------|------|-------|------|------|------|------|------|
| Col46 | 29 | -0.05 | 21.18 | 0.39 | 3.32 | -1.45 | 2.65 | 0.00 | 0.12 | 0.55 | 0.00 |
| Col46 | 30 | -0.12 | 21.18 | -0.43 | 3.32 | 1.60 | 2.65 | 0.01 | 0.13 | 0.60 | 0.00 |
| Col46 | 31 | -0.05 | 21.18 | -0.43 | 3.32 | 1.60 | 2.65 | 0.00 | 0.13 | 0.60 | 0.00 |
| Col46 | 32 | -0.12 | 21.18 | -0.43 | 3.32 | 1.60 | 2.65 | 0.01 | 0.13 | 0.60 | 0.00 |
| Col46 | 33 | -0.05 | 21.18 | -0.43 | 3.32 | 1.60 | 2.65 | 0.00 | 0.13 | 0.60 | 0.00 |
| Col46 | 34 | -0.07 | 21.18 | -0.43 | 3.32 | 1.60 | 2.65 | 0.00 | 0.13 | 0.60 | 0.00 |
| Col46 | 35 | 0.01 | 8.41 | -0.43 | 3.32 | 1.60 | 2.65 | 0.00 | 0.13 | 0.61 | 0.00 |
| Col46 | 36 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col46 | 37 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col46 | 38 | 0.28 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col46 | 39 | 0.28 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col46 | 40 | 0.21 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col46 | 41 | 0.21 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col46 | 42 | 0.21 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col46 | 43 | 0.21 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col46 | 44 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col46 | 45 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col46 | 46 | 0.29 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col46 | 47 | 0.14 | 8.41 | -0.32 | 3.32 | 1.20 | 2.65 | 0.02 | 0.10 | 0.47 | 0.00 |
| Col46 | 48 | 0.20 | 8.41 | -0.32 | 3.32 | 1.20 | 2.65 | 0.02 | 0.10 | 0.48 | 0.00 |
| Col46 | 49 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col46 | 50 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col46 | 51 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col46 | 52 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col47 | 1 | 0.34 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.04 | 0.00 | 0.04 | 0.00 |
| Col47 | 2 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col47 | 3 | 0.26 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col47 | 4 | 0.26 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col47 | 5 | 0.28 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col47 | 6 | 0.21 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col47 | 7 | 0.21 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col47 | 8 | -0.11 | 21.18 | 0.39 | 3.32 | -1.45 | 2.65 | 0.01 | 0.12 | 0.54 | 0.00 |
| Col47 | 9 | -0.03 | 21.18 | 0.39 | 3.32 | -1.45 | 2.65 | 0.00 | 0.12 | 0.55 | 0.00 |
| Col47 | 10 | -0.11 | 21.18 | -0.45 | 3.32 | 1.65 | 2.65 | 0.01 | 0.13 | 0.62 | 0.00 |
| Col47 | 11 | -0.03 | 21.18 | -0.45 | 3.32 | 1.65 | 2.65 | 0.00 | 0.13 | 0.62 | 0.00 |
| Col47 | 12 | -0.11 | 21.18 | -0.45 | 3.32 | 1.65 | 2.65 | 0.01 | 0.13 | 0.62 | 0.00 |
| Col47 | 13 | -0.03 | 21.18 | -0.45 | 3.32 | 1.65 | 2.65 | 0.00 | 0.13 | 0.62 | 0.00 |
| Col47 | 14 | -0.06 | 21.18 | -0.45 | 3.32 | 1.65 | 2.65 | 0.00 | 0.13 | 0.62 | 0.00 |
| Col47 | 15 | 0.02 | 8.41 | -0.45 | 3.32 | 1.65 | 2.65 | 0.00 | 0.13 | 0.63 | 0.00 |
| Col47 | 16 | 0.18 | 8.41 | -0.33 | 3.32 | 1.24 | 2.65 | 0.02 | 0.10 | 0.49 | 0.00 |
| Col47 | 17 | 0.24 | 8.41 | -0.33 | 3.32 | 1.24 | 2.65 | 0.03 | 0.10 | 0.50 | 0.00 |
| Col47 | 18 | 0.14 | 8.41 | -0.33 | 3.32 | 1.24 | 2.65 | 0.02 | 0.10 | 0.48 | 0.00 |
| Col47 | 19 | 0.20 | 8.41 | -0.33 | 3.32 | 1.24 | 2.65 | 0.02 | 0.10 | 0.49 | 0.00 |
| Col47 | 20 | 0.12 | 8.41 | -0.33 | 3.32 | 1.24 | 2.65 | 0.01 | 0.10 | 0.48 | 0.00 |
| Col47 | 21 | 0.17 | 8.41 | -0.33 | 3.32 | 1.24 | 2.65 | 0.02 | 0.10 | 0.49 | 0.00 |
| Col47 | 22 | 0.07 | 8.41 | -0.33 | 3.32 | 1.24 | 2.65 | 0.01 | 0.10 | 0.48 | 0.00 |
| Col47 | 23 | 0.13 | 8.41 | -0.33 | 3.32 | 1.24 | 2.65 | 0.02 | 0.10 | 0.48 | 0.00 |
| Col47 | 24 | 0.12 | 8.41 | -0.33 | 3.32 | 1.24 | 2.65 | 0.01 | 0.10 | 0.48 | 0.00 |
| Col47 | 25 | 0.17 | 8.41 | -0.33 | 3.32 | 1.24 | 2.65 | 0.02 | 0.10 | 0.49 | 0.00 |
| Col47 | 26 | 0.07 | 8.41 | -0.33 | 3.32 | 1.24 | 2.65 | 0.01 | 0.10 | 0.48 | 0.00 |
| Col47 | 27 | 0.13 | 8.41 | -0.33 | 3.32 | 1.24 | 2.65 | 0.02 | 0.10 | 0.48 | 0.00 |
| Col47 | 28 | -0.12 | 21.18 | 0.39 | 3.32 | -1.45 | 2.65 | 0.01 | 0.12 | 0.54 | 0.00 |
| Col47 | 29 | -0.05 | 21.18 | 0.39 | 3.32 | -1.45 | 2.65 | 0.00 | 0.12 | 0.55 | 0.00 |
| Col47 | 30 | -0.12 | 21.18 | -0.45 | 3.32 | 1.65 | 2.65 | 0.01 | 0.13 | 0.62 | 0.00 |
| Col47 | 31 | -0.05 | 21.18 | -0.45 | 3.32 | 1.65 | 2.65 | 0.00 | 0.13 | 0.62 | 0.00 |
| Col47 | 32 | -0.12 | 21.18 | -0.45 | 3.32 | 1.65 | 2.65 | 0.01 | 0.13 | 0.62 | 0.00 |
| Col47 | 33 | -0.05 | 21.18 | -0.45 | 3.32 | 1.65 | 2.65 | 0.00 | 0.13 | 0.62 | 0.00 |
| Col47 | 34 | -0.07 | 21.18 | -0.45 | 3.32 | 1.65 | 2.65 | 0.00 | 0.13 | 0.62 | 0.00 |
| Col47 | 35 | 0.01 | 8.41 | -0.45 | 3.32 | 1.65 | 2.65 | 0.00 | 0.13 | 0.62 | 0.00 |
| Col47 | 36 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col47 | 37 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col47 | 38 | 0.28 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col47 | 39 | 0.28 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col47 | 40 | 0.21 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col47 | 41 | 0.21 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |

| | | | | | | | | | | | |
|--------|----|-------|-------|-------|------|-------|------|------|------|------|------|
| Col147 | 42 | 0.21 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col147 | 43 | 0.21 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col147 | 44 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col147 | 45 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col147 | 46 | 0.29 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col147 | 47 | 0.14 | 8.41 | -0.33 | 3.32 | 1.24 | 2.65 | 0.02 | 0.10 | 0.48 | 0.00 |
| Col147 | 48 | 0.20 | 8.41 | -0.33 | 3.32 | 1.24 | 2.65 | 0.02 | 0.10 | 0.49 | 0.00 |
| Col147 | 49 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col147 | 50 | 0.08 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col147 | 51 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col147 | 52 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col148 | 1 | 0.19 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col148 | 2 | 0.05 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col148 | 3 | 0.14 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col148 | 4 | 0.14 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col148 | 5 | 0.15 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col148 | 6 | 0.12 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col148 | 7 | 0.12 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col148 | 8 | -0.04 | 21.18 | 0.20 | 3.32 | -0.73 | 2.65 | 0.00 | 0.06 | 0.27 | 0.00 |
| Col148 | 9 | 0.00 | 21.18 | 0.20 | 3.32 | -0.73 | 2.65 | 0.00 | 0.06 | 0.27 | 0.00 |
| Col148 | 10 | -0.04 | 21.18 | -0.23 | 3.32 | 0.86 | 2.65 | 0.00 | 0.07 | 0.32 | 0.00 |
| Col148 | 11 | 0.00 | 21.18 | -0.23 | 3.32 | 0.86 | 2.65 | 0.00 | 0.07 | 0.32 | 0.00 |
| Col148 | 12 | -0.04 | 21.18 | -0.23 | 3.32 | 0.86 | 2.65 | 0.00 | 0.07 | 0.32 | 0.00 |
| Col148 | 13 | 0.00 | 21.18 | -0.23 | 3.32 | 0.86 | 2.65 | 0.00 | 0.07 | 0.32 | 0.00 |
| Col148 | 14 | -0.01 | 21.18 | -0.23 | 3.32 | 0.86 | 2.65 | 0.00 | 0.07 | 0.32 | 0.00 |
| Col148 | 15 | 0.03 | 8.41 | -0.23 | 3.32 | 0.86 | 2.65 | 0.00 | 0.07 | 0.33 | 0.00 |
| Col148 | 16 | 0.11 | 8.41 | -0.17 | 3.32 | 0.64 | 2.65 | 0.01 | 0.05 | 0.26 | 0.00 |
| Col148 | 17 | 0.14 | 8.41 | -0.17 | 3.32 | 0.64 | 2.65 | 0.02 | 0.05 | 0.26 | 0.00 |
| Col148 | 18 | 0.09 | 8.41 | -0.17 | 3.32 | 0.64 | 2.65 | 0.01 | 0.05 | 0.25 | 0.00 |
| Col148 | 19 | 0.12 | 8.41 | -0.17 | 3.32 | 0.64 | 2.65 | 0.01 | 0.05 | 0.26 | 0.00 |
| Col148 | 20 | 0.07 | 8.41 | -0.17 | 3.32 | 0.64 | 2.65 | 0.01 | 0.05 | 0.25 | 0.00 |
| Col148 | 21 | 0.10 | 8.41 | -0.17 | 3.32 | 0.64 | 2.65 | 0.01 | 0.05 | 0.26 | 0.00 |
| Col148 | 22 | 0.05 | 8.41 | -0.17 | 3.32 | 0.64 | 2.65 | 0.01 | 0.05 | 0.25 | 0.00 |
| Col148 | 23 | 0.08 | 8.41 | -0.17 | 3.32 | 0.64 | 2.65 | 0.01 | 0.05 | 0.25 | 0.00 |
| Col148 | 24 | 0.07 | 8.41 | -0.17 | 3.32 | 0.64 | 2.65 | 0.01 | 0.05 | 0.25 | 0.00 |
| Col148 | 25 | 0.10 | 8.41 | -0.17 | 3.32 | 0.64 | 2.65 | 0.01 | 0.05 | 0.26 | 0.00 |
| Col148 | 26 | 0.05 | 8.41 | -0.17 | 3.32 | 0.64 | 2.65 | 0.01 | 0.05 | 0.25 | 0.00 |
| Col148 | 27 | 0.08 | 8.41 | -0.17 | 3.32 | 0.64 | 2.65 | 0.01 | 0.05 | 0.25 | 0.00 |
| Col148 | 28 | -0.05 | 21.18 | 0.20 | 3.32 | -0.73 | 2.65 | 0.00 | 0.06 | 0.27 | 0.00 |
| Col148 | 29 | -0.01 | 21.18 | 0.20 | 3.32 | -0.73 | 2.65 | 0.00 | 0.06 | 0.27 | 0.00 |
| Col148 | 30 | -0.05 | 21.18 | -0.23 | 3.32 | 0.86 | 2.65 | 0.00 | 0.07 | 0.32 | 0.00 |
| Col148 | 31 | -0.01 | 21.18 | -0.23 | 3.32 | 0.86 | 2.65 | 0.00 | 0.07 | 0.32 | 0.00 |
| Col148 | 32 | -0.05 | 21.18 | -0.23 | 3.32 | 0.86 | 2.65 | 0.00 | 0.07 | 0.32 | 0.00 |
| Col148 | 33 | -0.01 | 21.18 | -0.23 | 3.32 | 0.86 | 2.65 | 0.00 | 0.07 | 0.32 | 0.00 |
| Col148 | 34 | -0.02 | 21.18 | -0.23 | 3.32 | 0.86 | 2.65 | 0.00 | 0.07 | 0.32 | 0.00 |
| Col148 | 35 | 0.02 | 8.41 | -0.23 | 3.32 | 0.86 | 2.65 | 0.00 | 0.07 | 0.33 | 0.00 |
| Col148 | 36 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col148 | 37 | 0.06 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col148 | 38 | 0.15 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col148 | 39 | 0.15 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col148 | 40 | 0.12 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col148 | 41 | 0.12 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col148 | 42 | 0.12 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col148 | 43 | 0.12 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col148 | 44 | 0.05 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col148 | 45 | 0.05 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col148 | 46 | 0.16 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col148 | 47 | 0.09 | 8.41 | -0.17 | 3.32 | 0.64 | 2.65 | 0.01 | 0.05 | 0.25 | 0.00 |
| Col148 | 48 | 0.12 | 8.41 | -0.17 | 3.32 | 0.64 | 2.65 | 0.01 | 0.05 | 0.26 | 0.00 |
| Col148 | 49 | 0.05 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col148 | 50 | 0.05 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col148 | 51 | 0.05 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |
| Col148 | 52 | 0.05 | 8.41 | 0.00 | 3.32 | 0.00 | 2.65 | 0.01 | 0.00 | 0.01 | 0.00 |

| | | | | | | | | | | | |
|------|---|------|------|------|------|------|------|------|------|------|------|
| Raf7 | 1 | 0.00 | 5.63 | 0.00 | 3.77 | 0.00 | 1.71 | 0.00 | 0.00 | 0.00 | 0.00 |
|------|---|------|------|------|------|------|------|------|------|------|------|

| | | | | |
|--------|----|-------|------|-------|
| Col130 | 9 | 0.00 | 0.00 | -0.20 |
| Col130 | 10 | -0.04 | 0.00 | 0.23 |
| Col130 | 11 | 0.00 | 0.00 | 0.23 |
| Col130 | 12 | -0.04 | 0.00 | 0.23 |
| Col130 | 13 | 0.00 | 0.00 | 0.23 |
| Col130 | 14 | -0.01 | 0.00 | 0.23 |
| Col130 | 15 | 0.03 | 0.00 | 0.23 |
| Col130 | 16 | 0.11 | 0.00 | 0.17 |
| Col130 | 17 | 0.14 | 0.00 | 0.17 |
| Col130 | 18 | 0.09 | 0.00 | 0.17 |
| Col130 | 19 | 0.12 | 0.00 | 0.17 |
| Col130 | 20 | 0.07 | 0.00 | 0.17 |
| Col130 | 21 | 0.10 | 0.00 | 0.17 |
| Col130 | 22 | 0.05 | 0.00 | 0.17 |
| Col130 | 23 | 0.08 | 0.00 | 0.17 |
| Col130 | 24 | 0.07 | 0.00 | 0.17 |
| Col130 | 25 | 0.10 | 0.00 | 0.17 |
| Col130 | 26 | 0.05 | 0.00 | 0.17 |
| Col130 | 27 | 0.08 | 0.00 | 0.17 |
| Col130 | 28 | -0.05 | 0.00 | -0.20 |
| Col130 | 29 | -0.01 | 0.00 | -0.20 |
| Col130 | 30 | -0.05 | 0.00 | 0.23 |
| Col130 | 31 | -0.01 | 0.00 | 0.23 |
| Col130 | 32 | -0.05 | 0.00 | 0.23 |
| Col130 | 33 | -0.01 | 0.00 | 0.23 |
| Col130 | 34 | -0.02 | 0.00 | 0.23 |
| Col130 | 35 | 0.02 | 0.00 | 0.23 |
| Col130 | 36 | 0.06 | 0.00 | 0.00 |
| Col130 | 37 | 0.06 | 0.00 | 0.00 |
| Col130 | 38 | 0.15 | 0.00 | 0.00 |
| Col130 | 39 | 0.15 | 0.00 | 0.00 |
| Col130 | 40 | 0.12 | 0.00 | 0.00 |
| Col130 | 41 | 0.12 | 0.00 | 0.00 |
| Col130 | 42 | 0.12 | 0.00 | 0.00 |
| Col130 | 43 | 0.12 | 0.00 | 0.00 |
| Col130 | 44 | 0.05 | 0.00 | 0.00 |
| Col130 | 45 | 0.05 | 0.00 | 0.00 |
| Col130 | 46 | 0.16 | 0.00 | 0.00 |
| Col130 | 47 | 0.09 | 0.00 | 0.17 |
| Col130 | 48 | 0.12 | 0.00 | 0.17 |
| Col130 | 49 | 0.05 | 0.00 | 0.00 |
| Col130 | 50 | 0.05 | 0.00 | 0.00 |
| Col130 | 51 | 0.05 | 0.00 | 0.00 |
| Col130 | 52 | 0.05 | 0.00 | 0.00 |
| Col131 | 1 | 0.34 | 0.00 | 0.00 |
| Col131 | 2 | 0.08 | 0.00 | 0.00 |
| Col131 | 3 | 0.26 | 0.00 | 0.00 |
| Col131 | 4 | 0.26 | 0.00 | 0.00 |
| Col131 | 5 | 0.28 | 0.00 | 0.00 |
| Col131 | 6 | 0.21 | 0.00 | 0.00 |
| Col131 | 7 | 0.21 | 0.00 | 0.00 |
| Col131 | 8 | -0.11 | 0.00 | -0.39 |
| Col131 | 9 | -0.03 | 0.00 | -0.39 |
| Col131 | 10 | -0.11 | 0.00 | 0.45 |
| Col131 | 11 | -0.03 | 0.00 | 0.45 |
| Col131 | 12 | -0.11 | 0.00 | 0.45 |
| Col131 | 13 | -0.03 | 0.00 | 0.45 |
| Col131 | 14 | -0.06 | 0.00 | 0.45 |
| Col131 | 15 | 0.02 | 0.00 | 0.45 |
| Col131 | 16 | 0.18 | 0.00 | 0.33 |
| Col131 | 17 | 0.24 | 0.00 | 0.33 |
| Col131 | 18 | 0.14 | 0.00 | 0.33 |
| Col131 | 19 | 0.20 | 0.00 | 0.33 |
| Col131 | 20 | 0.12 | 0.00 | 0.33 |
| Col131 | 21 | 0.17 | 0.00 | 0.33 |

| | | | | |
|--------|----|-------|------|-------|
| Col131 | 22 | 0.07 | 0.00 | 0.33 |
| Col131 | 23 | 0.13 | 0.00 | 0.33 |
| Col131 | 24 | 0.12 | 0.00 | 0.33 |
| Col131 | 25 | 0.17 | 0.00 | 0.33 |
| Col131 | 26 | 0.07 | 0.00 | 0.33 |
| Col131 | 27 | 0.13 | 0.00 | 0.33 |
| Col131 | 28 | -0.12 | 0.00 | -0.39 |
| Col131 | 29 | -0.05 | 0.00 | -0.39 |
| Col131 | 30 | -0.12 | 0.00 | 0.45 |
| Col131 | 31 | -0.05 | 0.00 | 0.45 |
| Col131 | 32 | -0.12 | 0.00 | 0.45 |
| Col131 | 33 | -0.05 | 0.00 | 0.45 |
| Col131 | 34 | -0.07 | 0.00 | 0.45 |
| Col131 | 35 | 0.01 | 0.00 | 0.45 |
| Col131 | 36 | 0.08 | 0.00 | 0.00 |
| Col131 | 37 | 0.08 | 0.00 | 0.00 |
| Col131 | 38 | 0.28 | 0.00 | 0.00 |
| Col131 | 39 | 0.28 | 0.00 | 0.00 |
| Col131 | 40 | 0.21 | 0.00 | 0.00 |
| Col131 | 41 | 0.21 | 0.00 | 0.00 |
| Col131 | 42 | 0.21 | 0.00 | 0.00 |
| Col131 | 43 | 0.21 | 0.00 | 0.00 |
| Col131 | 44 | 0.06 | 0.00 | 0.00 |
| Col131 | 45 | 0.06 | 0.00 | 0.00 |
| Col131 | 46 | 0.29 | 0.00 | 0.00 |
| Col131 | 47 | 0.14 | 0.00 | 0.33 |
| Col131 | 48 | 0.20 | 0.00 | 0.33 |
| Col131 | 49 | 0.08 | 0.00 | 0.00 |
| Col131 | 50 | 0.08 | 0.00 | 0.00 |
| Col131 | 51 | 0.06 | 0.00 | 0.00 |
| Col131 | 52 | 0.06 | 0.00 | 0.00 |
| Col132 | 1 | 0.34 | 0.00 | 0.00 |
| Col132 | 2 | 0.08 | 0.00 | 0.00 |
| Col132 | 3 | 0.26 | 0.00 | 0.00 |
| Col132 | 4 | 0.26 | 0.00 | 0.00 |
| Col132 | 5 | 0.28 | 0.00 | 0.00 |
| Col132 | 6 | 0.21 | 0.00 | 0.00 |
| Col132 | 7 | 0.21 | 0.00 | 0.00 |
| Col132 | 8 | -0.11 | 0.00 | -0.39 |
| Col132 | 9 | -0.03 | 0.00 | -0.39 |
| Col132 | 10 | -0.11 | 0.00 | 0.43 |
| Col132 | 11 | -0.03 | 0.00 | 0.43 |
| Col132 | 12 | -0.11 | 0.00 | 0.43 |
| Col132 | 13 | -0.03 | 0.00 | 0.43 |
| Col132 | 14 | -0.06 | 0.00 | 0.43 |
| Col132 | 15 | 0.02 | 0.00 | 0.43 |
| Col132 | 16 | 0.18 | 0.00 | 0.32 |
| Col132 | 17 | 0.24 | 0.00 | 0.32 |
| Col132 | 18 | 0.14 | 0.00 | 0.32 |
| Col132 | 19 | 0.20 | 0.00 | 0.32 |
| Col132 | 20 | 0.12 | 0.00 | 0.32 |
| Col132 | 21 | 0.17 | 0.00 | 0.32 |
| Col132 | 22 | 0.07 | 0.00 | 0.32 |
| Col132 | 23 | 0.13 | 0.00 | 0.32 |
| Col132 | 24 | 0.12 | 0.00 | 0.32 |
| Col132 | 25 | 0.17 | 0.00 | 0.32 |
| Col132 | 26 | 0.07 | 0.00 | 0.32 |
| Col132 | 27 | 0.13 | 0.00 | 0.32 |
| Col132 | 28 | -0.12 | 0.00 | -0.39 |
| Col132 | 29 | -0.05 | 0.00 | -0.39 |
| Col132 | 30 | -0.12 | 0.00 | 0.43 |
| Col132 | 31 | -0.05 | 0.00 | 0.43 |
| Col132 | 32 | -0.12 | 0.00 | 0.43 |
| Col132 | 33 | -0.05 | 0.00 | 0.43 |
| Col132 | 34 | -0.07 | 0.00 | 0.43 |

| | | | | |
|--------|----|-------|------|------|
| Col132 | 35 | 0.01 | 0.00 | 0.43 |
| Col132 | 36 | 0.08 | 0.00 | 0.00 |
| Col132 | 37 | 0.08 | 0.00 | 0.00 |
| Col132 | 38 | 0.28 | 0.00 | 0.00 |
| Col132 | 39 | 0.28 | 0.00 | 0.00 |
| Col132 | 40 | 0.21 | 0.00 | 0.00 |
| Col132 | 41 | 0.21 | 0.00 | 0.00 |
| Col132 | 42 | 0.21 | 0.00 | 0.00 |
| Col132 | 43 | 0.21 | 0.00 | 0.00 |
| Col132 | 44 | 0.06 | 0.00 | 0.00 |
| Col132 | 45 | 0.06 | 0.00 | 0.00 |
| Col132 | 46 | 0.29 | 0.00 | 0.00 |
| Col132 | 47 | 0.14 | 0.00 | 0.32 |
| Col132 | 48 | 0.20 | 0.00 | 0.32 |
| Col132 | 49 | 0.08 | 0.00 | 0.00 |
| Col132 | 50 | 0.08 | 0.00 | 0.00 |
| Col132 | 51 | 0.06 | 0.00 | 0.00 |
| Col132 | 52 | 0.06 | 0.00 | 0.00 |
| Col133 | 1 | 0.35 | 0.00 | 0.00 |
| Col133 | 2 | 0.08 | 0.00 | 0.00 |
| Col133 | 3 | 0.26 | 0.00 | 0.00 |
| Col133 | 4 | 0.26 | 0.00 | 0.00 |
| Col133 | 5 | 0.28 | 0.00 | 0.00 |
| Col133 | 6 | 0.22 | 0.00 | 0.00 |
| Col133 | 7 | 0.22 | 0.00 | 0.00 |
| Col133 | 8 | -0.12 | 0.00 | 0.00 |
| Col133 | 9 | -0.04 | 0.00 | 0.00 |
| Col133 | 10 | -0.12 | 0.00 | 0.00 |
| Col133 | 11 | -0.04 | 0.00 | 0.00 |
| Col133 | 12 | -0.12 | 0.00 | 0.00 |
| Col133 | 13 | -0.04 | 0.00 | 0.00 |
| Col133 | 14 | -0.06 | 0.00 | 0.00 |
| Col133 | 15 | 0.02 | 0.00 | 0.00 |
| Col133 | 16 | 0.19 | 0.00 | 0.00 |
| Col133 | 17 | 0.25 | 0.00 | 0.00 |
| Col133 | 18 | 0.14 | 0.00 | 0.00 |
| Col133 | 19 | 0.20 | 0.00 | 0.00 |
| Col133 | 20 | 0.12 | 0.00 | 0.00 |
| Col133 | 21 | 0.18 | 0.00 | 0.00 |
| Col133 | 22 | 0.08 | 0.00 | 0.00 |
| Col133 | 23 | 0.14 | 0.00 | 0.00 |
| Col133 | 24 | 0.12 | 0.00 | 0.00 |
| Col133 | 25 | 0.18 | 0.00 | 0.00 |
| Col133 | 26 | 0.08 | 0.00 | 0.00 |
| Col133 | 27 | 0.14 | 0.00 | 0.00 |
| Col133 | 28 | -0.13 | 0.00 | 0.00 |
| Col133 | 29 | -0.05 | 0.00 | 0.00 |
| Col133 | 30 | -0.13 | 0.00 | 0.00 |
| Col133 | 31 | -0.05 | 0.00 | 0.00 |
| Col133 | 32 | -0.13 | 0.00 | 0.00 |
| Col133 | 33 | -0.05 | 0.00 | 0.00 |
| Col133 | 34 | -0.07 | 0.00 | 0.00 |
| Col133 | 35 | 0.01 | 0.00 | 0.00 |
| Col133 | 36 | 0.08 | 0.00 | 0.00 |
| Col133 | 37 | 0.08 | 0.00 | 0.00 |
| Col133 | 38 | 0.29 | 0.00 | 0.00 |
| Col133 | 39 | 0.29 | 0.00 | 0.00 |
| Col133 | 40 | 0.22 | 0.00 | 0.00 |
| Col133 | 41 | 0.22 | 0.00 | 0.00 |
| Col133 | 42 | 0.22 | 0.00 | 0.00 |
| Col133 | 43 | 0.22 | 0.00 | 0.00 |
| Col133 | 44 | 0.06 | 0.00 | 0.00 |
| Col133 | 45 | 0.06 | 0.00 | 0.00 |
| Col133 | 46 | 0.30 | 0.00 | 0.00 |
| Col133 | 47 | 0.14 | 0.00 | 0.00 |

| | | | | |
|--------|----|-------|------|-------|
| Col133 | 48 | 0.20 | 0.00 | 0.00 |
| Col133 | 49 | 0.08 | 0.00 | 0.00 |
| Col133 | 50 | 0.08 | 0.00 | 0.00 |
| Col133 | 51 | 0.06 | 0.00 | 0.00 |
| Col133 | 52 | 0.06 | 0.00 | 0.00 |
| Col134 | 1 | 0.36 | 0.00 | 0.00 |
| Col134 | 2 | 0.08 | 0.00 | 0.00 |
| Col134 | 3 | 0.27 | 0.00 | 0.00 |
| Col134 | 4 | 0.27 | 0.00 | 0.00 |
| Col134 | 5 | 0.29 | 0.00 | 0.00 |
| Col134 | 6 | 0.22 | 0.00 | 0.00 |
| Col134 | 7 | 0.22 | 0.00 | 0.00 |
| Col134 | 8 | -0.12 | 0.00 | -0.42 |
| Col134 | 9 | -0.04 | 0.00 | -0.42 |
| Col134 | 10 | -0.12 | 0.00 | 0.46 |
| Col134 | 11 | -0.04 | 0.00 | 0.46 |
| Col134 | 12 | -0.12 | 0.00 | 0.46 |
| Col134 | 13 | -0.04 | 0.00 | 0.46 |
| Col134 | 14 | -0.06 | 0.00 | 0.46 |
| Col134 | 15 | 0.02 | 0.00 | 0.46 |
| Col134 | 16 | 0.19 | 0.00 | 0.35 |
| Col134 | 17 | 0.25 | 0.00 | 0.35 |
| Col134 | 18 | 0.15 | 0.00 | 0.35 |
| Col134 | 19 | 0.21 | 0.00 | 0.35 |
| Col134 | 20 | 0.12 | 0.00 | 0.35 |
| Col134 | 21 | 0.18 | 0.00 | 0.35 |
| Col134 | 22 | 0.08 | 0.00 | 0.35 |
| Col134 | 23 | 0.14 | 0.00 | 0.35 |
| Col134 | 24 | 0.12 | 0.00 | 0.35 |
| Col134 | 25 | 0.18 | 0.00 | 0.35 |
| Col134 | 26 | 0.08 | 0.00 | 0.35 |
| Col134 | 27 | 0.14 | 0.00 | 0.35 |
| Col134 | 28 | -0.13 | 0.00 | -0.42 |
| Col134 | 29 | -0.05 | 0.00 | -0.42 |
| Col134 | 30 | -0.13 | 0.00 | 0.46 |
| Col134 | 31 | -0.05 | 0.00 | 0.46 |
| Col134 | 32 | -0.13 | 0.00 | 0.46 |
| Col134 | 33 | -0.05 | 0.00 | 0.46 |
| Col134 | 34 | -0.07 | 0.00 | 0.46 |
| Col134 | 35 | 0.01 | 0.00 | 0.46 |
| Col134 | 36 | 0.08 | 0.00 | 0.00 |
| Col134 | 37 | 0.08 | 0.00 | 0.00 |
| Col134 | 38 | 0.29 | 0.00 | 0.00 |
| Col134 | 39 | 0.29 | 0.00 | 0.00 |
| Col134 | 40 | 0.22 | 0.00 | 0.00 |
| Col134 | 41 | 0.22 | 0.00 | 0.00 |
| Col134 | 42 | 0.22 | 0.00 | 0.00 |
| Col134 | 43 | 0.22 | 0.00 | 0.00 |
| Col134 | 44 | 0.06 | 0.00 | 0.00 |
| Col134 | 45 | 0.06 | 0.00 | 0.00 |
| Col134 | 46 | 0.31 | 0.00 | 0.00 |
| Col134 | 47 | 0.15 | 0.00 | 0.35 |
| Col134 | 48 | 0.21 | 0.00 | 0.35 |
| Col134 | 49 | 0.08 | 0.00 | 0.00 |
| Col134 | 50 | 0.08 | 0.00 | 0.00 |
| Col134 | 51 | 0.06 | 0.00 | 0.00 |
| Col134 | 52 | 0.06 | 0.00 | 0.00 |
| Col135 | 1 | 0.36 | 0.00 | 0.00 |
| Col135 | 2 | 0.08 | 0.00 | 0.00 |
| Col135 | 3 | 0.27 | 0.00 | 0.00 |
| Col135 | 4 | 0.27 | 0.00 | 0.00 |
| Col135 | 5 | 0.29 | 0.00 | 0.00 |
| Col135 | 6 | 0.22 | 0.00 | 0.00 |
| Col135 | 7 | 0.22 | 0.00 | 0.00 |
| Col135 | 8 | -0.12 | 0.00 | -0.42 |

| | | | | |
|--------|----|-------|------|-------|
| Col135 | 9 | -0.04 | 0.00 | -0.42 |
| Col135 | 10 | -0.12 | 0.00 | 0.46 |
| Col135 | 11 | -0.04 | 0.00 | 0.46 |
| Col135 | 12 | -0.12 | 0.00 | 0.46 |
| Col135 | 13 | -0.04 | 0.00 | 0.46 |
| Col135 | 14 | -0.06 | 0.00 | 0.46 |
| Col135 | 15 | 0.02 | 0.00 | 0.46 |
| Col135 | 16 | 0.19 | 0.00 | 0.35 |
| Col135 | 17 | 0.25 | 0.00 | 0.35 |
| Col135 | 18 | 0.15 | 0.00 | 0.35 |
| Col135 | 19 | 0.21 | 0.00 | 0.35 |
| Col135 | 20 | 0.12 | 0.00 | 0.35 |
| Col135 | 21 | 0.18 | 0.00 | 0.35 |
| Col135 | 22 | 0.08 | 0.00 | 0.35 |
| Col135 | 23 | 0.14 | 0.00 | 0.35 |
| Col135 | 24 | 0.12 | 0.00 | 0.35 |
| Col135 | 25 | 0.18 | 0.00 | 0.35 |
| Col135 | 26 | 0.08 | 0.00 | 0.35 |
| Col135 | 27 | 0.14 | 0.00 | 0.35 |
| Col135 | 28 | -0.13 | 0.00 | -0.42 |
| Col135 | 29 | -0.05 | 0.00 | -0.42 |
| Col135 | 30 | -0.13 | 0.00 | 0.46 |
| Col135 | 31 | -0.05 | 0.00 | 0.46 |
| Col135 | 32 | -0.13 | 0.00 | 0.46 |
| Col135 | 33 | -0.05 | 0.00 | 0.46 |
| Col135 | 34 | -0.07 | 0.00 | 0.46 |
| Col135 | 35 | 0.01 | 0.00 | 0.46 |
| Col135 | 36 | 0.08 | 0.00 | 0.00 |
| Col135 | 37 | 0.08 | 0.00 | 0.00 |
| Col135 | 38 | 0.29 | 0.00 | 0.00 |
| Col135 | 39 | 0.29 | 0.00 | 0.00 |
| Col135 | 40 | 0.22 | 0.00 | 0.00 |
| Col135 | 41 | 0.22 | 0.00 | 0.00 |
| Col135 | 42 | 0.22 | 0.00 | 0.00 |
| Col135 | 43 | 0.22 | 0.00 | 0.00 |
| Col135 | 44 | 0.06 | 0.00 | 0.00 |
| Col135 | 45 | 0.06 | 0.00 | 0.00 |
| Col135 | 46 | 0.31 | 0.00 | 0.00 |
| Col135 | 47 | 0.15 | 0.00 | 0.35 |
| Col135 | 48 | 0.21 | 0.00 | 0.35 |
| Col135 | 49 | 0.08 | 0.00 | 0.00 |
| Col135 | 50 | 0.08 | 0.00 | 0.00 |
| Col135 | 51 | 0.06 | 0.00 | 0.00 |
| Col135 | 52 | 0.06 | 0.00 | 0.00 |
| Col136 | 1 | 0.36 | 0.00 | 0.00 |
| Col136 | 2 | 0.08 | 0.00 | 0.00 |
| Col136 | 3 | 0.27 | 0.00 | 0.00 |
| Col136 | 4 | 0.27 | 0.00 | 0.00 |
| Col136 | 5 | 0.29 | 0.00 | 0.00 |
| Col136 | 6 | 0.22 | 0.00 | 0.00 |
| Col136 | 7 | 0.22 | 0.00 | 0.00 |
| Col136 | 8 | -0.12 | 0.00 | 0.00 |
| Col136 | 9 | -0.04 | 0.00 | 0.00 |
| Col136 | 10 | -0.12 | 0.00 | 0.00 |
| Col136 | 11 | -0.04 | 0.00 | 0.00 |
| Col136 | 12 | -0.12 | 0.00 | 0.00 |
| Col136 | 13 | -0.04 | 0.00 | 0.00 |
| Col136 | 14 | -0.06 | 0.00 | 0.00 |
| Col136 | 15 | 0.02 | 0.00 | 0.00 |
| Col136 | 16 | 0.19 | 0.00 | 0.00 |
| Col136 | 17 | 0.25 | 0.00 | 0.00 |
| Col136 | 18 | 0.15 | 0.00 | 0.00 |
| Col136 | 19 | 0.21 | 0.00 | 0.00 |
| Col136 | 20 | 0.12 | 0.00 | 0.00 |
| Col136 | 21 | 0.18 | 0.00 | 0.00 |

| | | | | |
|--------|----|-------|------|-------|
| Col136 | 22 | 0.08 | 0.00 | 0.00 |
| Col136 | 23 | 0.14 | 0.00 | 0.00 |
| Col136 | 24 | 0.12 | 0.00 | 0.00 |
| Col136 | 25 | 0.18 | 0.00 | 0.00 |
| Col136 | 26 | 0.08 | 0.00 | 0.00 |
| Col136 | 27 | 0.14 | 0.00 | 0.00 |
| Col136 | 28 | -0.13 | 0.00 | 0.00 |
| Col136 | 29 | -0.05 | 0.00 | 0.00 |
| Col136 | 30 | -0.13 | 0.00 | 0.00 |
| Col136 | 31 | -0.05 | 0.00 | 0.00 |
| Col136 | 32 | -0.13 | 0.00 | 0.00 |
| Col136 | 33 | -0.05 | 0.00 | 0.00 |
| Col136 | 34 | -0.07 | 0.00 | 0.00 |
| Col136 | 35 | 0.01 | 0.00 | 0.00 |
| Col136 | 36 | 0.08 | 0.00 | 0.00 |
| Col136 | 37 | 0.08 | 0.00 | 0.00 |
| Col136 | 38 | 0.29 | 0.00 | 0.00 |
| Col136 | 39 | 0.29 | 0.00 | 0.00 |
| Col136 | 40 | 0.22 | 0.00 | 0.00 |
| Col136 | 41 | 0.22 | 0.00 | 0.00 |
| Col136 | 42 | 0.22 | 0.00 | 0.00 |
| Col136 | 43 | 0.22 | 0.00 | 0.00 |
| Col136 | 44 | 0.06 | 0.00 | 0.00 |
| Col136 | 45 | 0.06 | 0.00 | 0.00 |
| Col136 | 46 | 0.31 | 0.00 | 0.00 |
| Col136 | 47 | 0.15 | 0.00 | 0.00 |
| Col136 | 48 | 0.21 | 0.00 | 0.00 |
| Col136 | 49 | 0.08 | 0.00 | 0.00 |
| Col136 | 50 | 0.08 | 0.00 | 0.00 |
| Col136 | 51 | 0.06 | 0.00 | 0.00 |
| Col136 | 52 | 0.06 | 0.00 | 0.00 |
| Col137 | 1 | 0.36 | 0.00 | 0.00 |
| Col137 | 2 | 0.08 | 0.00 | 0.00 |
| Col137 | 3 | 0.27 | 0.00 | 0.00 |
| Col137 | 4 | 0.27 | 0.00 | 0.00 |
| Col137 | 5 | 0.29 | 0.00 | 0.00 |
| Col137 | 6 | 0.22 | 0.00 | 0.00 |
| Col137 | 7 | 0.22 | 0.00 | 0.00 |
| Col137 | 8 | -0.12 | 0.00 | -0.42 |
| Col137 | 9 | -0.04 | 0.00 | -0.42 |
| Col137 | 10 | -0.12 | 0.00 | 0.46 |
| Col137 | 11 | -0.04 | 0.00 | 0.46 |
| Col137 | 12 | -0.12 | 0.00 | 0.46 |
| Col137 | 13 | -0.04 | 0.00 | 0.46 |
| Col137 | 14 | -0.06 | 0.00 | 0.46 |
| Col137 | 15 | 0.02 | 0.00 | 0.46 |
| Col137 | 16 | 0.19 | 0.00 | 0.35 |
| Col137 | 17 | 0.25 | 0.00 | 0.35 |
| Col137 | 18 | 0.15 | 0.00 | 0.35 |
| Col137 | 19 | 0.21 | 0.00 | 0.35 |
| Col137 | 20 | 0.12 | 0.00 | 0.35 |
| Col137 | 21 | 0.18 | 0.00 | 0.35 |
| Col137 | 22 | 0.08 | 0.00 | 0.35 |
| Col137 | 23 | 0.14 | 0.00 | 0.35 |
| Col137 | 24 | 0.12 | 0.00 | 0.35 |
| Col137 | 25 | 0.18 | 0.00 | 0.35 |
| Col137 | 26 | 0.08 | 0.00 | 0.35 |
| Col137 | 27 | 0.14 | 0.00 | 0.35 |
| Col137 | 28 | -0.13 | 0.00 | -0.42 |
| Col137 | 29 | -0.05 | 0.00 | -0.42 |
| Col137 | 30 | -0.13 | 0.00 | 0.46 |
| Col137 | 31 | -0.05 | 0.00 | 0.46 |
| Col137 | 32 | -0.13 | 0.00 | 0.46 |
| Col137 | 33 | -0.05 | 0.00 | 0.46 |
| Col137 | 34 | -0.07 | 0.00 | 0.46 |

| | | | | |
|--------|----|-------|------|-------|
| Col137 | 35 | 0.01 | 0.00 | 0.46 |
| Col137 | 36 | 0.08 | 0.00 | 0.00 |
| Col137 | 37 | 0.08 | 0.00 | 0.00 |
| Col137 | 38 | 0.29 | 0.00 | 0.00 |
| Col137 | 39 | 0.29 | 0.00 | 0.00 |
| Col137 | 40 | 0.22 | 0.00 | 0.00 |
| Col137 | 41 | 0.22 | 0.00 | 0.00 |
| Col137 | 42 | 0.22 | 0.00 | 0.00 |
| Col137 | 43 | 0.22 | 0.00 | 0.00 |
| Col137 | 44 | 0.06 | 0.00 | 0.00 |
| Col137 | 45 | 0.06 | 0.00 | 0.00 |
| Col137 | 46 | 0.31 | 0.00 | 0.00 |
| Col137 | 47 | 0.15 | 0.00 | 0.35 |
| Col137 | 48 | 0.21 | 0.00 | 0.35 |
| Col137 | 49 | 0.08 | 0.00 | 0.00 |
| Col137 | 50 | 0.08 | 0.00 | 0.00 |
| Col137 | 51 | 0.06 | 0.00 | 0.00 |
| Col137 | 52 | 0.06 | 0.00 | 0.00 |
| Col138 | 1 | 0.36 | 0.00 | 0.00 |
| Col138 | 2 | 0.08 | 0.00 | 0.00 |
| Col138 | 3 | 0.27 | 0.00 | 0.00 |
| Col138 | 4 | 0.27 | 0.00 | 0.00 |
| Col138 | 5 | 0.29 | 0.00 | 0.00 |
| Col138 | 6 | 0.22 | 0.00 | 0.00 |
| Col138 | 7 | 0.22 | 0.00 | 0.00 |
| Col138 | 8 | -0.12 | 0.00 | -0.42 |
| Col138 | 9 | -0.04 | 0.00 | -0.42 |
| Col138 | 10 | -0.12 | 0.00 | 0.46 |
| Col138 | 11 | -0.04 | 0.00 | 0.46 |
| Col138 | 12 | -0.12 | 0.00 | 0.46 |
| Col138 | 13 | -0.04 | 0.00 | 0.46 |
| Col138 | 14 | -0.06 | 0.00 | 0.46 |
| Col138 | 15 | 0.02 | 0.00 | 0.46 |
| Col138 | 16 | 0.19 | 0.00 | 0.35 |
| Col138 | 17 | 0.25 | 0.00 | 0.35 |
| Col138 | 18 | 0.15 | 0.00 | 0.35 |
| Col138 | 19 | 0.21 | 0.00 | 0.35 |
| Col138 | 20 | 0.12 | 0.00 | 0.35 |
| Col138 | 21 | 0.18 | 0.00 | 0.35 |
| Col138 | 22 | 0.08 | 0.00 | 0.35 |
| Col138 | 23 | 0.14 | 0.00 | 0.35 |
| Col138 | 24 | 0.12 | 0.00 | 0.35 |
| Col138 | 25 | 0.18 | 0.00 | 0.35 |
| Col138 | 26 | 0.08 | 0.00 | 0.35 |
| Col138 | 27 | 0.14 | 0.00 | 0.35 |
| Col138 | 28 | -0.13 | 0.00 | -0.42 |
| Col138 | 29 | -0.05 | 0.00 | -0.42 |
| Col138 | 30 | -0.13 | 0.00 | 0.46 |
| Col138 | 31 | -0.05 | 0.00 | 0.46 |
| Col138 | 32 | -0.13 | 0.00 | 0.46 |
| Col138 | 33 | -0.05 | 0.00 | 0.46 |
| Col138 | 34 | -0.07 | 0.00 | 0.46 |
| Col138 | 35 | 0.01 | 0.00 | 0.46 |
| Col138 | 36 | 0.08 | 0.00 | 0.00 |
| Col138 | 37 | 0.08 | 0.00 | 0.00 |
| Col138 | 38 | 0.29 | 0.00 | 0.00 |
| Col138 | 39 | 0.29 | 0.00 | 0.00 |
| Col138 | 40 | 0.22 | 0.00 | 0.00 |
| Col138 | 41 | 0.22 | 0.00 | 0.00 |
| Col138 | 42 | 0.22 | 0.00 | 0.00 |
| Col138 | 43 | 0.22 | 0.00 | 0.00 |
| Col138 | 44 | 0.06 | 0.00 | 0.00 |
| Col138 | 45 | 0.06 | 0.00 | 0.00 |
| Col138 | 46 | 0.31 | 0.00 | 0.00 |
| Col138 | 47 | 0.15 | 0.00 | 0.35 |

| | | | | |
|--------|----|-------|------|-------|
| Col138 | 48 | 0.21 | 0.00 | 0.35 |
| Col138 | 49 | 0.08 | 0.00 | 0.00 |
| Col138 | 50 | 0.08 | 0.00 | 0.00 |
| Col138 | 51 | 0.06 | 0.00 | 0.00 |
| Col138 | 52 | 0.06 | 0.00 | 0.00 |
| Col139 | 1 | 0.36 | 0.00 | 0.00 |
| Col139 | 2 | 0.08 | 0.00 | 0.00 |
| Col139 | 3 | 0.27 | 0.00 | 0.00 |
| Col139 | 4 | 0.27 | 0.00 | 0.00 |
| Col139 | 5 | 0.29 | 0.00 | 0.00 |
| Col139 | 6 | 0.22 | 0.00 | 0.00 |
| Col139 | 7 | 0.22 | 0.00 | 0.00 |
| Col139 | 8 | -0.12 | 0.00 | 0.00 |
| Col139 | 9 | -0.04 | 0.00 | 0.00 |
| Col139 | 10 | -0.12 | 0.00 | 0.00 |
| Col139 | 11 | -0.04 | 0.00 | 0.00 |
| Col139 | 12 | -0.12 | 0.00 | 0.00 |
| Col139 | 13 | -0.04 | 0.00 | 0.00 |
| Col139 | 14 | -0.06 | 0.00 | 0.00 |
| Col139 | 15 | 0.02 | 0.00 | 0.00 |
| Col139 | 16 | 0.19 | 0.00 | 0.00 |
| Col139 | 17 | 0.25 | 0.00 | 0.00 |
| Col139 | 18 | 0.15 | 0.00 | 0.00 |
| Col139 | 19 | 0.21 | 0.00 | 0.00 |
| Col139 | 20 | 0.12 | 0.00 | 0.00 |
| Col139 | 21 | 0.18 | 0.00 | 0.00 |
| Col139 | 22 | 0.08 | 0.00 | 0.00 |
| Col139 | 23 | 0.14 | 0.00 | 0.00 |
| Col139 | 24 | 0.12 | 0.00 | 0.00 |
| Col139 | 25 | 0.18 | 0.00 | 0.00 |
| Col139 | 26 | 0.08 | 0.00 | 0.00 |
| Col139 | 27 | 0.14 | 0.00 | 0.00 |
| Col139 | 28 | -0.13 | 0.00 | 0.00 |
| Col139 | 29 | -0.05 | 0.00 | 0.00 |
| Col139 | 30 | -0.13 | 0.00 | 0.00 |
| Col139 | 31 | -0.05 | 0.00 | 0.00 |
| Col139 | 32 | -0.13 | 0.00 | 0.00 |
| Col139 | 33 | -0.05 | 0.00 | 0.00 |
| Col139 | 34 | -0.07 | 0.00 | 0.00 |
| Col139 | 35 | 0.01 | 0.00 | 0.00 |
| Col139 | 36 | 0.08 | 0.00 | 0.00 |
| Col139 | 37 | 0.08 | 0.00 | 0.00 |
| Col139 | 38 | 0.29 | 0.00 | 0.00 |
| Col139 | 39 | 0.29 | 0.00 | 0.00 |
| Col139 | 40 | 0.22 | 0.00 | 0.00 |
| Col139 | 41 | 0.22 | 0.00 | 0.00 |
| Col139 | 42 | 0.22 | 0.00 | 0.00 |
| Col139 | 43 | 0.22 | 0.00 | 0.00 |
| Col139 | 44 | 0.06 | 0.00 | 0.00 |
| Col139 | 45 | 0.06 | 0.00 | 0.00 |
| Col139 | 46 | 0.31 | 0.00 | 0.00 |
| Col139 | 47 | 0.15 | 0.00 | 0.00 |
| Col139 | 48 | 0.21 | 0.00 | 0.00 |
| Col139 | 49 | 0.08 | 0.00 | 0.00 |
| Col139 | 50 | 0.08 | 0.00 | 0.00 |
| Col139 | 51 | 0.06 | 0.00 | 0.00 |
| Col139 | 52 | 0.06 | 0.00 | 0.00 |
| Col140 | 1 | 0.36 | 0.00 | 0.00 |
| Col140 | 2 | 0.08 | 0.00 | 0.00 |
| Col140 | 3 | 0.27 | 0.00 | 0.00 |
| Col140 | 4 | 0.27 | 0.00 | 0.00 |
| Col140 | 5 | 0.29 | 0.00 | 0.00 |
| Col140 | 6 | 0.22 | 0.00 | 0.00 |
| Col140 | 7 | 0.22 | 0.00 | 0.00 |
| Col140 | 8 | -0.12 | 0.00 | -0.42 |

| | | | | |
|--------|----|-------|------|-------|
| Col140 | 9 | -0.04 | 0.00 | -0.42 |
| Col140 | 10 | -0.12 | 0.00 | 0.46 |
| Col140 | 11 | -0.04 | 0.00 | 0.46 |
| Col140 | 12 | -0.12 | 0.00 | 0.46 |
| Col140 | 13 | -0.04 | 0.00 | 0.46 |
| Col140 | 14 | -0.06 | 0.00 | 0.46 |
| Col140 | 15 | 0.02 | 0.00 | 0.46 |
| Col140 | 16 | 0.19 | 0.00 | 0.35 |
| Col140 | 17 | 0.25 | 0.00 | 0.35 |
| Col140 | 18 | 0.15 | 0.00 | 0.35 |
| Col140 | 19 | 0.21 | 0.00 | 0.35 |
| Col140 | 20 | 0.12 | 0.00 | 0.35 |
| Col140 | 21 | 0.18 | 0.00 | 0.35 |
| Col140 | 22 | 0.08 | 0.00 | 0.35 |
| Col140 | 23 | 0.14 | 0.00 | 0.35 |
| Col140 | 24 | 0.12 | 0.00 | 0.35 |
| Col140 | 25 | 0.18 | 0.00 | 0.35 |
| Col140 | 26 | 0.08 | 0.00 | 0.35 |
| Col140 | 27 | 0.14 | 0.00 | 0.35 |
| Col140 | 28 | -0.13 | 0.00 | -0.42 |
| Col140 | 29 | -0.05 | 0.00 | -0.42 |
| Col140 | 30 | -0.13 | 0.00 | 0.46 |
| Col140 | 31 | -0.05 | 0.00 | 0.46 |
| Col140 | 32 | -0.13 | 0.00 | 0.46 |
| Col140 | 33 | -0.05 | 0.00 | 0.46 |
| Col140 | 34 | -0.07 | 0.00 | 0.46 |
| Col140 | 35 | 0.01 | 0.00 | 0.46 |
| Col140 | 36 | 0.08 | 0.00 | 0.00 |
| Col140 | 37 | 0.08 | 0.00 | 0.00 |
| Col140 | 38 | 0.29 | 0.00 | 0.00 |
| Col140 | 39 | 0.29 | 0.00 | 0.00 |
| Col140 | 40 | 0.22 | 0.00 | 0.00 |
| Col140 | 41 | 0.22 | 0.00 | 0.00 |
| Col140 | 42 | 0.22 | 0.00 | 0.00 |
| Col140 | 43 | 0.22 | 0.00 | 0.00 |
| Col140 | 44 | 0.06 | 0.00 | 0.00 |
| Col140 | 45 | 0.06 | 0.00 | 0.00 |
| Col140 | 46 | 0.31 | 0.00 | 0.00 |
| Col140 | 47 | 0.15 | 0.00 | 0.35 |
| Col140 | 48 | 0.21 | 0.00 | 0.35 |
| Col140 | 49 | 0.08 | 0.00 | 0.00 |
| Col140 | 50 | 0.08 | 0.00 | 0.00 |
| Col140 | 51 | 0.06 | 0.00 | 0.00 |
| Col140 | 52 | 0.06 | 0.00 | 0.00 |
| Col141 | 1 | 0.36 | 0.00 | 0.00 |
| Col141 | 2 | 0.08 | 0.00 | 0.00 |
| Col141 | 3 | 0.27 | 0.00 | 0.00 |
| Col141 | 4 | 0.27 | 0.00 | 0.00 |
| Col141 | 5 | 0.29 | 0.00 | 0.00 |
| Col141 | 6 | 0.22 | 0.00 | 0.00 |
| Col141 | 7 | 0.22 | 0.00 | 0.00 |
| Col141 | 8 | -0.12 | 0.00 | -0.42 |
| Col141 | 9 | -0.04 | 0.00 | -0.42 |
| Col141 | 10 | -0.12 | 0.00 | 0.46 |
| Col141 | 11 | -0.04 | 0.00 | 0.46 |
| Col141 | 12 | -0.12 | 0.00 | 0.46 |
| Col141 | 13 | -0.04 | 0.00 | 0.46 |
| Col141 | 14 | -0.06 | 0.00 | 0.46 |
| Col141 | 15 | 0.02 | 0.00 | 0.46 |
| Col141 | 16 | 0.19 | 0.00 | 0.35 |
| Col141 | 17 | 0.25 | 0.00 | 0.35 |
| Col141 | 18 | 0.15 | 0.00 | 0.35 |
| Col141 | 19 | 0.21 | 0.00 | 0.35 |
| Col141 | 20 | 0.12 | 0.00 | 0.35 |
| Col141 | 21 | 0.18 | 0.00 | 0.35 |

| | | | | |
|-------|----|-------|------|-------|
| Col41 | 22 | 0.08 | 0.00 | 0.35 |
| Col41 | 23 | 0.14 | 0.00 | 0.35 |
| Col41 | 24 | 0.12 | 0.00 | 0.35 |
| Col41 | 25 | 0.18 | 0.00 | 0.35 |
| Col41 | 26 | 0.08 | 0.00 | 0.35 |
| Col41 | 27 | 0.14 | 0.00 | 0.35 |
| Col41 | 28 | -0.13 | 0.00 | -0.42 |
| Col41 | 29 | -0.05 | 0.00 | -0.42 |
| Col41 | 30 | -0.13 | 0.00 | 0.46 |
| Col41 | 31 | -0.05 | 0.00 | 0.46 |
| Col41 | 32 | -0.13 | 0.00 | 0.46 |
| Col41 | 33 | -0.05 | 0.00 | 0.46 |
| Col41 | 34 | -0.07 | 0.00 | 0.46 |
| Col41 | 35 | 0.01 | 0.00 | 0.46 |
| Col41 | 36 | 0.08 | 0.00 | 0.00 |
| Col41 | 37 | 0.08 | 0.00 | 0.00 |
| Col41 | 38 | 0.29 | 0.00 | 0.00 |
| Col41 | 39 | 0.29 | 0.00 | 0.00 |
| Col41 | 40 | 0.22 | 0.00 | 0.00 |
| Col41 | 41 | 0.22 | 0.00 | 0.00 |
| Col41 | 42 | 0.22 | 0.00 | 0.00 |
| Col41 | 43 | 0.22 | 0.00 | 0.00 |
| Col41 | 44 | 0.06 | 0.00 | 0.00 |
| Col41 | 45 | 0.06 | 0.00 | 0.00 |
| Col41 | 46 | 0.31 | 0.00 | 0.00 |
| Col41 | 47 | 0.15 | 0.00 | 0.35 |
| Col41 | 48 | 0.21 | 0.00 | 0.35 |
| Col41 | 49 | 0.08 | 0.00 | 0.00 |
| Col41 | 50 | 0.08 | 0.00 | 0.00 |
| Col41 | 51 | 0.06 | 0.00 | 0.00 |
| Col41 | 52 | 0.06 | 0.00 | 0.00 |
| Col42 | 1 | 0.36 | 0.00 | 0.00 |
| Col42 | 2 | 0.08 | 0.00 | 0.00 |
| Col42 | 3 | 0.27 | 0.00 | 0.00 |
| Col42 | 4 | 0.27 | 0.00 | 0.00 |
| Col42 | 5 | 0.29 | 0.00 | 0.00 |
| Col42 | 6 | 0.22 | 0.00 | 0.00 |
| Col42 | 7 | 0.22 | 0.00 | 0.00 |
| Col42 | 8 | -0.12 | 0.00 | 0.00 |
| Col42 | 9 | -0.04 | 0.00 | 0.00 |
| Col42 | 10 | -0.12 | 0.00 | 0.00 |
| Col42 | 11 | -0.04 | 0.00 | 0.00 |
| Col42 | 12 | -0.12 | 0.00 | 0.00 |
| Col42 | 13 | -0.04 | 0.00 | 0.00 |
| Col42 | 14 | -0.06 | 0.00 | 0.00 |
| Col42 | 15 | 0.02 | 0.00 | 0.00 |
| Col42 | 16 | 0.19 | 0.00 | 0.00 |
| Col42 | 17 | 0.25 | 0.00 | 0.00 |
| Col42 | 18 | 0.15 | 0.00 | 0.00 |
| Col42 | 19 | 0.21 | 0.00 | 0.00 |
| Col42 | 20 | 0.12 | 0.00 | 0.00 |
| Col42 | 21 | 0.18 | 0.00 | 0.00 |
| Col42 | 22 | 0.08 | 0.00 | 0.00 |
| Col42 | 23 | 0.14 | 0.00 | 0.00 |
| Col42 | 24 | 0.12 | 0.00 | 0.00 |
| Col42 | 25 | 0.18 | 0.00 | 0.00 |
| Col42 | 26 | 0.08 | 0.00 | 0.00 |
| Col42 | 27 | 0.14 | 0.00 | 0.00 |
| Col42 | 28 | -0.13 | 0.00 | 0.00 |
| Col42 | 29 | -0.05 | 0.00 | 0.00 |
| Col42 | 30 | -0.13 | 0.00 | 0.00 |
| Col42 | 31 | -0.05 | 0.00 | 0.00 |
| Col42 | 32 | -0.13 | 0.00 | 0.00 |
| Col42 | 33 | -0.05 | 0.00 | 0.00 |
| Col42 | 34 | -0.07 | 0.00 | 0.00 |

| | | | | |
|-------|----|-------|------|-------|
| Col42 | 35 | 0.01 | 0.00 | 0.00 |
| Col42 | 36 | 0.08 | 0.00 | 0.00 |
| Col42 | 37 | 0.08 | 0.00 | 0.00 |
| Col42 | 38 | 0.29 | 0.00 | 0.00 |
| Col42 | 39 | 0.29 | 0.00 | 0.00 |
| Col42 | 40 | 0.22 | 0.00 | 0.00 |
| Col42 | 41 | 0.22 | 0.00 | 0.00 |
| Col42 | 42 | 0.22 | 0.00 | 0.00 |
| Col42 | 43 | 0.22 | 0.00 | 0.00 |
| Col42 | 44 | 0.06 | 0.00 | 0.00 |
| Col42 | 45 | 0.06 | 0.00 | 0.00 |
| Col42 | 46 | 0.31 | 0.00 | 0.00 |
| Col42 | 47 | 0.15 | 0.00 | 0.00 |
| Col42 | 48 | 0.21 | 0.00 | 0.00 |
| Col42 | 49 | 0.08 | 0.00 | 0.00 |
| Col42 | 50 | 0.08 | 0.00 | 0.00 |
| Col42 | 51 | 0.06 | 0.00 | 0.00 |
| Col42 | 52 | 0.06 | 0.00 | 0.00 |
| Col43 | 1 | 0.36 | 0.00 | 0.00 |
| Col43 | 2 | 0.08 | 0.00 | 0.00 |
| Col43 | 3 | 0.27 | 0.00 | 0.00 |
| Col43 | 4 | 0.27 | 0.00 | 0.00 |
| Col43 | 5 | 0.29 | 0.00 | 0.00 |
| Col43 | 6 | 0.22 | 0.00 | 0.00 |
| Col43 | 7 | 0.22 | 0.00 | 0.00 |
| Col43 | 8 | -0.12 | 0.00 | -0.42 |
| Col43 | 9 | -0.04 | 0.00 | -0.42 |
| Col43 | 10 | -0.12 | 0.00 | 0.46 |
| Col43 | 11 | -0.04 | 0.00 | 0.46 |
| Col43 | 12 | -0.12 | 0.00 | 0.46 |
| Col43 | 13 | -0.04 | 0.00 | 0.46 |
| Col43 | 14 | -0.06 | 0.00 | 0.46 |
| Col43 | 15 | 0.02 | 0.00 | 0.46 |
| Col43 | 16 | 0.19 | 0.00 | 0.35 |
| Col43 | 17 | 0.25 | 0.00 | 0.35 |
| Col43 | 18 | 0.15 | 0.00 | 0.35 |
| Col43 | 19 | 0.21 | 0.00 | 0.35 |
| Col43 | 20 | 0.12 | 0.00 | 0.35 |
| Col43 | 21 | 0.18 | 0.00 | 0.35 |
| Col43 | 22 | 0.08 | 0.00 | 0.35 |
| Col43 | 23 | 0.14 | 0.00 | 0.35 |
| Col43 | 24 | 0.12 | 0.00 | 0.35 |
| Col43 | 25 | 0.18 | 0.00 | 0.35 |
| Col43 | 26 | 0.08 | 0.00 | 0.35 |
| Col43 | 27 | 0.14 | 0.00 | 0.35 |
| Col43 | 28 | -0.13 | 0.00 | -0.42 |
| Col43 | 29 | -0.05 | 0.00 | -0.42 |
| Col43 | 30 | -0.13 | 0.00 | 0.46 |
| Col43 | 31 | -0.05 | 0.00 | 0.46 |
| Col43 | 32 | -0.13 | 0.00 | 0.46 |
| Col43 | 33 | -0.05 | 0.00 | 0.46 |
| Col43 | 34 | -0.07 | 0.00 | 0.46 |
| Col43 | 35 | 0.01 | 0.00 | 0.46 |
| Col43 | 36 | 0.08 | 0.00 | 0.00 |
| Col43 | 37 | 0.08 | 0.00 | 0.00 |
| Col43 | 38 | 0.29 | 0.00 | 0.00 |
| Col43 | 39 | 0.29 | 0.00 | 0.00 |
| Col43 | 40 | 0.22 | 0.00 | 0.00 |
| Col43 | 41 | 0.22 | 0.00 | 0.00 |
| Col43 | 42 | 0.22 | 0.00 | 0.00 |
| Col43 | 43 | 0.22 | 0.00 | 0.00 |
| Col43 | 44 | 0.06 | 0.00 | 0.00 |
| Col43 | 45 | 0.06 | 0.00 | 0.00 |
| Col43 | 46 | 0.31 | 0.00 | 0.00 |
| Col43 | 47 | 0.15 | 0.00 | 0.35 |

| | | | | |
|-------|----|-------|------|-------|
| Col43 | 48 | 0.21 | 0.00 | 0.35 |
| Col43 | 49 | 0.08 | 0.00 | 0.00 |
| Col43 | 50 | 0.08 | 0.00 | 0.00 |
| Col43 | 51 | 0.06 | 0.00 | 0.00 |
| Col43 | 52 | 0.06 | 0.00 | 0.00 |
| Col44 | 1 | 0.36 | 0.00 | 0.00 |
| Col44 | 2 | 0.08 | 0.00 | 0.00 |
| Col44 | 3 | 0.27 | 0.00 | 0.00 |
| Col44 | 4 | 0.27 | 0.00 | 0.00 |
| Col44 | 5 | 0.29 | 0.00 | 0.00 |
| Col44 | 6 | 0.22 | 0.00 | 0.00 |
| Col44 | 7 | 0.22 | 0.00 | 0.00 |
| Col44 | 8 | -0.12 | 0.00 | -0.42 |
| Col44 | 9 | -0.04 | 0.00 | -0.42 |
| Col44 | 10 | -0.12 | 0.00 | 0.46 |
| Col44 | 11 | -0.04 | 0.00 | 0.46 |
| Col44 | 12 | -0.12 | 0.00 | 0.46 |
| Col44 | 13 | -0.04 | 0.00 | 0.46 |
| Col44 | 14 | -0.06 | 0.00 | 0.46 |
| Col44 | 15 | 0.02 | 0.00 | 0.46 |
| Col44 | 16 | 0.19 | 0.00 | 0.35 |
| Col44 | 17 | 0.25 | 0.00 | 0.35 |
| Col44 | 18 | 0.15 | 0.00 | 0.35 |
| Col44 | 19 | 0.21 | 0.00 | 0.35 |
| Col44 | 20 | 0.12 | 0.00 | 0.35 |
| Col44 | 21 | 0.18 | 0.00 | 0.35 |
| Col44 | 22 | 0.08 | 0.00 | 0.35 |
| Col44 | 23 | 0.14 | 0.00 | 0.35 |
| Col44 | 24 | 0.12 | 0.00 | 0.35 |
| Col44 | 25 | 0.18 | 0.00 | 0.35 |
| Col44 | 26 | 0.08 | 0.00 | 0.35 |
| Col44 | 27 | 0.14 | 0.00 | 0.35 |
| Col44 | 28 | -0.13 | 0.00 | -0.42 |
| Col44 | 29 | -0.05 | 0.00 | -0.42 |
| Col44 | 30 | -0.13 | 0.00 | 0.46 |
| Col44 | 31 | -0.05 | 0.00 | 0.46 |
| Col44 | 32 | -0.13 | 0.00 | 0.46 |
| Col44 | 33 | -0.05 | 0.00 | 0.46 |
| Col44 | 34 | -0.07 | 0.00 | 0.46 |
| Col44 | 35 | 0.01 | 0.00 | 0.46 |
| Col44 | 36 | 0.08 | 0.00 | 0.00 |
| Col44 | 37 | 0.08 | 0.00 | 0.00 |
| Col44 | 38 | 0.29 | 0.00 | 0.00 |
| Col44 | 39 | 0.29 | 0.00 | 0.00 |
| Col44 | 40 | 0.22 | 0.00 | 0.00 |
| Col44 | 41 | 0.22 | 0.00 | 0.00 |
| Col44 | 42 | 0.22 | 0.00 | 0.00 |
| Col44 | 43 | 0.22 | 0.00 | 0.00 |
| Col44 | 44 | 0.06 | 0.00 | 0.00 |
| Col44 | 45 | 0.06 | 0.00 | 0.00 |
| Col44 | 46 | 0.31 | 0.00 | 0.00 |
| Col44 | 47 | 0.15 | 0.00 | 0.35 |
| Col44 | 48 | 0.21 | 0.00 | 0.35 |
| Col44 | 49 | 0.08 | 0.00 | 0.00 |
| Col44 | 50 | 0.08 | 0.00 | 0.00 |
| Col44 | 51 | 0.06 | 0.00 | 0.00 |
| Col44 | 52 | 0.06 | 0.00 | 0.00 |
| Col45 | 1 | 0.35 | 0.00 | 0.00 |
| Col45 | 2 | 0.08 | 0.00 | 0.00 |
| Col45 | 3 | 0.26 | 0.00 | 0.00 |
| Col45 | 4 | 0.26 | 0.00 | 0.00 |
| Col45 | 5 | 0.28 | 0.00 | 0.00 |
| Col45 | 6 | 0.22 | 0.00 | 0.00 |
| Col45 | 7 | 0.22 | 0.00 | 0.00 |
| Col45 | 8 | -0.12 | 0.00 | 0.00 |

| | | | | |
|-------|----|-------|------|-------|
| Col45 | 9 | -0.04 | 0.00 | 0.00 |
| Col45 | 10 | -0.12 | 0.00 | 0.00 |
| Col45 | 11 | -0.04 | 0.00 | 0.00 |
| Col45 | 12 | -0.12 | 0.00 | 0.00 |
| Col45 | 13 | -0.04 | 0.00 | 0.00 |
| Col45 | 14 | -0.06 | 0.00 | 0.00 |
| Col45 | 15 | 0.02 | 0.00 | 0.00 |
| Col45 | 16 | 0.19 | 0.00 | 0.00 |
| Col45 | 17 | 0.25 | 0.00 | 0.00 |
| Col45 | 18 | 0.14 | 0.00 | 0.00 |
| Col45 | 19 | 0.20 | 0.00 | 0.00 |
| Col45 | 20 | 0.12 | 0.00 | 0.00 |
| Col45 | 21 | 0.18 | 0.00 | 0.00 |
| Col45 | 22 | 0.08 | 0.00 | 0.00 |
| Col45 | 23 | 0.14 | 0.00 | 0.00 |
| Col45 | 24 | 0.12 | 0.00 | 0.00 |
| Col45 | 25 | 0.18 | 0.00 | 0.00 |
| Col45 | 26 | 0.08 | 0.00 | 0.00 |
| Col45 | 27 | 0.14 | 0.00 | 0.00 |
| Col45 | 28 | -0.13 | 0.00 | 0.00 |
| Col45 | 29 | -0.05 | 0.00 | 0.00 |
| Col45 | 30 | -0.13 | 0.00 | 0.00 |
| Col45 | 31 | -0.05 | 0.00 | 0.00 |
| Col45 | 32 | -0.13 | 0.00 | 0.00 |
| Col45 | 33 | -0.05 | 0.00 | 0.00 |
| Col45 | 34 | -0.07 | 0.00 | 0.00 |
| Col45 | 35 | 0.01 | 0.00 | 0.00 |
| Col45 | 36 | 0.08 | 0.00 | 0.00 |
| Col45 | 37 | 0.08 | 0.00 | 0.00 |
| Col45 | 38 | 0.29 | 0.00 | 0.00 |
| Col45 | 39 | 0.29 | 0.00 | 0.00 |
| Col45 | 40 | 0.22 | 0.00 | 0.00 |
| Col45 | 41 | 0.22 | 0.00 | 0.00 |
| Col45 | 42 | 0.22 | 0.00 | 0.00 |
| Col45 | 43 | 0.22 | 0.00 | 0.00 |
| Col45 | 44 | 0.06 | 0.00 | 0.00 |
| Col45 | 45 | 0.06 | 0.00 | 0.00 |
| Col45 | 46 | 0.30 | 0.00 | 0.00 |
| Col45 | 47 | 0.14 | 0.00 | 0.00 |
| Col45 | 48 | 0.20 | 0.00 | 0.00 |
| Col45 | 49 | 0.08 | 0.00 | 0.00 |
| Col45 | 50 | 0.08 | 0.00 | 0.00 |
| Col45 | 51 | 0.06 | 0.00 | 0.00 |
| Col45 | 52 | 0.06 | 0.00 | 0.00 |
| Col46 | 1 | 0.34 | 0.00 | 0.00 |
| Col46 | 2 | 0.08 | 0.00 | 0.00 |
| Col46 | 3 | 0.26 | 0.00 | 0.00 |
| Col46 | 4 | 0.26 | 0.00 | 0.00 |
| Col46 | 5 | 0.28 | 0.00 | 0.00 |
| Col46 | 6 | 0.21 | 0.00 | 0.00 |
| Col46 | 7 | 0.21 | 0.00 | 0.00 |
| Col46 | 8 | -0.11 | 0.00 | -0.39 |
| Col46 | 9 | -0.03 | 0.00 | -0.39 |
| Col46 | 10 | -0.11 | 0.00 | 0.43 |
| Col46 | 11 | -0.03 | 0.00 | 0.43 |
| Col46 | 12 | -0.11 | 0.00 | 0.43 |
| Col46 | 13 | -0.03 | 0.00 | 0.43 |
| Col46 | 14 | -0.06 | 0.00 | 0.43 |
| Col46 | 15 | 0.02 | 0.00 | 0.43 |
| Col46 | 16 | 0.18 | 0.00 | 0.32 |
| Col46 | 17 | 0.24 | 0.00 | 0.32 |
| Col46 | 18 | 0.14 | 0.00 | 0.32 |
| Col46 | 19 | 0.20 | 0.00 | 0.32 |
| Col46 | 20 | 0.12 | 0.00 | 0.32 |
| Col46 | 21 | 0.17 | 0.00 | 0.32 |

| | | | | |
|-------|----|-------|------|-------|
| Col46 | 22 | 0.07 | 0.00 | 0.32 |
| Col46 | 23 | 0.13 | 0.00 | 0.32 |
| Col46 | 24 | 0.12 | 0.00 | 0.32 |
| Col46 | 25 | 0.17 | 0.00 | 0.32 |
| Col46 | 26 | 0.07 | 0.00 | 0.32 |
| Col46 | 27 | 0.13 | 0.00 | 0.32 |
| Col46 | 28 | -0.12 | 0.00 | -0.39 |
| Col46 | 29 | -0.05 | 0.00 | -0.39 |
| Col46 | 30 | -0.12 | 0.00 | 0.43 |
| Col46 | 31 | -0.05 | 0.00 | 0.43 |
| Col46 | 32 | -0.12 | 0.00 | 0.43 |
| Col46 | 33 | -0.05 | 0.00 | 0.43 |
| Col46 | 34 | -0.07 | 0.00 | 0.43 |
| Col46 | 35 | 0.01 | 0.00 | 0.43 |
| Col46 | 36 | 0.08 | 0.00 | 0.00 |
| Col46 | 37 | 0.08 | 0.00 | 0.00 |
| Col46 | 38 | 0.28 | 0.00 | 0.00 |
| Col46 | 39 | 0.28 | 0.00 | 0.00 |
| Col46 | 40 | 0.21 | 0.00 | 0.00 |
| Col46 | 41 | 0.21 | 0.00 | 0.00 |
| Col46 | 42 | 0.21 | 0.00 | 0.00 |
| Col46 | 43 | 0.21 | 0.00 | 0.00 |
| Col46 | 44 | 0.06 | 0.00 | 0.00 |
| Col46 | 45 | 0.06 | 0.00 | 0.00 |
| Col46 | 46 | 0.29 | 0.00 | 0.00 |
| Col46 | 47 | 0.14 | 0.00 | 0.32 |
| Col46 | 48 | 0.20 | 0.00 | 0.32 |
| Col46 | 49 | 0.08 | 0.00 | 0.00 |
| Col46 | 50 | 0.08 | 0.00 | 0.00 |
| Col46 | 51 | 0.06 | 0.00 | 0.00 |
| Col46 | 52 | 0.06 | 0.00 | 0.00 |
| Col47 | 1 | 0.34 | 0.00 | 0.00 |
| Col47 | 2 | 0.08 | 0.00 | 0.00 |
| Col47 | 3 | 0.26 | 0.00 | 0.00 |
| Col47 | 4 | 0.26 | 0.00 | 0.00 |
| Col47 | 5 | 0.28 | 0.00 | 0.00 |
| Col47 | 6 | 0.21 | 0.00 | 0.00 |
| Col47 | 7 | 0.21 | 0.00 | 0.00 |
| Col47 | 8 | -0.11 | 0.00 | -0.39 |
| Col47 | 9 | -0.03 | 0.00 | -0.39 |
| Col47 | 10 | -0.11 | 0.00 | 0.45 |
| Col47 | 11 | -0.03 | 0.00 | 0.45 |
| Col47 | 12 | -0.11 | 0.00 | 0.45 |
| Col47 | 13 | -0.03 | 0.00 | 0.45 |
| Col47 | 14 | -0.06 | 0.00 | 0.45 |
| Col47 | 15 | 0.02 | 0.00 | 0.45 |
| Col47 | 16 | 0.18 | 0.00 | 0.33 |
| Col47 | 17 | 0.24 | 0.00 | 0.33 |
| Col47 | 18 | 0.14 | 0.00 | 0.33 |
| Col47 | 19 | 0.20 | 0.00 | 0.33 |
| Col47 | 20 | 0.12 | 0.00 | 0.33 |
| Col47 | 21 | 0.17 | 0.00 | 0.33 |
| Col47 | 22 | 0.07 | 0.00 | 0.33 |
| Col47 | 23 | 0.13 | 0.00 | 0.33 |
| Col47 | 24 | 0.12 | 0.00 | 0.33 |
| Col47 | 25 | 0.17 | 0.00 | 0.33 |
| Col47 | 26 | 0.07 | 0.00 | 0.33 |
| Col47 | 27 | 0.13 | 0.00 | 0.33 |
| Col47 | 28 | -0.12 | 0.00 | -0.39 |
| Col47 | 29 | -0.05 | 0.00 | -0.39 |
| Col47 | 30 | -0.12 | 0.00 | 0.45 |
| Col47 | 31 | -0.05 | 0.00 | 0.45 |
| Col47 | 32 | -0.12 | 0.00 | 0.45 |
| Col47 | 33 | -0.05 | 0.00 | 0.45 |
| Col47 | 34 | -0.07 | 0.00 | 0.45 |

| | | | | |
|-------|----|-------|------|-------|
| Col47 | 35 | 0.01 | 0.00 | 0.45 |
| Col47 | 36 | 0.08 | 0.00 | 0.00 |
| Col47 | 37 | 0.08 | 0.00 | 0.00 |
| Col47 | 38 | 0.28 | 0.00 | 0.00 |
| Col47 | 39 | 0.28 | 0.00 | 0.00 |
| Col47 | 40 | 0.21 | 0.00 | 0.00 |
| Col47 | 41 | 0.21 | 0.00 | 0.00 |
| Col47 | 42 | 0.21 | 0.00 | 0.00 |
| Col47 | 43 | 0.21 | 0.00 | 0.00 |
| Col47 | 44 | 0.06 | 0.00 | 0.00 |
| Col47 | 45 | 0.06 | 0.00 | 0.00 |
| Col47 | 46 | 0.29 | 0.00 | 0.00 |
| Col47 | 47 | 0.14 | 0.00 | 0.33 |
| Col47 | 48 | 0.20 | 0.00 | 0.33 |
| Col47 | 49 | 0.08 | 0.00 | 0.00 |
| Col47 | 50 | 0.08 | 0.00 | 0.00 |
| Col47 | 51 | 0.06 | 0.00 | 0.00 |
| Col47 | 52 | 0.06 | 0.00 | 0.00 |
| Col48 | 1 | 0.19 | 0.00 | 0.00 |
| Col48 | 2 | 0.05 | 0.00 | 0.00 |
| Col48 | 3 | 0.14 | 0.00 | 0.00 |
| Col48 | 4 | 0.14 | 0.00 | 0.00 |
| Col48 | 5 | 0.15 | 0.00 | 0.00 |
| Col48 | 6 | 0.12 | 0.00 | 0.00 |
| Col48 | 7 | 0.12 | 0.00 | 0.00 |
| Col48 | 8 | -0.04 | 0.00 | -0.20 |
| Col48 | 9 | 0.00 | 0.00 | -0.20 |
| Col48 | 10 | -0.04 | 0.00 | 0.23 |
| Col48 | 11 | 0.00 | 0.00 | 0.23 |
| Col48 | 12 | -0.04 | 0.00 | 0.23 |
| Col48 | 13 | 0.00 | 0.00 | 0.23 |
| Col48 | 14 | -0.01 | 0.00 | 0.23 |
| Col48 | 15 | 0.03 | 0.00 | 0.23 |
| Col48 | 16 | 0.11 | 0.00 | 0.17 |
| Col48 | 17 | 0.14 | 0.00 | 0.17 |
| Col48 | 18 | 0.09 | 0.00 | 0.17 |
| Col48 | 19 | 0.12 | 0.00 | 0.17 |
| Col48 | 20 | 0.07 | 0.00 | 0.17 |
| Col48 | 21 | 0.10 | 0.00 | 0.17 |
| Col48 | 22 | 0.05 | 0.00 | 0.17 |
| Col48 | 23 | 0.08 | 0.00 | 0.17 |
| Col48 | 24 | 0.07 | 0.00 | 0.17 |
| Col48 | 25 | 0.10 | 0.00 | 0.17 |
| Col48 | 26 | 0.05 | 0.00 | 0.17 |
| Col48 | 27 | 0.08 | 0.00 | 0.17 |
| Col48 | 28 | -0.05 | 0.00 | -0.20 |
| Col48 | 29 | -0.01 | 0.00 | -0.20 |
| Col48 | 30 | -0.05 | 0.00 | 0.23 |
| Col48 | 31 | -0.01 | 0.00 | 0.23 |
| Col48 | 32 | -0.05 | 0.00 | 0.23 |
| Col48 | 33 | -0.01 | 0.00 | 0.23 |
| Col48 | 34 | -0.02 | 0.00 | 0.23 |
| Col48 | 35 | 0.02 | 0.00 | 0.23 |
| Col48 | 36 | 0.06 | 0.00 | 0.00 |
| Col48 | 37 | 0.06 | 0.00 | 0.00 |
| Col48 | 38 | 0.15 | 0.00 | 0.00 |
| Col48 | 39 | 0.15 | 0.00 | 0.00 |
| Col48 | 40 | 0.12 | 0.00 | 0.00 |
| Col48 | 41 | 0.12 | 0.00 | 0.00 |
| Col48 | 42 | 0.12 | 0.00 | 0.00 |
| Col48 | 43 | 0.12 | 0.00 | 0.00 |
| Col48 | 44 | 0.05 | 0.00 | 0.00 |
| Col48 | 45 | 0.05 | 0.00 | 0.00 |
| Col48 | 46 | 0.16 | 0.00 | 0.00 |
| Col48 | 47 | 0.09 | 0.00 | 0.17 |

| | | | | |
|-------|----|------|------|------|
| Col48 | 48 | 0.12 | 0.00 | 0.17 |
| Col48 | 49 | 0.05 | 0.00 | 0.00 |
| Col48 | 50 | 0.05 | 0.00 | 0.00 |
| Col48 | 51 | 0.05 | 0.00 | 0.00 |
| Col48 | 52 | 0.05 | 0.00 | 0.00 |

COLUMN DEFLECTIONS:

| Id | Load | Deflection (in) | |
|-------|-------|-----------------|-------|
| | Id | Calc | Limit |
| ----- | ----- | ----- | ----- |
| Col30 | 1 | 0.00 | 0.99 |
| Col30 | 2 | 0.00 | 0.99 |
| Col30 | 3 | 0.00 | 0.99 |
| Col30 | 4 | 0.00 | 0.99 |
| Col30 | 5 | 0.00 | 0.99 |
| Col30 | 6 | 0.00 | 0.99 |
| Col30 | 7 | 0.00 | 0.99 |
| Col30 | 8 | -0.26 | 0.99 |
| Col30 | 9 | -0.26 | 0.99 |
| Col30 | 10 | 0.30 | 0.99 |
| Col30 | 11 | 0.30 | 0.99 |
| Col30 | 12 | 0.30 | 0.99 |
| Col30 | 13 | 0.30 | 0.99 |
| Col30 | 14 | 0.30 | 0.99 |
| Col30 | 15 | 0.30 | 0.99 |
| Col30 | 16 | 0.23 | 0.99 |
| Col30 | 17 | 0.23 | 0.99 |
| Col30 | 18 | 0.23 | 0.99 |
| Col30 | 19 | 0.23 | 0.99 |
| Col30 | 20 | 0.23 | 0.99 |
| Col30 | 21 | 0.23 | 0.99 |
| Col30 | 22 | 0.23 | 0.99 |
| Col30 | 23 | 0.23 | 0.99 |
| Col30 | 24 | 0.23 | 0.99 |
| Col30 | 25 | 0.23 | 0.99 |
| Col30 | 26 | 0.23 | 0.99 |
| Col30 | 27 | 0.23 | 0.99 |
| Col30 | 28 | -0.26 | 0.99 |
| Col30 | 29 | -0.26 | 0.99 |
| Col30 | 30 | 0.30 | 0.99 |
| Col30 | 31 | 0.30 | 0.99 |
| Col30 | 32 | 0.30 | 0.99 |
| Col30 | 33 | 0.30 | 0.99 |
| Col30 | 34 | 0.30 | 0.99 |
| Col30 | 35 | 0.30 | 0.99 |
| Col30 | 36 | 0.00 | 0.99 |
| Col30 | 37 | 0.00 | 0.99 |
| Col30 | 38 | 0.00 | 0.99 |
| Col30 | 39 | 0.00 | 0.99 |
| Col30 | 40 | 0.00 | 0.99 |
| Col30 | 41 | 0.00 | 0.99 |
| Col30 | 42 | 0.00 | 0.99 |
| Col30 | 43 | 0.00 | 0.99 |
| Col30 | 44 | 0.00 | 0.99 |
| Col30 | 45 | 0.00 | 0.99 |
| Col30 | 46 | 0.00 | 0.99 |
| Col30 | 47 | 0.14 | 0.99 |
| Col30 | 48 | 0.14 | 0.99 |
| Col31 | 1 | 0.00 | 0.99 |
| Col31 | 2 | 0.00 | 0.99 |
| Col31 | 3 | 0.00 | 0.99 |
| Col31 | 4 | 0.00 | 0.99 |
| Col31 | 5 | 0.00 | 0.99 |
| Col31 | 6 | 0.00 | 0.99 |

| | | | |
|--------|----|-------|------|
| Col131 | 7 | 0.00 | 0.99 |
| Col131 | 8 | -0.52 | 0.99 |
| Col131 | 9 | -0.52 | 0.99 |
| Col131 | 10 | 0.59 | 0.99 |
| Col131 | 11 | 0.59 | 0.99 |
| Col131 | 12 | 0.59 | 0.99 |
| Col131 | 13 | 0.59 | 0.99 |
| Col131 | 14 | 0.59 | 0.99 |
| Col131 | 15 | 0.59 | 0.99 |
| Col131 | 16 | 0.44 | 0.99 |
| Col131 | 17 | 0.44 | 0.99 |
| Col131 | 18 | 0.44 | 0.99 |
| Col131 | 19 | 0.44 | 0.99 |
| Col131 | 20 | 0.44 | 0.99 |
| Col131 | 21 | 0.44 | 0.99 |
| Col131 | 22 | 0.44 | 0.99 |
| Col131 | 23 | 0.44 | 0.99 |
| Col131 | 24 | 0.44 | 0.99 |
| Col131 | 25 | 0.44 | 0.99 |
| Col131 | 26 | 0.44 | 0.99 |
| Col131 | 27 | 0.44 | 0.99 |
| Col131 | 28 | -0.52 | 0.99 |
| Col131 | 29 | -0.52 | 0.99 |
| Col131 | 30 | 0.59 | 0.99 |
| Col131 | 31 | 0.59 | 0.99 |
| Col131 | 32 | 0.59 | 0.99 |
| Col131 | 33 | 0.59 | 0.99 |
| Col131 | 34 | 0.59 | 0.99 |
| Col131 | 35 | 0.59 | 0.99 |
| Col131 | 36 | 0.00 | 0.99 |
| Col131 | 37 | 0.00 | 0.99 |
| Col131 | 38 | 0.00 | 0.99 |
| Col131 | 39 | 0.00 | 0.99 |
| Col131 | 40 | 0.00 | 0.99 |
| Col131 | 41 | 0.00 | 0.99 |
| Col131 | 42 | 0.00 | 0.99 |
| Col131 | 43 | 0.00 | 0.99 |
| Col131 | 44 | 0.00 | 0.99 |
| Col131 | 45 | 0.00 | 0.99 |
| Col131 | 46 | 0.00 | 0.99 |
| Col131 | 47 | 0.26 | 0.99 |
| Col131 | 48 | 0.26 | 0.99 |
| Col132 | 1 | 0.00 | 0.99 |
| Col132 | 2 | 0.00 | 0.99 |
| Col132 | 3 | 0.00 | 0.99 |
| Col132 | 4 | 0.00 | 0.99 |
| Col132 | 5 | 0.00 | 0.99 |
| Col132 | 6 | 0.00 | 0.99 |
| Col132 | 7 | 0.00 | 0.99 |
| Col132 | 8 | -0.52 | 0.99 |
| Col132 | 9 | -0.52 | 0.99 |
| Col132 | 10 | 0.57 | 0.99 |
| Col132 | 11 | 0.57 | 0.99 |
| Col132 | 12 | 0.57 | 0.99 |
| Col132 | 13 | 0.57 | 0.99 |
| Col132 | 14 | 0.57 | 0.99 |
| Col132 | 15 | 0.57 | 0.99 |
| Col132 | 16 | 0.43 | 0.99 |
| Col132 | 17 | 0.43 | 0.99 |
| Col132 | 18 | 0.43 | 0.99 |
| Col132 | 19 | 0.43 | 0.99 |
| Col132 | 20 | 0.43 | 0.99 |
| Col132 | 21 | 0.43 | 0.99 |
| Col132 | 22 | 0.43 | 0.99 |
| Col132 | 23 | 0.43 | 0.99 |

| | | | |
|--------|----|-------|------|
| Col132 | 24 | 0.43 | 0.99 |
| Col132 | 25 | 0.43 | 0.99 |
| Col132 | 26 | 0.43 | 0.99 |
| Col132 | 27 | 0.43 | 0.99 |
| Col132 | 28 | -0.52 | 0.99 |
| Col132 | 29 | -0.52 | 0.99 |
| Col132 | 30 | 0.57 | 0.99 |
| Col132 | 31 | 0.57 | 0.99 |
| Col132 | 32 | 0.57 | 0.99 |
| Col132 | 33 | 0.57 | 0.99 |
| Col132 | 34 | 0.57 | 0.99 |
| Col132 | 35 | 0.57 | 0.99 |
| Col132 | 36 | 0.00 | 0.99 |
| Col132 | 37 | 0.00 | 0.99 |
| Col132 | 38 | 0.00 | 0.99 |
| Col132 | 39 | 0.00 | 0.99 |
| Col132 | 40 | 0.00 | 0.99 |
| Col132 | 41 | 0.00 | 0.99 |
| Col132 | 42 | 0.00 | 0.99 |
| Col132 | 43 | 0.00 | 0.99 |
| Col132 | 44 | 0.00 | 0.99 |
| Col132 | 45 | 0.00 | 0.99 |
| Col132 | 46 | 0.00 | 0.99 |
| Col132 | 47 | 0.26 | 0.99 |
| Col132 | 48 | 0.26 | 0.99 |
| Col133 | 1 | 0.00 | 0.99 |
| Col133 | 2 | 0.00 | 0.99 |
| Col133 | 3 | 0.00 | 0.99 |
| Col133 | 4 | 0.00 | 0.99 |
| Col133 | 5 | 0.00 | 0.99 |
| Col133 | 6 | 0.00 | 0.99 |
| Col133 | 7 | 0.00 | 0.99 |
| Col133 | 8 | 0.00 | 0.99 |
| Col133 | 9 | 0.00 | 0.99 |
| Col133 | 10 | 0.00 | 0.99 |
| Col133 | 11 | 0.00 | 0.99 |
| Col133 | 12 | 0.00 | 0.99 |
| Col133 | 13 | 0.00 | 0.99 |
| Col133 | 14 | 0.00 | 0.99 |
| Col133 | 15 | 0.00 | 0.99 |
| Col133 | 16 | 0.00 | 0.99 |
| Col133 | 17 | 0.00 | 0.99 |
| Col133 | 18 | 0.00 | 0.99 |
| Col133 | 19 | 0.00 | 0.99 |
| Col133 | 20 | 0.00 | 0.99 |
| Col133 | 21 | 0.00 | 0.99 |
| Col133 | 22 | 0.00 | 0.99 |
| Col133 | 23 | 0.00 | 0.99 |
| Col133 | 24 | 0.00 | 0.99 |
| Col133 | 25 | 0.00 | 0.99 |
| Col133 | 26 | 0.00 | 0.99 |
| Col133 | 27 | 0.00 | 0.99 |
| Col133 | 28 | 0.00 | 0.99 |
| Col133 | 29 | 0.00 | 0.99 |
| Col133 | 30 | 0.00 | 0.99 |
| Col133 | 31 | 0.00 | 0.99 |
| Col133 | 32 | 0.00 | 0.99 |
| Col133 | 33 | 0.00 | 0.99 |
| Col133 | 34 | 0.00 | 0.99 |
| Col133 | 35 | 0.00 | 0.99 |
| Col133 | 36 | 0.00 | 0.99 |
| Col133 | 37 | 0.00 | 0.99 |
| Col133 | 38 | 0.00 | 0.99 |
| Col133 | 39 | 0.00 | 0.99 |
| Col133 | 40 | 0.00 | 0.99 |

| | | | |
|--------|----|-------|------|
| Col133 | 41 | 0.00 | 0.99 |
| Col133 | 42 | 0.00 | 0.99 |
| Col133 | 43 | 0.00 | 0.99 |
| Col133 | 44 | 0.00 | 0.99 |
| Col133 | 45 | 0.00 | 0.99 |
| Col133 | 46 | 0.00 | 0.99 |
| Col133 | 47 | 0.00 | 0.99 |
| Col133 | 48 | 0.00 | 0.99 |
| Col134 | 1 | 0.00 | 0.99 |
| Col134 | 2 | 0.00 | 0.99 |
| Col134 | 3 | 0.00 | 0.99 |
| Col134 | 4 | 0.00 | 0.99 |
| Col134 | 5 | 0.00 | 0.99 |
| Col134 | 6 | 0.00 | 0.99 |
| Col134 | 7 | 0.00 | 0.99 |
| Col134 | 8 | -0.55 | 0.99 |
| Col134 | 9 | -0.55 | 0.99 |
| Col134 | 10 | 0.61 | 0.99 |
| Col134 | 11 | 0.61 | 0.99 |
| Col134 | 12 | 0.61 | 0.99 |
| Col134 | 13 | 0.61 | 0.99 |
| Col134 | 14 | 0.61 | 0.99 |
| Col134 | 15 | 0.61 | 0.99 |
| Col134 | 16 | 0.45 | 0.99 |
| Col134 | 17 | 0.45 | 0.99 |
| Col134 | 18 | 0.45 | 0.99 |
| Col134 | 19 | 0.45 | 0.99 |
| Col134 | 20 | 0.45 | 0.99 |
| Col134 | 21 | 0.45 | 0.99 |
| Col134 | 22 | 0.45 | 0.99 |
| Col134 | 23 | 0.45 | 0.99 |
| Col134 | 24 | 0.45 | 0.99 |
| Col134 | 25 | 0.45 | 0.99 |
| Col134 | 26 | 0.45 | 0.99 |
| Col134 | 27 | 0.45 | 0.99 |
| Col134 | 28 | -0.55 | 0.99 |
| Col134 | 29 | -0.55 | 0.99 |
| Col134 | 30 | 0.61 | 0.99 |
| Col134 | 31 | 0.61 | 0.99 |
| Col134 | 32 | 0.61 | 0.99 |
| Col134 | 33 | 0.61 | 0.99 |
| Col134 | 34 | 0.61 | 0.99 |
| Col134 | 35 | 0.61 | 0.99 |
| Col134 | 36 | 0.00 | 0.99 |
| Col134 | 37 | 0.00 | 0.99 |
| Col134 | 38 | 0.00 | 0.99 |
| Col134 | 39 | 0.00 | 0.99 |
| Col134 | 40 | 0.00 | 0.99 |
| Col134 | 41 | 0.00 | 0.99 |
| Col134 | 42 | 0.00 | 0.99 |
| Col134 | 43 | 0.00 | 0.99 |
| Col134 | 44 | 0.00 | 0.99 |
| Col134 | 45 | 0.00 | 0.99 |
| Col134 | 46 | 0.00 | 0.99 |
| Col134 | 47 | 0.27 | 0.99 |
| Col134 | 48 | 0.27 | 0.99 |
| Col135 | 1 | 0.00 | 0.99 |
| Col135 | 2 | 0.00 | 0.99 |
| Col135 | 3 | 0.00 | 0.99 |
| Col135 | 4 | 0.00 | 0.99 |
| Col135 | 5 | 0.00 | 0.99 |
| Col135 | 6 | 0.00 | 0.99 |
| Col135 | 7 | 0.00 | 0.99 |
| Col135 | 8 | -0.55 | 0.99 |
| Col135 | 9 | -0.55 | 0.99 |

| | | | |
|--------|----|-------|------|
| Col135 | 10 | 0.61 | 0.99 |
| Col135 | 11 | 0.61 | 0.99 |
| Col135 | 12 | 0.61 | 0.99 |
| Col135 | 13 | 0.61 | 0.99 |
| Col135 | 14 | 0.61 | 0.99 |
| Col135 | 15 | 0.61 | 0.99 |
| Col135 | 16 | 0.45 | 0.99 |
| Col135 | 17 | 0.45 | 0.99 |
| Col135 | 18 | 0.45 | 0.99 |
| Col135 | 19 | 0.45 | 0.99 |
| Col135 | 20 | 0.45 | 0.99 |
| Col135 | 21 | 0.45 | 0.99 |
| Col135 | 22 | 0.45 | 0.99 |
| Col135 | 23 | 0.45 | 0.99 |
| Col135 | 24 | 0.45 | 0.99 |
| Col135 | 25 | 0.45 | 0.99 |
| Col135 | 26 | 0.45 | 0.99 |
| Col135 | 27 | 0.45 | 0.99 |
| Col135 | 28 | -0.55 | 0.99 |
| Col135 | 29 | -0.55 | 0.99 |
| Col135 | 30 | 0.61 | 0.99 |
| Col135 | 31 | 0.61 | 0.99 |
| Col135 | 32 | 0.61 | 0.99 |
| Col135 | 33 | 0.61 | 0.99 |
| Col135 | 34 | 0.61 | 0.99 |
| Col135 | 35 | 0.61 | 0.99 |
| Col135 | 36 | 0.00 | 0.99 |
| Col135 | 37 | 0.00 | 0.99 |
| Col135 | 38 | 0.00 | 0.99 |
| Col135 | 39 | 0.00 | 0.99 |
| Col135 | 40 | 0.00 | 0.99 |
| Col135 | 41 | 0.00 | 0.99 |
| Col135 | 42 | 0.00 | 0.99 |
| Col135 | 43 | 0.00 | 0.99 |
| Col135 | 44 | 0.00 | 0.99 |
| Col135 | 45 | 0.00 | 0.99 |
| Col135 | 46 | 0.00 | 0.99 |
| Col135 | 47 | 0.27 | 0.99 |
| Col135 | 48 | 0.27 | 0.99 |
| Col136 | 1 | 0.00 | 0.99 |
| Col136 | 2 | 0.00 | 0.99 |
| Col136 | 3 | 0.00 | 0.99 |
| Col136 | 4 | 0.00 | 0.99 |
| Col136 | 5 | 0.00 | 0.99 |
| Col136 | 6 | 0.00 | 0.99 |
| Col136 | 7 | 0.00 | 0.99 |
| Col136 | 8 | 0.00 | 0.99 |
| Col136 | 9 | 0.00 | 0.99 |
| Col136 | 10 | 0.00 | 0.99 |
| Col136 | 11 | 0.00 | 0.99 |
| Col136 | 12 | 0.00 | 0.99 |
| Col136 | 13 | 0.00 | 0.99 |
| Col136 | 14 | 0.00 | 0.99 |
| Col136 | 15 | 0.00 | 0.99 |
| Col136 | 16 | 0.00 | 0.99 |
| Col136 | 17 | 0.00 | 0.99 |
| Col136 | 18 | 0.00 | 0.99 |
| Col136 | 19 | 0.00 | 0.99 |
| Col136 | 20 | 0.00 | 0.99 |
| Col136 | 21 | 0.00 | 0.99 |
| Col136 | 22 | 0.00 | 0.99 |
| Col136 | 23 | 0.00 | 0.99 |
| Col136 | 24 | 0.00 | 0.99 |
| Col136 | 25 | 0.00 | 0.99 |
| Col136 | 26 | 0.00 | 0.99 |

| | | | |
|--------|----|-------|------|
| Col136 | 27 | 0.00 | 0.99 |
| Col136 | 28 | 0.00 | 0.99 |
| Col136 | 29 | 0.00 | 0.99 |
| Col136 | 30 | 0.00 | 0.99 |
| Col136 | 31 | 0.00 | 0.99 |
| Col136 | 32 | 0.00 | 0.99 |
| Col136 | 33 | 0.00 | 0.99 |
| Col136 | 34 | 0.00 | 0.99 |
| Col136 | 35 | 0.00 | 0.99 |
| Col136 | 36 | 0.00 | 0.99 |
| Col136 | 37 | 0.00 | 0.99 |
| Col136 | 38 | 0.00 | 0.99 |
| Col136 | 39 | 0.00 | 0.99 |
| Col136 | 40 | 0.00 | 0.99 |
| Col136 | 41 | 0.00 | 0.99 |
| Col136 | 42 | 0.00 | 0.99 |
| Col136 | 43 | 0.00 | 0.99 |
| Col136 | 44 | 0.00 | 0.99 |
| Col136 | 45 | 0.00 | 0.99 |
| Col136 | 46 | 0.00 | 0.99 |
| Col136 | 47 | 0.00 | 0.99 |
| Col136 | 48 | 0.00 | 0.99 |
| Col137 | 1 | 0.00 | 0.99 |
| Col137 | 2 | 0.00 | 0.99 |
| Col137 | 3 | 0.00 | 0.99 |
| Col137 | 4 | 0.00 | 0.99 |
| Col137 | 5 | 0.00 | 0.99 |
| Col137 | 6 | 0.00 | 0.99 |
| Col137 | 7 | 0.00 | 0.99 |
| Col137 | 8 | -0.55 | 0.99 |
| Col137 | 9 | -0.55 | 0.99 |
| Col137 | 10 | 0.61 | 0.99 |
| Col137 | 11 | 0.61 | 0.99 |
| Col137 | 12 | 0.61 | 0.99 |
| Col137 | 13 | 0.61 | 0.99 |
| Col137 | 14 | 0.61 | 0.99 |
| Col137 | 15 | 0.61 | 0.99 |
| Col137 | 16 | 0.45 | 0.99 |
| Col137 | 17 | 0.45 | 0.99 |
| Col137 | 18 | 0.45 | 0.99 |
| Col137 | 19 | 0.45 | 0.99 |
| Col137 | 20 | 0.45 | 0.99 |
| Col137 | 21 | 0.45 | 0.99 |
| Col137 | 22 | 0.45 | 0.99 |
| Col137 | 23 | 0.45 | 0.99 |
| Col137 | 24 | 0.45 | 0.99 |
| Col137 | 25 | 0.45 | 0.99 |
| Col137 | 26 | 0.45 | 0.99 |
| Col137 | 27 | 0.45 | 0.99 |
| Col137 | 28 | -0.55 | 0.99 |
| Col137 | 29 | -0.55 | 0.99 |
| Col137 | 30 | 0.61 | 0.99 |
| Col137 | 31 | 0.61 | 0.99 |
| Col137 | 32 | 0.61 | 0.99 |
| Col137 | 33 | 0.61 | 0.99 |
| Col137 | 34 | 0.61 | 0.99 |
| Col137 | 35 | 0.61 | 0.99 |
| Col137 | 36 | 0.00 | 0.99 |
| Col137 | 37 | 0.00 | 0.99 |
| Col137 | 38 | 0.00 | 0.99 |
| Col137 | 39 | 0.00 | 0.99 |
| Col137 | 40 | 0.00 | 0.99 |
| Col137 | 41 | 0.00 | 0.99 |
| Col137 | 42 | 0.00 | 0.99 |
| Col137 | 43 | 0.00 | 0.99 |

| | | | |
|--------|----|-------|------|
| Col137 | 44 | 0.00 | 0.99 |
| Col137 | 45 | 0.00 | 0.99 |
| Col137 | 46 | 0.00 | 0.99 |
| Col137 | 47 | 0.27 | 0.99 |
| Col137 | 48 | 0.27 | 0.99 |
| Col138 | 1 | 0.00 | 0.99 |
| Col138 | 2 | 0.00 | 0.99 |
| Col138 | 3 | 0.00 | 0.99 |
| Col138 | 4 | 0.00 | 0.99 |
| Col138 | 5 | 0.00 | 0.99 |
| Col138 | 6 | 0.00 | 0.99 |
| Col138 | 7 | 0.00 | 0.99 |
| Col138 | 8 | -0.55 | 0.99 |
| Col138 | 9 | -0.55 | 0.99 |
| Col138 | 10 | 0.61 | 0.99 |
| Col138 | 11 | 0.61 | 0.99 |
| Col138 | 12 | 0.61 | 0.99 |
| Col138 | 13 | 0.61 | 0.99 |
| Col138 | 14 | 0.61 | 0.99 |
| Col138 | 15 | 0.61 | 0.99 |
| Col138 | 16 | 0.45 | 0.99 |
| Col138 | 17 | 0.45 | 0.99 |
| Col138 | 18 | 0.45 | 0.99 |
| Col138 | 19 | 0.45 | 0.99 |
| Col138 | 20 | 0.45 | 0.99 |
| Col138 | 21 | 0.45 | 0.99 |
| Col138 | 22 | 0.45 | 0.99 |
| Col138 | 23 | 0.45 | 0.99 |
| Col138 | 24 | 0.45 | 0.99 |
| Col138 | 25 | 0.45 | 0.99 |
| Col138 | 26 | 0.45 | 0.99 |
| Col138 | 27 | 0.45 | 0.99 |
| Col138 | 28 | -0.55 | 0.99 |
| Col138 | 29 | -0.55 | 0.99 |
| Col138 | 30 | 0.61 | 0.99 |
| Col138 | 31 | 0.61 | 0.99 |
| Col138 | 32 | 0.61 | 0.99 |
| Col138 | 33 | 0.61 | 0.99 |
| Col138 | 34 | 0.61 | 0.99 |
| Col138 | 35 | 0.61 | 0.99 |
| Col138 | 36 | 0.00 | 0.99 |
| Col138 | 37 | 0.00 | 0.99 |
| Col138 | 38 | 0.00 | 0.99 |
| Col138 | 39 | 0.00 | 0.99 |
| Col138 | 40 | 0.00 | 0.99 |
| Col138 | 41 | 0.00 | 0.99 |
| Col138 | 42 | 0.00 | 0.99 |
| Col138 | 43 | 0.00 | 0.99 |
| Col138 | 44 | 0.00 | 0.99 |
| Col138 | 45 | 0.00 | 0.99 |
| Col138 | 46 | 0.00 | 0.99 |
| Col138 | 47 | 0.27 | 0.99 |
| Col138 | 48 | 0.27 | 0.99 |
| Col139 | 1 | 0.00 | 0.99 |
| Col139 | 2 | 0.00 | 0.99 |
| Col139 | 3 | 0.00 | 0.99 |
| Col139 | 4 | 0.00 | 0.99 |
| Col139 | 5 | 0.00 | 0.99 |
| Col139 | 6 | 0.00 | 0.99 |
| Col139 | 7 | 0.00 | 0.99 |
| Col139 | 8 | 0.00 | 0.99 |
| Col139 | 9 | 0.00 | 0.99 |
| Col139 | 10 | 0.00 | 0.99 |
| Col139 | 11 | 0.00 | 0.99 |
| Col139 | 12 | 0.00 | 0.99 |

| | | | |
|--------|----|-------|------|
| Col139 | 13 | 0.00 | 0.99 |
| Col139 | 14 | 0.00 | 0.99 |
| Col139 | 15 | 0.00 | 0.99 |
| Col139 | 16 | 0.00 | 0.99 |
| Col139 | 17 | 0.00 | 0.99 |
| Col139 | 18 | 0.00 | 0.99 |
| Col139 | 19 | 0.00 | 0.99 |
| Col139 | 20 | 0.00 | 0.99 |
| Col139 | 21 | 0.00 | 0.99 |
| Col139 | 22 | 0.00 | 0.99 |
| Col139 | 23 | 0.00 | 0.99 |
| Col139 | 24 | 0.00 | 0.99 |
| Col139 | 25 | 0.00 | 0.99 |
| Col139 | 26 | 0.00 | 0.99 |
| Col139 | 27 | 0.00 | 0.99 |
| Col139 | 28 | 0.00 | 0.99 |
| Col139 | 29 | 0.00 | 0.99 |
| Col139 | 30 | 0.00 | 0.99 |
| Col139 | 31 | 0.00 | 0.99 |
| Col139 | 32 | 0.00 | 0.99 |
| Col139 | 33 | 0.00 | 0.99 |
| Col139 | 34 | 0.00 | 0.99 |
| Col139 | 35 | 0.00 | 0.99 |
| Col139 | 36 | 0.00 | 0.99 |
| Col139 | 37 | 0.00 | 0.99 |
| Col139 | 38 | 0.00 | 0.99 |
| Col139 | 39 | 0.00 | 0.99 |
| Col139 | 40 | 0.00 | 0.99 |
| Col139 | 41 | 0.00 | 0.99 |
| Col139 | 42 | 0.00 | 0.99 |
| Col139 | 43 | 0.00 | 0.99 |
| Col139 | 44 | 0.00 | 0.99 |
| Col139 | 45 | 0.00 | 0.99 |
| Col139 | 46 | 0.00 | 0.99 |
| Col139 | 47 | 0.00 | 0.99 |
| Col139 | 48 | 0.00 | 0.99 |
| Col140 | 1 | 0.00 | 0.99 |
| Col140 | 2 | 0.00 | 0.99 |
| Col140 | 3 | 0.00 | 0.99 |
| Col140 | 4 | 0.00 | 0.99 |
| Col140 | 5 | 0.00 | 0.99 |
| Col140 | 6 | 0.00 | 0.99 |
| Col140 | 7 | 0.00 | 0.99 |
| Col140 | 8 | -0.55 | 0.99 |
| Col140 | 9 | -0.55 | 0.99 |
| Col140 | 10 | 0.61 | 0.99 |
| Col140 | 11 | 0.61 | 0.99 |
| Col140 | 12 | 0.61 | 0.99 |
| Col140 | 13 | 0.61 | 0.99 |
| Col140 | 14 | 0.61 | 0.99 |
| Col140 | 15 | 0.61 | 0.99 |
| Col140 | 16 | 0.45 | 0.99 |
| Col140 | 17 | 0.45 | 0.99 |
| Col140 | 18 | 0.45 | 0.99 |
| Col140 | 19 | 0.45 | 0.99 |
| Col140 | 20 | 0.45 | 0.99 |
| Col140 | 21 | 0.45 | 0.99 |
| Col140 | 22 | 0.45 | 0.99 |
| Col140 | 23 | 0.45 | 0.99 |
| Col140 | 24 | 0.45 | 0.99 |
| Col140 | 25 | 0.45 | 0.99 |
| Col140 | 26 | 0.45 | 0.99 |
| Col140 | 27 | 0.45 | 0.99 |
| Col140 | 28 | -0.55 | 0.99 |
| Col140 | 29 | -0.55 | 0.99 |

| | | | |
|-------|----|-------|------|
| Col40 | 30 | 0.61 | 0.99 |
| Col40 | 31 | 0.61 | 0.99 |
| Col40 | 32 | 0.61 | 0.99 |
| Col40 | 33 | 0.61 | 0.99 |
| Col40 | 34 | 0.61 | 0.99 |
| Col40 | 35 | 0.61 | 0.99 |
| Col40 | 36 | 0.00 | 0.99 |
| Col40 | 37 | 0.00 | 0.99 |
| Col40 | 38 | 0.00 | 0.99 |
| Col40 | 39 | 0.00 | 0.99 |
| Col40 | 40 | 0.00 | 0.99 |
| Col40 | 41 | 0.00 | 0.99 |
| Col40 | 42 | 0.00 | 0.99 |
| Col40 | 43 | 0.00 | 0.99 |
| Col40 | 44 | 0.00 | 0.99 |
| Col40 | 45 | 0.00 | 0.99 |
| Col40 | 46 | 0.00 | 0.99 |
| Col40 | 47 | 0.27 | 0.99 |
| Col40 | 48 | 0.27 | 0.99 |
| Col41 | 1 | 0.00 | 0.99 |
| Col41 | 2 | 0.00 | 0.99 |
| Col41 | 3 | 0.00 | 0.99 |
| Col41 | 4 | 0.00 | 0.99 |
| Col41 | 5 | 0.00 | 0.99 |
| Col41 | 6 | 0.00 | 0.99 |
| Col41 | 7 | 0.00 | 0.99 |
| Col41 | 8 | -0.55 | 0.99 |
| Col41 | 9 | -0.55 | 0.99 |
| Col41 | 10 | 0.61 | 0.99 |
| Col41 | 11 | 0.61 | 0.99 |
| Col41 | 12 | 0.61 | 0.99 |
| Col41 | 13 | 0.61 | 0.99 |
| Col41 | 14 | 0.61 | 0.99 |
| Col41 | 15 | 0.61 | 0.99 |
| Col41 | 16 | 0.45 | 0.99 |
| Col41 | 17 | 0.45 | 0.99 |
| Col41 | 18 | 0.45 | 0.99 |
| Col41 | 19 | 0.45 | 0.99 |
| Col41 | 20 | 0.45 | 0.99 |
| Col41 | 21 | 0.45 | 0.99 |
| Col41 | 22 | 0.45 | 0.99 |
| Col41 | 23 | 0.45 | 0.99 |
| Col41 | 24 | 0.45 | 0.99 |
| Col41 | 25 | 0.45 | 0.99 |
| Col41 | 26 | 0.45 | 0.99 |
| Col41 | 27 | 0.45 | 0.99 |
| Col41 | 28 | -0.55 | 0.99 |
| Col41 | 29 | -0.55 | 0.99 |
| Col41 | 30 | 0.61 | 0.99 |
| Col41 | 31 | 0.61 | 0.99 |
| Col41 | 32 | 0.61 | 0.99 |
| Col41 | 33 | 0.61 | 0.99 |
| Col41 | 34 | 0.61 | 0.99 |
| Col41 | 35 | 0.61 | 0.99 |
| Col41 | 36 | 0.00 | 0.99 |
| Col41 | 37 | 0.00 | 0.99 |
| Col41 | 38 | 0.00 | 0.99 |
| Col41 | 39 | 0.00 | 0.99 |
| Col41 | 40 | 0.00 | 0.99 |
| Col41 | 41 | 0.00 | 0.99 |
| Col41 | 42 | 0.00 | 0.99 |
| Col41 | 43 | 0.00 | 0.99 |
| Col41 | 44 | 0.00 | 0.99 |
| Col41 | 45 | 0.00 | 0.99 |
| Col41 | 46 | 0.00 | 0.99 |

| | | | |
|-------|----|-------|------|
| Col41 | 47 | 0.27 | 0.99 |
| Col41 | 48 | 0.27 | 0.99 |
| Col42 | 1 | 0.00 | 0.99 |
| Col42 | 2 | 0.00 | 0.99 |
| Col42 | 3 | 0.00 | 0.99 |
| Col42 | 4 | 0.00 | 0.99 |
| Col42 | 5 | 0.00 | 0.99 |
| Col42 | 6 | 0.00 | 0.99 |
| Col42 | 7 | 0.00 | 0.99 |
| Col42 | 8 | 0.00 | 0.99 |
| Col42 | 9 | 0.00 | 0.99 |
| Col42 | 10 | 0.00 | 0.99 |
| Col42 | 11 | 0.00 | 0.99 |
| Col42 | 12 | 0.00 | 0.99 |
| Col42 | 13 | 0.00 | 0.99 |
| Col42 | 14 | 0.00 | 0.99 |
| Col42 | 15 | 0.00 | 0.99 |
| Col42 | 16 | 0.00 | 0.99 |
| Col42 | 17 | 0.00 | 0.99 |
| Col42 | 18 | 0.00 | 0.99 |
| Col42 | 19 | 0.00 | 0.99 |
| Col42 | 20 | 0.00 | 0.99 |
| Col42 | 21 | 0.00 | 0.99 |
| Col42 | 22 | 0.00 | 0.99 |
| Col42 | 23 | 0.00 | 0.99 |
| Col42 | 24 | 0.00 | 0.99 |
| Col42 | 25 | 0.00 | 0.99 |
| Col42 | 26 | 0.00 | 0.99 |
| Col42 | 27 | 0.00 | 0.99 |
| Col42 | 28 | 0.00 | 0.99 |
| Col42 | 29 | 0.00 | 0.99 |
| Col42 | 30 | 0.00 | 0.99 |
| Col42 | 31 | 0.00 | 0.99 |
| Col42 | 32 | 0.00 | 0.99 |
| Col42 | 33 | 0.00 | 0.99 |
| Col42 | 34 | 0.00 | 0.99 |
| Col42 | 35 | 0.00 | 0.99 |
| Col42 | 36 | 0.00 | 0.99 |
| Col42 | 37 | 0.00 | 0.99 |
| Col42 | 38 | 0.00 | 0.99 |
| Col42 | 39 | 0.00 | 0.99 |
| Col42 | 40 | 0.00 | 0.99 |
| Col42 | 41 | 0.00 | 0.99 |
| Col42 | 42 | 0.00 | 0.99 |
| Col42 | 43 | 0.00 | 0.99 |
| Col42 | 44 | 0.00 | 0.99 |
| Col42 | 45 | 0.00 | 0.99 |
| Col42 | 46 | 0.00 | 0.99 |
| Col42 | 47 | 0.00 | 0.99 |
| Col42 | 48 | 0.00 | 0.99 |
| Col43 | 1 | 0.00 | 0.99 |
| Col43 | 2 | 0.00 | 0.99 |
| Col43 | 3 | 0.00 | 0.99 |
| Col43 | 4 | 0.00 | 0.99 |
| Col43 | 5 | 0.00 | 0.99 |
| Col43 | 6 | 0.00 | 0.99 |
| Col43 | 7 | 0.00 | 0.99 |
| Col43 | 8 | -0.55 | 0.99 |
| Col43 | 9 | -0.55 | 0.99 |
| Col43 | 10 | 0.61 | 0.99 |
| Col43 | 11 | 0.61 | 0.99 |
| Col43 | 12 | 0.61 | 0.99 |
| Col43 | 13 | 0.61 | 0.99 |
| Col43 | 14 | 0.61 | 0.99 |
| Col43 | 15 | 0.61 | 0.99 |

| | | | |
|-------|----|-------|------|
| Col43 | 16 | 0.45 | 0.99 |
| Col43 | 17 | 0.45 | 0.99 |
| Col43 | 18 | 0.45 | 0.99 |
| Col43 | 19 | 0.45 | 0.99 |
| Col43 | 20 | 0.45 | 0.99 |
| Col43 | 21 | 0.45 | 0.99 |
| Col43 | 22 | 0.45 | 0.99 |
| Col43 | 23 | 0.45 | 0.99 |
| Col43 | 24 | 0.45 | 0.99 |
| Col43 | 25 | 0.45 | 0.99 |
| Col43 | 26 | 0.45 | 0.99 |
| Col43 | 27 | 0.45 | 0.99 |
| Col43 | 28 | -0.55 | 0.99 |
| Col43 | 29 | -0.55 | 0.99 |
| Col43 | 30 | 0.61 | 0.99 |
| Col43 | 31 | 0.61 | 0.99 |
| Col43 | 32 | 0.61 | 0.99 |
| Col43 | 33 | 0.61 | 0.99 |
| Col43 | 34 | 0.61 | 0.99 |
| Col43 | 35 | 0.61 | 0.99 |
| Col43 | 36 | 0.00 | 0.99 |
| Col43 | 37 | 0.00 | 0.99 |
| Col43 | 38 | 0.00 | 0.99 |
| Col43 | 39 | 0.00 | 0.99 |
| Col43 | 40 | 0.00 | 0.99 |
| Col43 | 41 | 0.00 | 0.99 |
| Col43 | 42 | 0.00 | 0.99 |
| Col43 | 43 | 0.00 | 0.99 |
| Col43 | 44 | 0.00 | 0.99 |
| Col43 | 45 | 0.00 | 0.99 |
| Col43 | 46 | 0.00 | 0.99 |
| Col43 | 47 | 0.27 | 0.99 |
| Col43 | 48 | 0.27 | 0.99 |
| Col44 | 1 | 0.00 | 0.99 |
| Col44 | 2 | 0.00 | 0.99 |
| Col44 | 3 | 0.00 | 0.99 |
| Col44 | 4 | 0.00 | 0.99 |
| Col44 | 5 | 0.00 | 0.99 |
| Col44 | 6 | 0.00 | 0.99 |
| Col44 | 7 | 0.00 | 0.99 |
| Col44 | 8 | -0.55 | 0.99 |
| Col44 | 9 | -0.55 | 0.99 |
| Col44 | 10 | 0.61 | 0.99 |
| Col44 | 11 | 0.61 | 0.99 |
| Col44 | 12 | 0.61 | 0.99 |
| Col44 | 13 | 0.61 | 0.99 |
| Col44 | 14 | 0.61 | 0.99 |
| Col44 | 15 | 0.61 | 0.99 |
| Col44 | 16 | 0.45 | 0.99 |
| Col44 | 17 | 0.45 | 0.99 |
| Col44 | 18 | 0.45 | 0.99 |
| Col44 | 19 | 0.45 | 0.99 |
| Col44 | 20 | 0.45 | 0.99 |
| Col44 | 21 | 0.45 | 0.99 |
| Col44 | 22 | 0.45 | 0.99 |
| Col44 | 23 | 0.45 | 0.99 |
| Col44 | 24 | 0.45 | 0.99 |
| Col44 | 25 | 0.45 | 0.99 |
| Col44 | 26 | 0.45 | 0.99 |
| Col44 | 27 | 0.45 | 0.99 |
| Col44 | 28 | -0.55 | 0.99 |
| Col44 | 29 | -0.55 | 0.99 |
| Col44 | 30 | 0.61 | 0.99 |
| Col44 | 31 | 0.61 | 0.99 |
| Col44 | 32 | 0.61 | 0.99 |

| | | | |
|-------|----|------|------|
| Col44 | 33 | 0.61 | 0.99 |
| Col44 | 34 | 0.61 | 0.99 |
| Col44 | 35 | 0.61 | 0.99 |
| Col44 | 36 | 0.00 | 0.99 |
| Col44 | 37 | 0.00 | 0.99 |
| Col44 | 38 | 0.00 | 0.99 |
| Col44 | 39 | 0.00 | 0.99 |
| Col44 | 40 | 0.00 | 0.99 |
| Col44 | 41 | 0.00 | 0.99 |
| Col44 | 42 | 0.00 | 0.99 |
| Col44 | 43 | 0.00 | 0.99 |
| Col44 | 44 | 0.00 | 0.99 |
| Col44 | 45 | 0.00 | 0.99 |
| Col44 | 46 | 0.00 | 0.99 |
| Col44 | 47 | 0.27 | 0.99 |
| Col44 | 48 | 0.27 | 0.99 |
| Col45 | 1 | 0.00 | 0.99 |
| Col45 | 2 | 0.00 | 0.99 |
| Col45 | 3 | 0.00 | 0.99 |
| Col45 | 4 | 0.00 | 0.99 |
| Col45 | 5 | 0.00 | 0.99 |
| Col45 | 6 | 0.00 | 0.99 |
| Col45 | 7 | 0.00 | 0.99 |
| Col45 | 8 | 0.00 | 0.99 |
| Col45 | 9 | 0.00 | 0.99 |
| Col45 | 10 | 0.00 | 0.99 |
| Col45 | 11 | 0.00 | 0.99 |
| Col45 | 12 | 0.00 | 0.99 |
| Col45 | 13 | 0.00 | 0.99 |
| Col45 | 14 | 0.00 | 0.99 |
| Col45 | 15 | 0.00 | 0.99 |
| Col45 | 16 | 0.00 | 0.99 |
| Col45 | 17 | 0.00 | 0.99 |
| Col45 | 18 | 0.00 | 0.99 |
| Col45 | 19 | 0.00 | 0.99 |
| Col45 | 20 | 0.00 | 0.99 |
| Col45 | 21 | 0.00 | 0.99 |
| Col45 | 22 | 0.00 | 0.99 |
| Col45 | 23 | 0.00 | 0.99 |
| Col45 | 24 | 0.00 | 0.99 |
| Col45 | 25 | 0.00 | 0.99 |
| Col45 | 26 | 0.00 | 0.99 |
| Col45 | 27 | 0.00 | 0.99 |
| Col45 | 28 | 0.00 | 0.99 |
| Col45 | 29 | 0.00 | 0.99 |
| Col45 | 30 | 0.00 | 0.99 |
| Col45 | 31 | 0.00 | 0.99 |
| Col45 | 32 | 0.00 | 0.99 |
| Col45 | 33 | 0.00 | 0.99 |
| Col45 | 34 | 0.00 | 0.99 |
| Col45 | 35 | 0.00 | 0.99 |
| Col45 | 36 | 0.00 | 0.99 |
| Col45 | 37 | 0.00 | 0.99 |
| Col45 | 38 | 0.00 | 0.99 |
| Col45 | 39 | 0.00 | 0.99 |
| Col45 | 40 | 0.00 | 0.99 |
| Col45 | 41 | 0.00 | 0.99 |
| Col45 | 42 | 0.00 | 0.99 |
| Col45 | 43 | 0.00 | 0.99 |
| Col45 | 44 | 0.00 | 0.99 |
| Col45 | 45 | 0.00 | 0.99 |
| Col45 | 46 | 0.00 | 0.99 |
| Col45 | 47 | 0.00 | 0.99 |
| Col45 | 48 | 0.00 | 0.99 |
| Col46 | 1 | 0.00 | 0.99 |

| | | | |
|-------|----|-------|------|
| Col46 | 2 | 0.00 | 0.99 |
| Col46 | 3 | 0.00 | 0.99 |
| Col46 | 4 | 0.00 | 0.99 |
| Col46 | 5 | 0.00 | 0.99 |
| Col46 | 6 | 0.00 | 0.99 |
| Col46 | 7 | 0.00 | 0.99 |
| Col46 | 8 | -0.52 | 0.99 |
| Col46 | 9 | -0.52 | 0.99 |
| Col46 | 10 | 0.57 | 0.99 |
| Col46 | 11 | 0.57 | 0.99 |
| Col46 | 12 | 0.57 | 0.99 |
| Col46 | 13 | 0.57 | 0.99 |
| Col46 | 14 | 0.57 | 0.99 |
| Col46 | 15 | 0.57 | 0.99 |
| Col46 | 16 | 0.43 | 0.99 |
| Col46 | 17 | 0.43 | 0.99 |
| Col46 | 18 | 0.43 | 0.99 |
| Col46 | 19 | 0.43 | 0.99 |
| Col46 | 20 | 0.43 | 0.99 |
| Col46 | 21 | 0.43 | 0.99 |
| Col46 | 22 | 0.43 | 0.99 |
| Col46 | 23 | 0.43 | 0.99 |
| Col46 | 24 | 0.43 | 0.99 |
| Col46 | 25 | 0.43 | 0.99 |
| Col46 | 26 | 0.43 | 0.99 |
| Col46 | 27 | 0.43 | 0.99 |
| Col46 | 28 | -0.52 | 0.99 |
| Col46 | 29 | -0.52 | 0.99 |
| Col46 | 30 | 0.57 | 0.99 |
| Col46 | 31 | 0.57 | 0.99 |
| Col46 | 32 | 0.57 | 0.99 |
| Col46 | 33 | 0.57 | 0.99 |
| Col46 | 34 | 0.57 | 0.99 |
| Col46 | 35 | 0.57 | 0.99 |
| Col46 | 36 | 0.00 | 0.99 |
| Col46 | 37 | 0.00 | 0.99 |
| Col46 | 38 | 0.00 | 0.99 |
| Col46 | 39 | 0.00 | 0.99 |
| Col46 | 40 | 0.00 | 0.99 |
| Col46 | 41 | 0.00 | 0.99 |
| Col46 | 42 | 0.00 | 0.99 |
| Col46 | 43 | 0.00 | 0.99 |
| Col46 | 44 | 0.00 | 0.99 |
| Col46 | 45 | 0.00 | 0.99 |
| Col46 | 46 | 0.00 | 0.99 |
| Col46 | 47 | 0.26 | 0.99 |
| Col46 | 48 | 0.26 | 0.99 |
| Col47 | 1 | 0.00 | 0.99 |
| Col47 | 2 | 0.00 | 0.99 |
| Col47 | 3 | 0.00 | 0.99 |
| Col47 | 4 | 0.00 | 0.99 |
| Col47 | 5 | 0.00 | 0.99 |
| Col47 | 6 | 0.00 | 0.99 |
| Col47 | 7 | 0.00 | 0.99 |
| Col47 | 8 | -0.52 | 0.99 |
| Col47 | 9 | -0.52 | 0.99 |
| Col47 | 10 | 0.59 | 0.99 |
| Col47 | 11 | 0.59 | 0.99 |
| Col47 | 12 | 0.59 | 0.99 |
| Col47 | 13 | 0.59 | 0.99 |
| Col47 | 14 | 0.59 | 0.99 |
| Col47 | 15 | 0.59 | 0.99 |
| Col47 | 16 | 0.44 | 0.99 |
| Col47 | 17 | 0.44 | 0.99 |
| Col47 | 18 | 0.44 | 0.99 |

| | | | |
|-------|----|-------|------|
| Col47 | 19 | 0.44 | 0.99 |
| Col47 | 20 | 0.44 | 0.99 |
| Col47 | 21 | 0.44 | 0.99 |
| Col47 | 22 | 0.44 | 0.99 |
| Col47 | 23 | 0.44 | 0.99 |
| Col47 | 24 | 0.44 | 0.99 |
| Col47 | 25 | 0.44 | 0.99 |
| Col47 | 26 | 0.44 | 0.99 |
| Col47 | 27 | 0.44 | 0.99 |
| Col47 | 28 | -0.52 | 0.99 |
| Col47 | 29 | -0.52 | 0.99 |
| Col47 | 30 | 0.59 | 0.99 |
| Col47 | 31 | 0.59 | 0.99 |
| Col47 | 32 | 0.59 | 0.99 |
| Col47 | 33 | 0.59 | 0.99 |
| Col47 | 34 | 0.59 | 0.99 |
| Col47 | 35 | 0.59 | 0.99 |
| Col47 | 36 | 0.00 | 0.99 |
| Col47 | 37 | 0.00 | 0.99 |
| Col47 | 38 | 0.00 | 0.99 |
| Col47 | 39 | 0.00 | 0.99 |
| Col47 | 40 | 0.00 | 0.99 |
| Col47 | 41 | 0.00 | 0.99 |
| Col47 | 42 | 0.00 | 0.99 |
| Col47 | 43 | 0.00 | 0.99 |
| Col47 | 44 | 0.00 | 0.99 |
| Col47 | 45 | 0.00 | 0.99 |
| Col47 | 46 | 0.00 | 0.99 |
| Col47 | 47 | 0.26 | 0.99 |
| Col47 | 48 | 0.26 | 0.99 |
| Col48 | 1 | 0.00 | 0.99 |
| Col48 | 2 | 0.00 | 0.99 |
| Col48 | 3 | 0.00 | 0.99 |
| Col48 | 4 | 0.00 | 0.99 |
| Col48 | 5 | 0.00 | 0.99 |
| Col48 | 6 | 0.00 | 0.99 |
| Col48 | 7 | 0.00 | 0.99 |
| Col48 | 8 | -0.26 | 0.99 |
| Col48 | 9 | -0.26 | 0.99 |
| Col48 | 10 | 0.30 | 0.99 |
| Col48 | 11 | 0.30 | 0.99 |
| Col48 | 12 | 0.30 | 0.99 |
| Col48 | 13 | 0.30 | 0.99 |
| Col48 | 14 | 0.30 | 0.99 |
| Col48 | 15 | 0.30 | 0.99 |
| Col48 | 16 | 0.23 | 0.99 |
| Col48 | 17 | 0.23 | 0.99 |
| Col48 | 18 | 0.23 | 0.99 |
| Col48 | 19 | 0.23 | 0.99 |
| Col48 | 20 | 0.23 | 0.99 |
| Col48 | 21 | 0.23 | 0.99 |
| Col48 | 22 | 0.23 | 0.99 |
| Col48 | 23 | 0.23 | 0.99 |
| Col48 | 24 | 0.23 | 0.99 |
| Col48 | 25 | 0.23 | 0.99 |
| Col48 | 26 | 0.23 | 0.99 |
| Col48 | 27 | 0.23 | 0.99 |
| Col48 | 28 | -0.26 | 0.99 |
| Col48 | 29 | -0.26 | 0.99 |
| Col48 | 30 | 0.30 | 0.99 |
| Col48 | 31 | 0.30 | 0.99 |
| Col48 | 32 | 0.30 | 0.99 |
| Col48 | 33 | 0.30 | 0.99 |
| Col48 | 34 | 0.30 | 0.99 |
| Col48 | 35 | 0.30 | 0.99 |

| | | | |
|-------|----|------|------|
| Col48 | 36 | 0.00 | 0.99 |
| Col48 | 37 | 0.00 | 0.99 |
| Col48 | 38 | 0.00 | 0.99 |
| Col48 | 39 | 0.00 | 0.99 |
| Col48 | 40 | 0.00 | 0.99 |
| Col48 | 41 | 0.00 | 0.99 |
| Col48 | 42 | 0.00 | 0.99 |
| Col48 | 43 | 0.00 | 0.99 |
| Col48 | 44 | 0.00 | 0.99 |
| Col48 | 45 | 0.00 | 0.99 |
| Col48 | 46 | 0.00 | 0.99 |
| Col48 | 47 | 0.14 | 0.99 |
| Col48 | 48 | 0.14 | 0.99 |

RAFTER DEFLECTIONS:

| Id | Load | Deflection (in) | |
|------|------|-----------------|-------|
| | Id | Calc | Limit |
| Raf7 | 1 | 0.00 | 0.36 |
| Raf7 | 2 | 0.00 | 0.36 |
| Raf7 | 3 | 0.00 | 0.36 |
| Raf7 | 4 | 0.00 | 0.36 |
| Raf7 | 5 | 0.00 | 0.36 |
| Raf7 | 6 | 0.00 | 0.36 |
| Raf7 | 7 | 0.00 | 0.36 |
| Raf7 | 8 | 0.00 | 0.36 |
| Raf7 | 9 | 0.00 | 0.36 |
| Raf7 | 10 | 0.00 | 0.36 |
| Raf7 | 11 | 0.00 | 0.36 |
| Raf7 | 12 | 0.00 | 0.36 |
| Raf7 | 13 | 0.00 | 0.36 |
| Raf7 | 14 | 0.00 | 0.36 |
| Raf7 | 15 | 0.00 | 0.36 |
| Raf7 | 16 | 0.00 | 0.36 |
| Raf7 | 17 | 0.00 | 0.36 |
| Raf7 | 18 | 0.00 | 0.36 |
| Raf7 | 19 | 0.00 | 0.36 |
| Raf7 | 20 | 0.00 | 0.36 |
| Raf7 | 21 | 0.00 | 0.36 |
| Raf7 | 22 | 0.00 | 0.36 |
| Raf7 | 23 | 0.00 | 0.36 |
| Raf7 | 24 | 0.00 | 0.36 |
| Raf7 | 25 | 0.00 | 0.36 |
| Raf7 | 26 | 0.00 | 0.36 |
| Raf7 | 27 | 0.00 | 0.36 |
| Raf7 | 28 | 0.00 | 0.36 |
| Raf7 | 29 | 0.00 | 0.36 |
| Raf7 | 30 | 0.00 | 0.36 |
| Raf7 | 31 | 0.00 | 0.36 |
| Raf7 | 32 | 0.00 | 0.36 |
| Raf7 | 33 | 0.00 | 0.36 |
| Raf7 | 34 | 0.00 | 0.36 |
| Raf7 | 35 | 0.00 | 0.36 |
| Raf7 | 36 | 0.00 | 0.36 |
| Raf7 | 37 | 0.00 | 0.36 |
| Raf7 | 38 | 0.00 | 0.36 |
| Raf7 | 39 | 0.00 | 0.36 |
| Raf7 | 40 | 0.00 | 0.36 |
| Raf7 | 41 | 0.00 | 0.36 |
| Raf7 | 42 | 0.00 | 0.36 |
| Raf7 | 43 | 0.00 | 0.36 |
| Raf7 | 44 | 0.00 | 0.36 |
| Raf7 | 45 | 0.00 | 0.36 |
| Raf7 | 46 | 0.00 | 0.36 |

| | | | |
|------|----|------|------|
| Raf7 | 47 | 0.00 | 0.36 |
| Raf7 | 48 | 0.00 | 0.36 |
| Raf8 | 1 | 0.00 | 0.38 |
| Raf8 | 2 | 0.00 | 0.38 |
| Raf8 | 3 | 0.00 | 0.38 |
| Raf8 | 4 | 0.00 | 0.38 |
| Raf8 | 5 | 0.00 | 0.38 |
| Raf8 | 6 | 0.00 | 0.38 |
| Raf8 | 7 | 0.00 | 0.38 |
| Raf8 | 8 | 0.00 | 0.38 |
| Raf8 | 9 | 0.00 | 0.38 |
| Raf8 | 10 | 0.00 | 0.38 |
| Raf8 | 11 | 0.00 | 0.38 |
| Raf8 | 12 | 0.00 | 0.38 |
| Raf8 | 13 | 0.00 | 0.38 |
| Raf8 | 14 | 0.00 | 0.38 |
| Raf8 | 15 | 0.00 | 0.38 |
| Raf8 | 16 | 0.00 | 0.38 |
| Raf8 | 17 | 0.00 | 0.38 |
| Raf8 | 18 | 0.00 | 0.38 |
| Raf8 | 19 | 0.00 | 0.38 |
| Raf8 | 20 | 0.00 | 0.38 |
| Raf8 | 21 | 0.00 | 0.38 |
| Raf8 | 22 | 0.00 | 0.38 |
| Raf8 | 23 | 0.00 | 0.38 |
| Raf8 | 24 | 0.00 | 0.38 |
| Raf8 | 25 | 0.00 | 0.38 |
| Raf8 | 26 | 0.00 | 0.38 |
| Raf8 | 27 | 0.00 | 0.38 |
| Raf8 | 28 | 0.00 | 0.38 |
| Raf8 | 29 | 0.00 | 0.38 |
| Raf8 | 30 | 0.00 | 0.38 |
| Raf8 | 31 | 0.00 | 0.38 |
| Raf8 | 32 | 0.00 | 0.38 |
| Raf8 | 33 | 0.00 | 0.38 |
| Raf8 | 34 | 0.00 | 0.38 |
| Raf8 | 35 | 0.00 | 0.38 |
| Raf8 | 36 | 0.00 | 0.38 |
| Raf8 | 37 | 0.00 | 0.38 |
| Raf8 | 38 | 0.00 | 0.38 |
| Raf8 | 39 | 0.00 | 0.38 |
| Raf8 | 40 | 0.00 | 0.38 |
| Raf8 | 41 | 0.00 | 0.38 |
| Raf8 | 42 | 0.00 | 0.38 |
| Raf8 | 43 | 0.00 | 0.38 |
| Raf8 | 44 | 0.00 | 0.38 |
| Raf8 | 45 | 0.00 | 0.38 |
| Raf8 | 46 | 0.00 | 0.38 |
| Raf8 | 47 | 0.00 | 0.38 |
| Raf8 | 48 | 0.00 | 0.38 |
| Raf9 | 1 | 0.00 | 0.38 |
| Raf9 | 2 | 0.00 | 0.38 |
| Raf9 | 3 | 0.00 | 0.38 |
| Raf9 | 4 | 0.00 | 0.38 |
| Raf9 | 5 | 0.00 | 0.38 |
| Raf9 | 6 | 0.00 | 0.38 |
| Raf9 | 7 | 0.00 | 0.38 |
| Raf9 | 8 | 0.00 | 0.38 |
| Raf9 | 9 | 0.00 | 0.38 |
| Raf9 | 10 | 0.00 | 0.38 |
| Raf9 | 11 | 0.00 | 0.38 |
| Raf9 | 12 | 0.00 | 0.38 |
| Raf9 | 13 | 0.00 | 0.38 |
| Raf9 | 14 | 0.00 | 0.38 |
| Raf9 | 15 | 0.00 | 0.38 |

| | | | |
|-------|----|------|------|
| Raf9 | 16 | 0.00 | 0.38 |
| Raf9 | 17 | 0.00 | 0.38 |
| Raf9 | 18 | 0.00 | 0.38 |
| Raf9 | 19 | 0.00 | 0.38 |
| Raf9 | 20 | 0.00 | 0.38 |
| Raf9 | 21 | 0.00 | 0.38 |
| Raf9 | 22 | 0.00 | 0.38 |
| Raf9 | 23 | 0.00 | 0.38 |
| Raf9 | 24 | 0.00 | 0.38 |
| Raf9 | 25 | 0.00 | 0.38 |
| Raf9 | 26 | 0.00 | 0.38 |
| Raf9 | 27 | 0.00 | 0.38 |
| Raf9 | 28 | 0.00 | 0.38 |
| Raf9 | 29 | 0.00 | 0.38 |
| Raf9 | 30 | 0.00 | 0.38 |
| Raf9 | 31 | 0.00 | 0.38 |
| Raf9 | 32 | 0.00 | 0.38 |
| Raf9 | 33 | 0.00 | 0.38 |
| Raf9 | 34 | 0.00 | 0.38 |
| Raf9 | 35 | 0.00 | 0.38 |
| Raf9 | 36 | 0.00 | 0.38 |
| Raf9 | 37 | 0.00 | 0.38 |
| Raf9 | 38 | 0.00 | 0.38 |
| Raf9 | 39 | 0.00 | 0.38 |
| Raf9 | 40 | 0.00 | 0.38 |
| Raf9 | 41 | 0.00 | 0.38 |
| Raf9 | 42 | 0.00 | 0.38 |
| Raf9 | 43 | 0.00 | 0.38 |
| Raf9 | 44 | 0.00 | 0.38 |
| Raf9 | 45 | 0.00 | 0.38 |
| Raf9 | 46 | 0.00 | 0.38 |
| Raf9 | 47 | 0.00 | 0.38 |
| Raf9 | 48 | 0.00 | 0.38 |
| Raf10 | 1 | 0.00 | 0.38 |
| Raf10 | 2 | 0.00 | 0.38 |
| Raf10 | 3 | 0.00 | 0.38 |
| Raf10 | 4 | 0.00 | 0.38 |
| Raf10 | 5 | 0.00 | 0.38 |
| Raf10 | 6 | 0.00 | 0.38 |
| Raf10 | 7 | 0.00 | 0.38 |
| Raf10 | 8 | 0.00 | 0.38 |
| Raf10 | 9 | 0.00 | 0.38 |
| Raf10 | 10 | 0.00 | 0.38 |
| Raf10 | 11 | 0.00 | 0.38 |
| Raf10 | 12 | 0.00 | 0.38 |
| Raf10 | 13 | 0.00 | 0.38 |
| Raf10 | 14 | 0.00 | 0.38 |
| Raf10 | 15 | 0.00 | 0.38 |
| Raf10 | 16 | 0.00 | 0.38 |
| Raf10 | 17 | 0.00 | 0.38 |
| Raf10 | 18 | 0.00 | 0.38 |
| Raf10 | 19 | 0.00 | 0.38 |
| Raf10 | 20 | 0.00 | 0.38 |
| Raf10 | 21 | 0.00 | 0.38 |
| Raf10 | 22 | 0.00 | 0.38 |
| Raf10 | 23 | 0.00 | 0.38 |
| Raf10 | 24 | 0.00 | 0.38 |
| Raf10 | 25 | 0.00 | 0.38 |
| Raf10 | 26 | 0.00 | 0.38 |
| Raf10 | 27 | 0.00 | 0.38 |
| Raf10 | 28 | 0.00 | 0.38 |
| Raf10 | 29 | 0.00 | 0.38 |
| Raf10 | 30 | 0.00 | 0.38 |
| Raf10 | 31 | 0.00 | 0.38 |
| Raf10 | 32 | 0.00 | 0.38 |

| | | | |
|-------|----|------|------|
| Raf10 | 33 | 0.00 | 0.38 |
| Raf10 | 34 | 0.00 | 0.38 |
| Raf10 | 35 | 0.00 | 0.38 |
| Raf10 | 36 | 0.00 | 0.38 |
| Raf10 | 37 | 0.00 | 0.38 |
| Raf10 | 38 | 0.00 | 0.38 |
| Raf10 | 39 | 0.00 | 0.38 |
| Raf10 | 40 | 0.00 | 0.38 |
| Raf10 | 41 | 0.00 | 0.38 |
| Raf10 | 42 | 0.00 | 0.38 |
| Raf10 | 43 | 0.00 | 0.38 |
| Raf10 | 44 | 0.00 | 0.38 |
| Raf10 | 45 | 0.00 | 0.38 |
| Raf10 | 46 | 0.00 | 0.38 |
| Raf10 | 47 | 0.00 | 0.38 |
| Raf10 | 48 | 0.00 | 0.38 |
| Raf11 | 1 | 0.00 | 0.38 |
| Raf11 | 2 | 0.00 | 0.38 |
| Raf11 | 3 | 0.00 | 0.38 |
| Raf11 | 4 | 0.00 | 0.38 |
| Raf11 | 5 | 0.00 | 0.38 |
| Raf11 | 6 | 0.00 | 0.38 |
| Raf11 | 7 | 0.00 | 0.38 |
| Raf11 | 8 | 0.00 | 0.38 |
| Raf11 | 9 | 0.00 | 0.38 |
| Raf11 | 10 | 0.00 | 0.38 |
| Raf11 | 11 | 0.00 | 0.38 |
| Raf11 | 12 | 0.00 | 0.38 |
| Raf11 | 13 | 0.00 | 0.38 |
| Raf11 | 14 | 0.00 | 0.38 |
| Raf11 | 15 | 0.00 | 0.38 |
| Raf11 | 16 | 0.00 | 0.38 |
| Raf11 | 17 | 0.00 | 0.38 |
| Raf11 | 18 | 0.00 | 0.38 |
| Raf11 | 19 | 0.00 | 0.38 |
| Raf11 | 20 | 0.00 | 0.38 |
| Raf11 | 21 | 0.00 | 0.38 |
| Raf11 | 22 | 0.00 | 0.38 |
| Raf11 | 23 | 0.00 | 0.38 |
| Raf11 | 24 | 0.00 | 0.38 |
| Raf11 | 25 | 0.00 | 0.38 |
| Raf11 | 26 | 0.00 | 0.38 |
| Raf11 | 27 | 0.00 | 0.38 |
| Raf11 | 28 | 0.00 | 0.38 |
| Raf11 | 29 | 0.00 | 0.38 |
| Raf11 | 30 | 0.00 | 0.38 |
| Raf11 | 31 | 0.00 | 0.38 |
| Raf11 | 32 | 0.00 | 0.38 |
| Raf11 | 33 | 0.00 | 0.38 |
| Raf11 | 34 | 0.00 | 0.38 |
| Raf11 | 35 | 0.00 | 0.38 |
| Raf11 | 36 | 0.00 | 0.38 |
| Raf11 | 37 | 0.00 | 0.38 |
| Raf11 | 38 | 0.00 | 0.38 |
| Raf11 | 39 | 0.00 | 0.38 |
| Raf11 | 40 | 0.00 | 0.38 |
| Raf11 | 41 | 0.00 | 0.38 |
| Raf11 | 42 | 0.00 | 0.38 |
| Raf11 | 43 | 0.00 | 0.38 |
| Raf11 | 44 | 0.00 | 0.38 |
| Raf11 | 45 | 0.00 | 0.38 |
| Raf11 | 46 | 0.00 | 0.38 |
| Raf11 | 47 | 0.00 | 0.38 |
| Raf11 | 48 | 0.00 | 0.38 |
| Raf12 | 1 | 0.00 | 0.36 |

| | | | |
|-------|----|------|------|
| Raf12 | 2 | 0.00 | 0.36 |
| Raf12 | 3 | 0.00 | 0.36 |
| Raf12 | 4 | 0.00 | 0.36 |
| Raf12 | 5 | 0.00 | 0.36 |
| Raf12 | 6 | 0.00 | 0.36 |
| Raf12 | 7 | 0.00 | 0.36 |
| Raf12 | 8 | 0.00 | 0.36 |
| Raf12 | 9 | 0.00 | 0.36 |
| Raf12 | 10 | 0.00 | 0.36 |
| Raf12 | 11 | 0.00 | 0.36 |
| Raf12 | 12 | 0.00 | 0.36 |
| Raf12 | 13 | 0.00 | 0.36 |
| Raf12 | 14 | 0.00 | 0.36 |
| Raf12 | 15 | 0.00 | 0.36 |
| Raf12 | 16 | 0.00 | 0.36 |
| Raf12 | 17 | 0.00 | 0.36 |
| Raf12 | 18 | 0.00 | 0.36 |
| Raf12 | 19 | 0.00 | 0.36 |
| Raf12 | 20 | 0.00 | 0.36 |
| Raf12 | 21 | 0.00 | 0.36 |
| Raf12 | 22 | 0.00 | 0.36 |
| Raf12 | 23 | 0.00 | 0.36 |
| Raf12 | 24 | 0.00 | 0.36 |
| Raf12 | 25 | 0.00 | 0.36 |
| Raf12 | 26 | 0.00 | 0.36 |
| Raf12 | 27 | 0.00 | 0.36 |
| Raf12 | 28 | 0.00 | 0.36 |
| Raf12 | 29 | 0.00 | 0.36 |
| Raf12 | 30 | 0.00 | 0.36 |
| Raf12 | 31 | 0.00 | 0.36 |
| Raf12 | 32 | 0.00 | 0.36 |
| Raf12 | 33 | 0.00 | 0.36 |
| Raf12 | 34 | 0.00 | 0.36 |
| Raf12 | 35 | 0.00 | 0.36 |
| Raf12 | 36 | 0.00 | 0.36 |
| Raf12 | 37 | 0.00 | 0.36 |
| Raf12 | 38 | 0.00 | 0.36 |
| Raf12 | 39 | 0.00 | 0.36 |
| Raf12 | 40 | 0.00 | 0.36 |
| Raf12 | 41 | 0.00 | 0.36 |
| Raf12 | 42 | 0.00 | 0.36 |
| Raf12 | 43 | 0.00 | 0.36 |
| Raf12 | 44 | 0.00 | 0.36 |
| Raf12 | 45 | 0.00 | 0.36 |
| Raf12 | 46 | 0.00 | 0.36 |
| Raf12 | 47 | 0.00 | 0.36 |
| Raf12 | 48 | 0.00 | 0.36 |

COLUMN KL/R RATIO, MOMENT REDUCTION:

| Id | Major (ft) | --Minor (ft)-- | | ----KL/R---- | | Available Reduction Factor | |
|-------|---------------|----------------|-------|--------------|-------|----------------------------------|------|
| | | Bend | Axial | Major | Minor | Out | In |
| Col30 | 14.8 | 3.8 | 3.8 | 77 | 61 | 0.00 | 0.00 |
| Col31 | 14.8 | 3.8 | 3.8 | 77 | 61 | 0.00 | 0.00 |
| Col32 | 14.8 | 3.8 | 3.8 | 77 | 61 | 0.00 | 0.00 |
| Col33 | 0.1 | 3.8 | 3.8 | 1 | 61 | 0.00 | 0.00 |
| Col34 | 14.8 | 3.8 | 3.8 | 77 | 61 | 0.00 | 0.00 |
| Col35 | 14.8 | 3.8 | 3.8 | 77 | 61 | 0.00 | 0.00 |
| Col36 | 0.1 | 3.8 | 3.8 | 1 | 61 | 0.00 | 0.00 |
| Col37 | 14.8 | 3.8 | 3.8 | 77 | 61 | 0.00 | 0.00 |
| Col38 | 14.8 | 3.8 | 3.8 | 77 | 61 | 0.00 | 0.00 |
| Col39 | 0.1 | 3.8 | 3.8 | 1 | 61 | 0.00 | 0.00 |
| Col40 | 14.8 | 3.8 | 3.8 | 77 | 61 | 0.00 | 0.00 |

| | | | | | | | |
|-------|------|-----|-----|----|----|------|------|
| Co141 | 14.8 | 3.8 | 3.8 | 77 | 61 | 0.00 | 0.00 |
| Co142 | 0.1 | 3.8 | 3.8 | 1 | 61 | 0.00 | 0.00 |
| Co143 | 14.8 | 3.8 | 3.8 | 77 | 61 | 0.00 | 0.00 |
| Co144 | 14.8 | 3.8 | 3.8 | 77 | 61 | 0.00 | 0.00 |
| Co145 | 0.1 | 3.8 | 3.8 | 1 | 61 | 0.00 | 0.00 |
| Co146 | 14.8 | 3.8 | 3.8 | 77 | 61 | 0.00 | 0.00 |
| Co147 | 14.8 | 3.8 | 3.8 | 77 | 61 | 0.00 | 0.00 |
| Co148 | 14.8 | 3.8 | 3.8 | 77 | 61 | 0.00 | 0.00 |

GIRT LAYOUT:

| Bay Id | Girt Id | Locate | Part | Design Length | Available Reduction Factor | |
|-----------|------------|--------|--------|------------------|----------------------------------|------|
| | | | | | Out | In |
| 1 | 1 | 3.667 | 6X2C16 | 4.833 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 4.833 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 4.833 | 0.00 | 0.70 |
| 2 | 1 | 3.667 | 6X2C16 | 4.833 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 4.833 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 4.833 | 0.00 | 0.70 |
| 3 | 1 | 3.667 | 6X2C16 | 4.833 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 4.833 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 4.833 | 0.00 | 0.70 |
| 4 | 1 | 3.667 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| 5 | 1 | 3.667 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| 6 | 1 | 3.667 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| 7 | 1 | 3.667 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| 8 | 1 | 3.667 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| 9 | 1 | 3.667 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| 10 | 1 | 3.667 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| 11 | 1 | 3.667 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| 12 | 1 | 3.667 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| 13 | 1 | 3.667 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| 14 | 1 | 3.667 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| 15 | 1 | 3.667 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 5.167 | 0.00 | 0.70 |
| 16 | 1 | 3.667 | 6X2C16 | 4.833 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 4.833 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 4.833 | 0.00 | 0.70 |
| 17 | 1 | 3.667 | 6X2C16 | 4.833 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 4.833 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 4.833 | 0.00 | 0.70 |
| 18 | 1 | 3.667 | 6X2C16 | 4.958 | 0.00 | 0.70 |
| | 2 | 7.333 | 6X2C16 | 4.958 | 0.00 | 0.70 |
| | 3 | 11.000 | 6X2C16 | 4.958 | 0.00 | 0.70 |

GIRT ACTIONS:

| Bay Id | Girt Id | Load | -Shear(k)- | | Moment(f-k) | | Max UC | Deflect(in) | |
|--------|---------|------|-------------|-------|--------------|-------|--------|-------------|-------|
| | | | Calc | Limit | Calc | Limit | | Calc | Limit |
| 1 | 1 | WP | -0.09 | 3.32 | -0.11 | 2.65 | 0.04 | 0.00 | 0.64 |
| | | WS | 0.10 | 3.32 | 0.13 | 2.65 | 0.05 | 0.00 | 0.64 |
| | 3 | WP | -0.09 | 3.32 | -0.11 | 2.65 | 0.04 | 0.00 | 0.64 |
| | | WS | 0.11 | 3.32 | 0.13 | 2.65 | 0.05 | 0.00 | 0.64 |
| 2 | 1 | WP | -0.09 | 3.32 | -0.11 | 2.65 | 0.04 | 0.00 | 0.64 |
| | | WS | 0.10 | 3.32 | 0.12 | 2.65 | 0.04 | 0.00 | 0.64 |
| 3 | 1 | WP | -0.09 | 3.32 | -0.11 | 2.65 | 0.04 | 0.00 | 0.64 |
| | | WS | 0.10 | 3.32 | 0.12 | 2.65 | 0.04 | 0.00 | 0.64 |
| 4 | 1 | WP | -0.09 | 3.32 | -0.12 | 2.65 | 0.05 | 0.00 | 0.69 |
| | | WS | 0.10 | 3.32 | 0.13 | 2.65 | 0.05 | 0.00 | 0.69 |
| | 3 | WP | -0.10 | 3.32 | -0.12 | 2.65 | 0.05 | 0.00 | 0.69 |
| | | WS | 0.11 | 3.32 | 0.14 | 2.65 | 0.05 | 0.00 | 0.69 |
| 5 | 1 | WP | -0.09 | 3.32 | -0.12 | 2.65 | 0.05 | 0.00 | 0.69 |
| | | WS | 0.10 | 3.32 | 0.13 | 2.65 | 0.05 | 0.00 | 0.69 |
| | 3 | WP | -0.10 | 3.32 | -0.12 | 2.65 | 0.05 | 0.00 | 0.69 |
| | | WS | 0.11 | 3.32 | 0.14 | 2.65 | 0.05 | 0.00 | 0.69 |
| 6 | 1 | WP | -0.09 | 3.32 | -0.12 | 2.65 | 0.05 | 0.00 | 0.69 |
| | | WS | 0.10 | 3.32 | 0.13 | 2.65 | 0.05 | 0.00 | 0.69 |
| | 3 | WP | -0.10 | 3.32 | -0.12 | 2.65 | 0.05 | 0.00 | 0.69 |
| | | WS | 0.11 | 3.32 | 0.14 | 2.65 | 0.05 | 0.00 | 0.69 |
| 7 | 1 | WP | -0.09 | 3.32 | -0.12 | 2.65 | 0.05 | 0.00 | 0.69 |
| | | WS | 0.10 | 3.32 | 0.13 | 2.65 | 0.05 | 0.00 | 0.69 |
| | 3 | WP | -0.10 | 3.32 | -0.12 | 2.65 | 0.05 | 0.00 | 0.69 |
| | | WS | 0.11 | 3.32 | 0.14 | 2.65 | 0.05 | 0.00 | 0.69 |
| 8 | 1 | WP | -0.09 | 3.32 | -0.12 | 2.65 | 0.05 | 0.00 | 0.69 |
| | | WS | 0.10 | 3.32 | 0.13 | 2.65 | 0.05 | 0.00 | 0.69 |
| | 3 | WP | -0.10 | 3.32 | -0.12 | 2.65 | 0.05 | 0.00 | 0.69 |
| | | WS | 0.11 | 3.32 | 0.14 | 2.65 | 0.05 | 0.00 | 0.69 |
| 9 | 1 | WP | -0.09 | 3.32 | -0.12 | 2.65 | 0.05 | 0.00 | 0.69 |
| | | WS | 0.10 | 3.32 | 0.13 | 2.65 | 0.05 | 0.00 | 0.69 |
| | 3 | WP | -0.10 | 3.32 | -0.12 | 2.65 | 0.05 | 0.00 | 0.69 |
| | | WS | 0.11 | 3.32 | 0.14 | 2.65 | 0.05 | 0.00 | 0.69 |
| 10 | 1 | WP | -0.09 | 3.32 | -0.12 | 2.65 | 0.05 | 0.00 | 0.69 |
| | | WS | 0.10 | 3.32 | 0.13 | 2.65 | 0.05 | 0.00 | 0.69 |
| | 3 | WP | -0.10 | 3.32 | -0.12 | 2.65 | 0.05 | 0.00 | 0.69 |
| | | WS | 0.11 | 3.32 | 0.14 | 2.65 | 0.05 | 0.00 | 0.69 |
| 11 | 1 | WP | -0.09 | 3.32 | -0.12 | 2.65 | 0.05 | 0.00 | 0.69 |
| | | WS | 0.10 | 3.32 | 0.13 | 2.65 | 0.05 | 0.00 | 0.69 |
| | 3 | WP | -0.10 | 3.32 | -0.12 | 2.65 | 0.05 | 0.00 | 0.69 |
| | | WS | 0.11 | 3.32 | 0.14 | 2.65 | 0.05 | 0.00 | 0.69 |
| 12 | 1 | WP | -0.09 | 3.32 | -0.12 | 2.65 | 0.05 | 0.00 | 0.69 |
| | | WS | 0.10 | 3.32 | 0.13 | 2.65 | 0.05 | 0.00 | 0.69 |
| | 3 | WP | -0.10 | 3.32 | -0.12 | 2.65 | 0.05 | 0.00 | 0.69 |
| | | WS | 0.11 | 3.32 | 0.14 | 2.65 | 0.05 | 0.00 | 0.69 |
| 13 | 1 | WP | -0.09 | 3.32 | -0.12 | 2.65 | 0.05 | 0.00 | 0.69 |
| | | WS | 0.10 | 3.32 | 0.13 | 2.65 | 0.05 | 0.00 | 0.69 |
| | 3 | WP | -0.10 | 3.32 | -0.12 | 2.65 | 0.05 | 0.00 | 0.69 |
| | | WS | 0.11 | 3.32 | 0.14 | 2.65 | 0.05 | 0.00 | 0.69 |
| 14 | 1 | WP | -0.09 | 3.32 | -0.12 | 2.65 | 0.05 | 0.00 | 0.69 |
| | | WS | 0.10 | 3.32 | 0.13 | 2.65 | 0.05 | 0.00 | 0.69 |
| | 3 | WP | -0.10 | 3.32 | -0.12 | 2.65 | 0.05 | 0.00 | 0.69 |
| | | WS | 0.11 | 3.32 | 0.14 | 2.65 | 0.05 | 0.00 | 0.69 |
| 15 | 1 | WP | -0.09 | 3.32 | -0.12 | 2.65 | 0.05 | 0.00 | 0.69 |
| | | WS | 0.10 | 3.32 | 0.13 | 2.65 | 0.05 | 0.00 | 0.69 |
| | 3 | WP | -0.10 | 3.32 | -0.12 | 2.65 | 0.05 | 0.00 | 0.69 |
| | | WS | 0.11 | 3.32 | 0.14 | 2.65 | 0.05 | 0.00 | 0.69 |
| 16 | 1 | WP | -0.09 | 3.32 | -0.11 | 2.65 | 0.04 | 0.00 | 0.64 |
| | | WS | 0.10 | 3.32 | 0.12 | 2.65 | 0.04 | 0.00 | 0.64 |
| 17 | 1 | WP | -0.09 | 3.32 | -0.11 | 2.65 | 0.04 | 0.00 | 0.64 |
| | | WS | 0.10 | 3.32 | 0.12 | 2.65 | 0.04 | 0.00 | 0.64 |
| 18 | 1 | WP | -0.09 | 3.32 | -0.11 | 2.65 | 0.04 | 0.00 | 0.66 |

WS 0.11 3.32 0.13 2.65 0.05 0.00 0.66

WP - Wind_Pressure

WS - Wind_Suction

=====
6 and 7 Back SW - Wall Panel Design 8/26/22 8:48am
=====

PANEL DATA:

| Bay | Part | Type | Gage | Yield |
|-----|---------|------|-------|-------|
| 1 | CUSPANL | CP | 20.00 | 50.0 |

MOMENTS & DEFLECTION:

| Span Id | Locate(ft) | | Load | -----Moment (ft-lb/ft)----- | | | | | | Max UC | Deflect(in) | |
|---------|------------|-------|------|-----------------------------|-------------|--------------|---------------|----------|-----------|--------|-------------|-------|
| | Start | End | | Start Calc | Start Limit | Midspan Calc | Midspan Limit | End Calc | End Limit | | Calc | Limit |
| 1 | 0.00 | 3.67 | WP | 0.0 | 49.1 | -12.7 | 49.1 | 17.8 | 38.1 | 0.47 | -0.11 | 0.73 |
| | | | WS | 0.0 | 38.1 | 17.0 | 38.1 | -23.7 | 49.1 | 0.48 | 0.14 | 0.73 |
| 2 | 3.67 | 7.33 | WP | 17.8 | 38.1 | -6.1 | 49.1 | 11.6 | 38.1 | 0.47 | -0.03 | 0.73 |
| | | | WS | -23.7 | 49.1 | 8.1 | 38.1 | -15.4 | 49.1 | 0.48 | 0.04 | 0.73 |
| 3 | 7.33 | 11.00 | WP | 11.6 | 38.1 | -5.7 | 49.1 | 18.6 | 38.1 | 0.49 | -0.03 | 0.73 |
| | | | WS | -15.4 | 49.1 | 7.7 | 38.1 | -24.7 | 49.1 | 0.50 | 0.04 | 0.73 |
| 4 | 11.00 | 14.79 | WP | 18.6 | 38.1 | -13.8 | 49.1 | 0.0 | 38.1 | 0.49 | -0.13 | 0.76 |
| | | | WS | -24.7 | 49.1 | 18.4 | 38.1 | 0.0 | 38.1 | 0.50 | 0.17 | 0.76 |

WP - Wind_Pressure

WS - Wind_Suction

PANEL:

| Part | Thick (in) | Yield (ksi) | Tensile Strength (ksi) |
|---------|---------------|-----------------|-------------------------------|
| CUSPANL | 0.038 | 50.00 | 65.00 |

GIRT SCREWS:

| Part | Dia (in) | Washer (in) | Limit (k) |
|------|-------------|----------------|---------------|
| #29 | 0.21 | 0.50 | 2.90 |

PANEL ZONE LAYOUT:

| Zone Id | Description | ---Wall (ft)--- | | Bay Id | --Girt (ft, ft, in)-- | | | Panel Span (ft) |
|------------|-------------|-----------------|---------|-----------|-----------------------|---------------|--------------|-----------------------|
| | | Offset1 | Offset2 | | Locate | Load Width | Min Thick | |
| 1 | Interior | 5.00 | 95.00 | 1 | 11.00 | 3.73 | 0.059 | 3.79 |
| 2 | Lt Edge | 0.00 | 5.00 | 1 | 11.00 | 3.73 | 0.059 | 3.79 |
| 3 | Rt Edge | 95.00 | 100.00 | 18 | 11.00 | 3.73 | 0.059 | 3.79 |

GIRT SCREW CHECK:

| Zone Id | Screw Space | Wind Suction (psf) | Load (k) | -----Limit (k)----- | | | Max UC |
|------------|----------------|---------------------------|--------------|----------------------|-------------------|------------------|-----------|
| | | | | Girt Pullout | Panel Pullover | Screw Tension | |
| 1 | 1.00 | 16.38 | 0.06 | 0.22 | 0.61 | 0.77 | 0.28 |
| 2 | 1.00 | 16.38 | 0.06 | 0.22 | 0.61 | 0.77 | 0.28 |
| 3 | 1.00 | 16.38 | 0.06 | 0.22 | 0.61 | 0.77 | 0.28 |

WALL LAYOUT:

| Wall Id | Orn | LeftEW Offset | BackSW Offset | Wall Length | Load Width |
|---------|-----|---------------|---------------|-------------|------------|
| 6 | T | 16.00 | 0.00 | 50.00 | 17.00 |

MEMBER LAYOUT:

| Id | Locate | | ---Web (in)--- | | -Flange (in)- | | Length (ft) | Weight (lb) | ----Max_Load---- | | |
|--------|--------|--------|----------------|-------|---------------|-------|-------------|-------------|------------------|------|---------|
| | (ft) | Part | Depth | Thick | Width | Thick | | | Id | UC | Report |
| Col150 | 5.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 15.0 | 32.9 | 17 | 0.35 | Mom+Axl |
| Col151 | 10.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 15.3 | 33.4 | 17 | 0.35 | Mom+Axl |
| Col152 | 15.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 15.5 | 33.9 | 17 | 0.36 | Mom+Axl |
| Col153 | 20.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 15.7 | 34.3 | 17 | 0.37 | Mom+Axl |
| Col154 | 25.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 15.9 | 34.8 | 17 | 0.38 | Mom+Axl |
| Col155 | 30.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 16.1 | 35.2 | 17 | 0.39 | Mom+Axl |
| Col156 | 35.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 16.3 | 35.7 | 8 | 0.40 | Deflect |
| Col157 | 40.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 16.5 | 36.1 | 8 | 0.41 | Deflect |
| Col158 | 45.0 | 6X2C16 | 6.00 | 16ga | 2.00 | 16ga | 16.7 | 36.6 | 8 | 0.43 | Deflect |
| Total= | | | | | | | | 312.9 | | | |

DESIGN ACTIONS/STRENGTH:

| Id | Load Id | -Axial(k)- | | -Shear(k)- | | Moment(f-k) | | -----Unity_Check----- | | | |
|--------|---------|-------------|-------|-------------|-------|--------------|-------|-----------------------|-------|--------|--------|
| | | Calc | Limit | Calc | Limit | Calc | Limit | Axial | Shear | Moment | Shear+ |
| Col150 | 1 | 1.95 | 9.20 | 0.00 | 3.32 | 0.00 | 3.07 | 0.21 | 0.00 | 0.21 | 0.00 |
| Col150 | 2 | 0.25 | 9.20 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col150 | 3 | 1.39 | 9.20 | 0.00 | 3.32 | 0.00 | 3.07 | 0.15 | 0.00 | 0.15 | 0.00 |
| Col150 | 4 | 1.39 | 9.20 | 0.00 | 3.32 | 0.00 | 3.07 | 0.15 | 0.00 | 0.15 | 0.00 |
| Col150 | 5 | 1.53 | 9.20 | 0.00 | 3.32 | 0.00 | 3.07 | 0.17 | 0.00 | 0.17 | 0.00 |
| Col150 | 6 | 1.11 | 9.20 | 0.00 | 3.32 | 0.00 | 3.07 | 0.12 | 0.00 | 0.12 | 0.00 |
| Col150 | 7 | 1.11 | 9.20 | 0.00 | 3.32 | 0.00 | 3.07 | 0.12 | 0.00 | 0.12 | 0.00 |
| Col150 | 8 | -0.95 | 21.18 | 0.23 | 3.32 | -0.85 | 3.07 | 0.04 | 0.07 | 0.23 | 0.00 |
| Col150 | 9 | -0.46 | 21.18 | 0.23 | 3.32 | -0.85 | 3.07 | 0.02 | 0.07 | 0.25 | 0.00 |
| Col150 | 10 | -0.95 | 21.18 | -0.23 | 3.32 | 0.85 | 3.07 | 0.04 | 0.07 | 0.23 | 0.00 |
| Col150 | 11 | -0.46 | 21.18 | -0.23 | 3.32 | 0.85 | 3.07 | 0.02 | 0.07 | 0.25 | 0.00 |
| Col150 | 12 | -0.95 | 21.18 | -0.23 | 3.32 | 0.85 | 3.07 | 0.04 | 0.07 | 0.23 | 0.00 |
| Col150 | 13 | -0.46 | 21.18 | -0.23 | 3.32 | 0.85 | 3.07 | 0.02 | 0.07 | 0.25 | 0.00 |
| Col150 | 14 | -0.60 | 21.18 | -0.23 | 3.32 | 0.85 | 3.07 | 0.03 | 0.07 | 0.25 | 0.00 |
| Col150 | 15 | -0.11 | 21.18 | -0.23 | 3.32 | 0.85 | 3.07 | 0.01 | 0.07 | 0.27 | 0.00 |
| Col150 | 16 | 0.92 | 9.20 | -0.17 | 3.32 | 0.64 | 3.07 | 0.10 | 0.05 | 0.31 | 0.00 |
| Col150 | 17 | 1.29 | 9.20 | -0.17 | 3.32 | 0.64 | 3.07 | 0.14 | 0.05 | 0.35 | 0.00 |
| Col150 | 18 | 0.66 | 9.20 | -0.17 | 3.32 | 0.64 | 3.07 | 0.07 | 0.05 | 0.28 | 0.00 |
| Col150 | 19 | 1.03 | 9.20 | -0.17 | 3.32 | 0.64 | 3.07 | 0.11 | 0.05 | 0.32 | 0.00 |
| Col150 | 20 | 0.50 | 9.20 | -0.17 | 3.32 | 0.64 | 3.07 | 0.05 | 0.05 | 0.26 | 0.00 |
| Col150 | 21 | 0.87 | 9.20 | -0.17 | 3.32 | 0.64 | 3.07 | 0.09 | 0.05 | 0.30 | 0.00 |
| Col150 | 22 | 0.24 | 9.20 | -0.17 | 3.32 | 0.64 | 3.07 | 0.03 | 0.05 | 0.23 | 0.00 |
| Col150 | 23 | 0.61 | 9.20 | -0.17 | 3.32 | 0.64 | 3.07 | 0.07 | 0.05 | 0.27 | 0.00 |
| Col150 | 24 | 0.50 | 9.20 | -0.17 | 3.32 | 0.64 | 3.07 | 0.05 | 0.05 | 0.26 | 0.00 |
| Col150 | 25 | 0.87 | 9.20 | -0.17 | 3.32 | 0.64 | 3.07 | 0.09 | 0.05 | 0.30 | 0.00 |
| Col150 | 26 | 0.24 | 9.20 | -0.17 | 3.32 | 0.64 | 3.07 | 0.03 | 0.05 | 0.23 | 0.00 |
| Col150 | 27 | 0.61 | 9.20 | -0.17 | 3.32 | 0.64 | 3.07 | 0.07 | 0.05 | 0.27 | 0.00 |
| Col150 | 28 | -1.02 | 21.18 | 0.23 | 3.32 | -0.85 | 3.07 | 0.05 | 0.07 | 0.23 | 0.00 |
| Col150 | 29 | -0.53 | 21.18 | 0.23 | 3.32 | -0.85 | 3.07 | 0.02 | 0.07 | 0.25 | 0.00 |
| Col150 | 30 | -1.02 | 21.18 | -0.23 | 3.32 | 0.85 | 3.07 | 0.05 | 0.07 | 0.23 | 0.00 |
| Col150 | 31 | -0.53 | 21.18 | -0.23 | 3.32 | 0.85 | 3.07 | 0.02 | 0.07 | 0.25 | 0.00 |
| Col150 | 32 | -1.02 | 21.18 | -0.23 | 3.32 | 0.85 | 3.07 | 0.05 | 0.07 | 0.23 | 0.00 |

| | | | | | | | | | | | |
|--------|----|-------|-------|-------|------|-------|------|------|------|------|------|
| Col150 | 33 | -0.53 | 21.18 | -0.23 | 3.32 | 0.85 | 3.07 | 0.02 | 0.07 | 0.25 | 0.00 |
| Col150 | 34 | -0.67 | 21.18 | -0.23 | 3.32 | 0.85 | 3.07 | 0.03 | 0.07 | 0.24 | 0.00 |
| Col150 | 35 | -0.18 | 21.18 | -0.23 | 3.32 | 0.85 | 3.07 | 0.01 | 0.07 | 0.27 | 0.00 |
| Col150 | 36 | 0.26 | 9.20 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col150 | 37 | 0.26 | 9.20 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col150 | 38 | 1.53 | 9.20 | 0.00 | 3.32 | 0.00 | 3.07 | 0.17 | 0.00 | 0.17 | 0.00 |
| Col150 | 39 | 1.53 | 9.20 | 0.00 | 3.32 | 0.00 | 3.07 | 0.17 | 0.00 | 0.17 | 0.00 |
| Col150 | 40 | 1.11 | 9.20 | 0.00 | 3.32 | 0.00 | 3.07 | 0.12 | 0.00 | 0.12 | 0.00 |
| Col150 | 41 | 1.11 | 9.20 | 0.00 | 3.32 | 0.00 | 3.07 | 0.12 | 0.00 | 0.12 | 0.00 |
| Col150 | 42 | 1.11 | 9.20 | 0.00 | 3.32 | 0.00 | 3.07 | 0.12 | 0.00 | 0.12 | 0.00 |
| Col150 | 43 | 1.11 | 9.20 | 0.00 | 3.32 | 0.00 | 3.07 | 0.12 | 0.00 | 0.12 | 0.00 |
| Col150 | 44 | 0.14 | 9.20 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col150 | 45 | 0.14 | 9.20 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col150 | 46 | 1.62 | 9.20 | 0.00 | 3.32 | 0.00 | 3.07 | 0.18 | 0.00 | 0.18 | 0.00 |
| Col150 | 47 | 0.66 | 9.20 | -0.17 | 3.32 | 0.64 | 3.07 | 0.07 | 0.05 | 0.28 | 0.00 |
| Col150 | 48 | 1.04 | 9.20 | -0.17 | 3.32 | 0.64 | 3.07 | 0.11 | 0.05 | 0.32 | 0.00 |
| Col150 | 49 | 0.25 | 9.20 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col150 | 50 | 0.25 | 9.20 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col150 | 51 | 0.14 | 9.20 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col150 | 52 | 0.14 | 9.20 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col151 | 1 | 1.96 | 9.10 | 0.00 | 3.32 | 0.00 | 3.07 | 0.21 | 0.00 | 0.21 | 0.00 |
| Col151 | 2 | 0.26 | 9.10 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col151 | 3 | 1.39 | 9.10 | 0.00 | 3.32 | 0.00 | 3.07 | 0.15 | 0.00 | 0.15 | 0.00 |
| Col151 | 4 | 1.39 | 9.10 | 0.00 | 3.32 | 0.00 | 3.07 | 0.15 | 0.00 | 0.15 | 0.00 |
| Col151 | 5 | 1.53 | 9.10 | 0.00 | 3.32 | 0.00 | 3.07 | 0.17 | 0.00 | 0.17 | 0.00 |
| Col151 | 6 | 1.11 | 9.10 | 0.00 | 3.32 | 0.00 | 3.07 | 0.12 | 0.00 | 0.12 | 0.00 |
| Col151 | 7 | 1.11 | 9.10 | 0.00 | 3.32 | 0.00 | 3.07 | 0.12 | 0.00 | 0.12 | 0.00 |
| Col151 | 8 | -0.95 | 21.18 | 0.23 | 3.32 | -0.87 | 3.07 | 0.04 | 0.07 | 0.24 | 0.00 |
| Col151 | 9 | -0.46 | 21.18 | 0.23 | 3.32 | -0.87 | 3.07 | 0.02 | 0.07 | 0.26 | 0.00 |
| Col151 | 10 | -0.95 | 21.18 | -0.23 | 3.32 | 0.87 | 3.07 | 0.04 | 0.07 | 0.24 | 0.00 |
| Col151 | 11 | -0.46 | 21.18 | -0.23 | 3.32 | 0.87 | 3.07 | 0.02 | 0.07 | 0.26 | 0.00 |
| Col151 | 12 | -0.95 | 21.18 | -0.23 | 3.32 | 0.87 | 3.07 | 0.04 | 0.07 | 0.24 | 0.00 |
| Col151 | 13 | -0.46 | 21.18 | -0.23 | 3.32 | 0.87 | 3.07 | 0.02 | 0.07 | 0.26 | 0.00 |
| Col151 | 14 | -0.60 | 21.18 | -0.23 | 3.32 | 0.87 | 3.07 | 0.03 | 0.07 | 0.26 | 0.00 |
| Col151 | 15 | -0.11 | 21.18 | -0.23 | 3.32 | 0.87 | 3.07 | 0.01 | 0.07 | 0.28 | 0.00 |
| Col151 | 16 | 0.92 | 9.10 | -0.17 | 3.32 | 0.65 | 3.07 | 0.10 | 0.05 | 0.31 | 0.00 |
| Col151 | 17 | 1.29 | 9.10 | -0.17 | 3.32 | 0.65 | 3.07 | 0.14 | 0.05 | 0.35 | 0.00 |
| Col151 | 18 | 0.66 | 9.10 | -0.17 | 3.32 | 0.65 | 3.07 | 0.07 | 0.05 | 0.29 | 0.00 |
| Col151 | 19 | 1.03 | 9.10 | -0.17 | 3.32 | 0.65 | 3.07 | 0.11 | 0.05 | 0.33 | 0.00 |
| Col151 | 20 | 0.50 | 9.10 | -0.17 | 3.32 | 0.65 | 3.07 | 0.05 | 0.05 | 0.27 | 0.00 |
| Col151 | 21 | 0.87 | 9.10 | -0.17 | 3.32 | 0.65 | 3.07 | 0.10 | 0.05 | 0.31 | 0.00 |
| Col151 | 22 | 0.24 | 9.10 | -0.17 | 3.32 | 0.65 | 3.07 | 0.03 | 0.05 | 0.24 | 0.00 |
| Col151 | 23 | 0.61 | 9.10 | -0.17 | 3.32 | 0.65 | 3.07 | 0.07 | 0.05 | 0.28 | 0.00 |
| Col151 | 24 | 0.50 | 9.10 | -0.17 | 3.32 | 0.65 | 3.07 | 0.05 | 0.05 | 0.27 | 0.00 |
| Col151 | 25 | 0.87 | 9.10 | -0.17 | 3.32 | 0.65 | 3.07 | 0.10 | 0.05 | 0.31 | 0.00 |
| Col151 | 26 | 0.24 | 9.10 | -0.17 | 3.32 | 0.65 | 3.07 | 0.03 | 0.05 | 0.24 | 0.00 |
| Col151 | 27 | 0.61 | 9.10 | -0.17 | 3.32 | 0.65 | 3.07 | 0.07 | 0.05 | 0.28 | 0.00 |
| Col151 | 28 | -1.02 | 21.18 | 0.23 | 3.32 | -0.87 | 3.07 | 0.05 | 0.07 | 0.24 | 0.00 |
| Col151 | 29 | -0.53 | 21.18 | 0.23 | 3.32 | -0.87 | 3.07 | 0.02 | 0.07 | 0.26 | 0.00 |
| Col151 | 30 | -1.02 | 21.18 | -0.23 | 3.32 | 0.87 | 3.07 | 0.05 | 0.07 | 0.24 | 0.00 |
| Col151 | 31 | -0.53 | 21.18 | -0.23 | 3.32 | 0.87 | 3.07 | 0.02 | 0.07 | 0.26 | 0.00 |
| Col151 | 32 | -1.02 | 21.18 | -0.23 | 3.32 | 0.87 | 3.07 | 0.05 | 0.07 | 0.24 | 0.00 |
| Col151 | 33 | -0.53 | 21.18 | -0.23 | 3.32 | 0.87 | 3.07 | 0.02 | 0.07 | 0.26 | 0.00 |
| Col151 | 34 | -0.67 | 21.18 | -0.23 | 3.32 | 0.87 | 3.07 | 0.03 | 0.07 | 0.25 | 0.00 |
| Col151 | 35 | -0.18 | 21.18 | -0.23 | 3.32 | 0.87 | 3.07 | 0.01 | 0.07 | 0.28 | 0.00 |
| Col151 | 36 | 0.26 | 9.10 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col151 | 37 | 0.26 | 9.10 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col151 | 38 | 1.53 | 9.10 | 0.00 | 3.32 | 0.00 | 3.07 | 0.17 | 0.00 | 0.17 | 0.00 |
| Col151 | 39 | 1.53 | 9.10 | 0.00 | 3.32 | 0.00 | 3.07 | 0.17 | 0.00 | 0.17 | 0.00 |
| Col151 | 40 | 1.11 | 9.10 | 0.00 | 3.32 | 0.00 | 3.07 | 0.12 | 0.00 | 0.12 | 0.00 |
| Col151 | 41 | 1.11 | 9.10 | 0.00 | 3.32 | 0.00 | 3.07 | 0.12 | 0.00 | 0.12 | 0.00 |
| Col151 | 42 | 1.11 | 9.10 | 0.00 | 3.32 | 0.00 | 3.07 | 0.12 | 0.00 | 0.12 | 0.00 |
| Col151 | 43 | 1.11 | 9.10 | 0.00 | 3.32 | 0.00 | 3.07 | 0.12 | 0.00 | 0.12 | 0.00 |
| Col151 | 44 | 0.14 | 9.10 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col151 | 45 | 0.14 | 9.10 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |

| | | | | | | | | | | | |
|--------|----|-------|-------|-------|------|-------|------|------|------|------|------|
| Col151 | 46 | 1.62 | 9.10 | 0.00 | 3.32 | 0.00 | 3.07 | 0.18 | 0.00 | 0.18 | 0.00 |
| Col151 | 47 | 0.66 | 9.10 | -0.17 | 3.32 | 0.65 | 3.07 | 0.07 | 0.05 | 0.29 | 0.00 |
| Col151 | 48 | 1.04 | 9.10 | -0.17 | 3.32 | 0.65 | 3.07 | 0.11 | 0.05 | 0.33 | 0.00 |
| Col151 | 49 | 0.26 | 9.10 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col151 | 50 | 0.26 | 9.10 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col151 | 51 | 0.14 | 9.10 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col151 | 52 | 0.14 | 9.10 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col152 | 1 | 1.96 | 8.99 | 0.00 | 3.32 | 0.00 | 3.07 | 0.22 | 0.00 | 0.22 | 0.00 |
| Col152 | 2 | 0.26 | 8.99 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col152 | 3 | 1.39 | 8.99 | 0.00 | 3.32 | 0.00 | 3.07 | 0.16 | 0.00 | 0.16 | 0.00 |
| Col152 | 4 | 1.39 | 8.99 | 0.00 | 3.32 | 0.00 | 3.07 | 0.16 | 0.00 | 0.16 | 0.00 |
| Col152 | 5 | 1.53 | 8.99 | 0.00 | 3.32 | 0.00 | 3.07 | 0.17 | 0.00 | 0.17 | 0.00 |
| Col152 | 6 | 1.11 | 8.99 | 0.00 | 3.32 | 0.00 | 3.07 | 0.12 | 0.00 | 0.12 | 0.00 |
| Col152 | 7 | 1.11 | 8.99 | 0.00 | 3.32 | 0.00 | 3.07 | 0.12 | 0.00 | 0.12 | 0.00 |
| Col152 | 8 | -0.95 | 21.18 | 0.23 | 3.32 | -0.90 | 3.07 | 0.04 | 0.07 | 0.25 | 0.00 |
| Col152 | 9 | -0.46 | 21.18 | 0.23 | 3.32 | -0.90 | 3.07 | 0.02 | 0.07 | 0.27 | 0.00 |
| Col152 | 10 | -0.95 | 21.18 | -0.23 | 3.32 | 0.90 | 3.07 | 0.04 | 0.07 | 0.25 | 0.00 |
| Col152 | 11 | -0.46 | 21.18 | -0.23 | 3.32 | 0.90 | 3.07 | 0.02 | 0.07 | 0.27 | 0.00 |
| Col152 | 12 | -0.95 | 21.18 | -0.23 | 3.32 | 0.90 | 3.07 | 0.04 | 0.07 | 0.25 | 0.00 |
| Col152 | 13 | -0.46 | 21.18 | -0.23 | 3.32 | 0.90 | 3.07 | 0.02 | 0.07 | 0.27 | 0.00 |
| Col152 | 14 | -0.60 | 21.18 | -0.23 | 3.32 | 0.90 | 3.07 | 0.03 | 0.07 | 0.26 | 0.00 |
| Col152 | 15 | -0.11 | 21.18 | -0.23 | 3.32 | 0.90 | 3.07 | 0.01 | 0.07 | 0.29 | 0.00 |
| Col152 | 16 | 0.92 | 8.99 | -0.17 | 3.32 | 0.67 | 3.07 | 0.10 | 0.05 | 0.32 | 0.00 |
| Col152 | 17 | 1.29 | 8.99 | -0.17 | 3.32 | 0.67 | 3.07 | 0.14 | 0.05 | 0.36 | 0.00 |
| Col152 | 18 | 0.66 | 8.99 | -0.17 | 3.32 | 0.67 | 3.07 | 0.07 | 0.05 | 0.29 | 0.00 |
| Col152 | 19 | 1.03 | 8.99 | -0.17 | 3.32 | 0.67 | 3.07 | 0.11 | 0.05 | 0.33 | 0.00 |
| Col152 | 20 | 0.50 | 8.99 | -0.17 | 3.32 | 0.67 | 3.07 | 0.06 | 0.05 | 0.27 | 0.00 |
| Col152 | 21 | 0.87 | 8.99 | -0.17 | 3.32 | 0.67 | 3.07 | 0.10 | 0.05 | 0.32 | 0.00 |
| Col152 | 22 | 0.24 | 8.99 | -0.17 | 3.32 | 0.67 | 3.07 | 0.03 | 0.05 | 0.25 | 0.00 |
| Col152 | 23 | 0.61 | 8.99 | -0.17 | 3.32 | 0.67 | 3.07 | 0.07 | 0.05 | 0.29 | 0.00 |
| Col152 | 24 | 0.50 | 8.99 | -0.17 | 3.32 | 0.67 | 3.07 | 0.06 | 0.05 | 0.27 | 0.00 |
| Col152 | 25 | 0.87 | 8.99 | -0.17 | 3.32 | 0.67 | 3.07 | 0.10 | 0.05 | 0.32 | 0.00 |
| Col152 | 26 | 0.24 | 8.99 | -0.17 | 3.32 | 0.67 | 3.07 | 0.03 | 0.05 | 0.25 | 0.00 |
| Col152 | 27 | 0.61 | 8.99 | -0.17 | 3.32 | 0.67 | 3.07 | 0.07 | 0.05 | 0.29 | 0.00 |
| Col152 | 28 | -1.02 | 21.18 | 0.23 | 3.32 | -0.90 | 3.07 | 0.05 | 0.07 | 0.24 | 0.00 |
| Col152 | 29 | -0.52 | 21.18 | 0.23 | 3.32 | -0.90 | 3.07 | 0.02 | 0.07 | 0.27 | 0.00 |
| Col152 | 30 | -1.02 | 21.18 | -0.23 | 3.32 | 0.90 | 3.07 | 0.05 | 0.07 | 0.24 | 0.00 |
| Col152 | 31 | -0.52 | 21.18 | -0.23 | 3.32 | 0.90 | 3.07 | 0.02 | 0.07 | 0.27 | 0.00 |
| Col152 | 32 | -1.02 | 21.18 | -0.23 | 3.32 | 0.90 | 3.07 | 0.05 | 0.07 | 0.24 | 0.00 |
| Col152 | 33 | -0.52 | 21.18 | -0.23 | 3.32 | 0.90 | 3.07 | 0.02 | 0.07 | 0.27 | 0.00 |
| Col152 | 34 | -0.67 | 21.18 | -0.23 | 3.32 | 0.90 | 3.07 | 0.03 | 0.07 | 0.26 | 0.00 |
| Col152 | 35 | -0.18 | 21.18 | -0.23 | 3.32 | 0.90 | 3.07 | 0.01 | 0.07 | 0.28 | 0.00 |
| Col152 | 36 | 0.26 | 8.99 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col152 | 37 | 0.26 | 8.99 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col152 | 38 | 1.54 | 8.99 | 0.00 | 3.32 | 0.00 | 3.07 | 0.17 | 0.00 | 0.17 | 0.00 |
| Col152 | 39 | 1.53 | 8.99 | 0.00 | 3.32 | 0.00 | 3.07 | 0.17 | 0.00 | 0.17 | 0.00 |
| Col152 | 40 | 1.11 | 8.99 | 0.00 | 3.32 | 0.00 | 3.07 | 0.12 | 0.00 | 0.12 | 0.00 |
| Col152 | 41 | 1.11 | 8.99 | 0.00 | 3.32 | 0.00 | 3.07 | 0.12 | 0.00 | 0.12 | 0.00 |
| Col152 | 42 | 1.11 | 8.99 | 0.00 | 3.32 | 0.00 | 3.07 | 0.12 | 0.00 | 0.12 | 0.00 |
| Col152 | 43 | 1.11 | 8.99 | 0.00 | 3.32 | 0.00 | 3.07 | 0.12 | 0.00 | 0.12 | 0.00 |
| Col152 | 44 | 0.14 | 8.99 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col152 | 45 | 0.14 | 8.99 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col152 | 46 | 1.62 | 8.99 | 0.00 | 3.32 | 0.00 | 3.07 | 0.18 | 0.00 | 0.18 | 0.00 |
| Col152 | 47 | 0.67 | 8.99 | -0.17 | 3.32 | 0.67 | 3.07 | 0.07 | 0.05 | 0.29 | 0.00 |
| Col152 | 48 | 1.04 | 8.99 | -0.17 | 3.32 | 0.67 | 3.07 | 0.12 | 0.05 | 0.33 | 0.00 |
| Col152 | 49 | 0.26 | 8.99 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col152 | 50 | 0.26 | 8.99 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col152 | 51 | 0.15 | 8.99 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col152 | 52 | 0.14 | 8.99 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col153 | 1 | 1.96 | 8.89 | 0.00 | 3.32 | 0.00 | 3.07 | 0.22 | 0.00 | 0.22 | 0.00 |
| Col153 | 2 | 0.26 | 8.89 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col153 | 3 | 1.40 | 8.89 | 0.00 | 3.32 | 0.00 | 3.07 | 0.16 | 0.00 | 0.16 | 0.00 |
| Col153 | 4 | 1.40 | 8.89 | 0.00 | 3.32 | 0.00 | 3.07 | 0.16 | 0.00 | 0.16 | 0.00 |
| Col153 | 5 | 1.53 | 8.89 | 0.00 | 3.32 | 0.00 | 3.07 | 0.17 | 0.00 | 0.17 | 0.00 |
| Col153 | 6 | 1.11 | 8.89 | 0.00 | 3.32 | 0.00 | 3.07 | 0.12 | 0.00 | 0.12 | 0.00 |

| | | | | | | | | | | | |
|--------|----|-------|-------|-------|------|-------|------|------|------|------|------|
| Col153 | 7 | 1.11 | 8.89 | 0.00 | 3.32 | 0.00 | 3.07 | 0.12 | 0.00 | 0.12 | 0.00 |
| Col153 | 8 | -0.95 | 21.18 | 0.24 | 3.32 | -0.92 | 3.07 | 0.04 | 0.07 | 0.25 | 0.00 |
| Col153 | 9 | -0.46 | 21.18 | 0.24 | 3.32 | -0.92 | 3.07 | 0.02 | 0.07 | 0.28 | 0.00 |
| Col153 | 10 | -0.95 | 21.18 | -0.24 | 3.32 | 0.92 | 3.07 | 0.04 | 0.07 | 0.25 | 0.00 |
| Col153 | 11 | -0.46 | 21.18 | -0.24 | 3.32 | 0.92 | 3.07 | 0.02 | 0.07 | 0.28 | 0.00 |
| Col153 | 12 | -0.95 | 21.18 | -0.24 | 3.32 | 0.92 | 3.07 | 0.04 | 0.07 | 0.25 | 0.00 |
| Col153 | 13 | -0.46 | 21.18 | -0.24 | 3.32 | 0.92 | 3.07 | 0.02 | 0.07 | 0.28 | 0.00 |
| Col153 | 14 | -0.60 | 21.18 | -0.24 | 3.32 | 0.92 | 3.07 | 0.03 | 0.07 | 0.27 | 0.00 |
| Col153 | 15 | -0.11 | 21.18 | -0.24 | 3.32 | 0.92 | 3.07 | 0.01 | 0.07 | 0.29 | 0.00 |
| Col153 | 16 | 0.92 | 8.89 | -0.18 | 3.32 | 0.69 | 3.07 | 0.10 | 0.05 | 0.33 | 0.00 |
| Col153 | 17 | 1.29 | 8.89 | -0.18 | 3.32 | 0.69 | 3.07 | 0.15 | 0.05 | 0.37 | 0.00 |
| Col153 | 18 | 0.66 | 8.89 | -0.18 | 3.32 | 0.69 | 3.07 | 0.07 | 0.05 | 0.30 | 0.00 |
| Col153 | 19 | 1.03 | 8.89 | -0.18 | 3.32 | 0.69 | 3.07 | 0.12 | 0.05 | 0.34 | 0.00 |
| Col153 | 20 | 0.50 | 8.89 | -0.18 | 3.32 | 0.69 | 3.07 | 0.06 | 0.05 | 0.28 | 0.00 |
| Col153 | 21 | 0.87 | 8.89 | -0.18 | 3.32 | 0.69 | 3.07 | 0.10 | 0.05 | 0.32 | 0.00 |
| Col153 | 22 | 0.24 | 8.89 | -0.18 | 3.32 | 0.69 | 3.07 | 0.03 | 0.05 | 0.25 | 0.00 |
| Col153 | 23 | 0.61 | 8.89 | -0.18 | 3.32 | 0.69 | 3.07 | 0.07 | 0.05 | 0.29 | 0.00 |
| Col153 | 24 | 0.50 | 8.89 | -0.18 | 3.32 | 0.69 | 3.07 | 0.06 | 0.05 | 0.28 | 0.00 |
| Col153 | 25 | 0.87 | 8.89 | -0.18 | 3.32 | 0.69 | 3.07 | 0.10 | 0.05 | 0.32 | 0.00 |
| Col153 | 26 | 0.24 | 8.89 | -0.18 | 3.32 | 0.69 | 3.07 | 0.03 | 0.05 | 0.25 | 0.00 |
| Col153 | 27 | 0.61 | 8.89 | -0.18 | 3.32 | 0.69 | 3.07 | 0.07 | 0.05 | 0.29 | 0.00 |
| Col153 | 28 | -1.02 | 21.18 | 0.24 | 3.32 | -0.92 | 3.07 | 0.05 | 0.07 | 0.25 | 0.00 |
| Col153 | 29 | -0.52 | 21.18 | 0.24 | 3.32 | -0.92 | 3.07 | 0.02 | 0.07 | 0.27 | 0.00 |
| Col153 | 30 | -1.02 | 21.18 | -0.24 | 3.32 | 0.92 | 3.07 | 0.05 | 0.07 | 0.25 | 0.00 |
| Col153 | 31 | -0.52 | 21.18 | -0.24 | 3.32 | 0.92 | 3.07 | 0.02 | 0.07 | 0.27 | 0.00 |
| Col153 | 32 | -1.02 | 21.18 | -0.24 | 3.32 | 0.92 | 3.07 | 0.05 | 0.07 | 0.25 | 0.00 |
| Col153 | 33 | -0.52 | 21.18 | -0.24 | 3.32 | 0.92 | 3.07 | 0.02 | 0.07 | 0.27 | 0.00 |
| Col153 | 34 | -0.67 | 21.18 | -0.24 | 3.32 | 0.92 | 3.07 | 0.03 | 0.07 | 0.27 | 0.00 |
| Col153 | 35 | -0.17 | 21.18 | -0.24 | 3.32 | 0.92 | 3.07 | 0.01 | 0.07 | 0.29 | 0.00 |
| Col153 | 36 | 0.26 | 8.89 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col153 | 37 | 0.26 | 8.89 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col153 | 38 | 1.54 | 8.89 | 0.00 | 3.32 | 0.00 | 3.07 | 0.17 | 0.00 | 0.17 | 0.00 |
| Col153 | 39 | 1.54 | 8.89 | 0.00 | 3.32 | 0.00 | 3.07 | 0.17 | 0.00 | 0.17 | 0.00 |
| Col153 | 40 | 1.11 | 8.89 | 0.00 | 3.32 | 0.00 | 3.07 | 0.13 | 0.00 | 0.13 | 0.00 |
| Col153 | 41 | 1.11 | 8.89 | 0.00 | 3.32 | 0.00 | 3.07 | 0.13 | 0.00 | 0.13 | 0.00 |
| Col153 | 42 | 1.11 | 8.89 | 0.00 | 3.32 | 0.00 | 3.07 | 0.13 | 0.00 | 0.13 | 0.00 |
| Col153 | 43 | 1.11 | 8.89 | 0.00 | 3.32 | 0.00 | 3.07 | 0.13 | 0.00 | 0.13 | 0.00 |
| Col153 | 44 | 0.14 | 8.89 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col153 | 45 | 0.14 | 8.89 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col153 | 46 | 1.62 | 8.89 | 0.00 | 3.32 | 0.00 | 3.07 | 0.18 | 0.00 | 0.18 | 0.00 |
| Col153 | 47 | 0.67 | 8.89 | -0.18 | 3.32 | 0.69 | 3.07 | 0.07 | 0.05 | 0.30 | 0.00 |
| Col153 | 48 | 1.04 | 8.89 | -0.18 | 3.32 | 0.69 | 3.07 | 0.12 | 0.05 | 0.34 | 0.00 |
| Col153 | 49 | 0.26 | 8.89 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col153 | 50 | 0.26 | 8.89 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col153 | 51 | 0.15 | 8.89 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col153 | 52 | 0.15 | 8.89 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col154 | 1 | 1.96 | 8.78 | 0.00 | 3.32 | 0.00 | 3.07 | 0.22 | 0.00 | 0.22 | 0.00 |
| Col154 | 2 | 0.26 | 8.78 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col154 | 3 | 1.40 | 8.78 | 0.00 | 3.32 | 0.00 | 3.07 | 0.16 | 0.00 | 0.16 | 0.00 |
| Col154 | 4 | 1.40 | 8.78 | 0.00 | 3.32 | 0.00 | 3.07 | 0.16 | 0.00 | 0.16 | 0.00 |
| Col154 | 5 | 1.53 | 8.78 | 0.00 | 3.32 | 0.00 | 3.07 | 0.17 | 0.00 | 0.17 | 0.00 |
| Col154 | 6 | 1.11 | 8.78 | 0.00 | 3.32 | 0.00 | 3.07 | 0.13 | 0.00 | 0.13 | 0.00 |
| Col154 | 7 | 1.11 | 8.78 | 0.00 | 3.32 | 0.00 | 3.07 | 0.13 | 0.00 | 0.13 | 0.00 |
| Col154 | 8 | -0.95 | 21.18 | 0.24 | 3.32 | -0.95 | 3.07 | 0.04 | 0.07 | 0.26 | 0.00 |
| Col154 | 9 | -0.46 | 21.18 | 0.24 | 3.32 | -0.95 | 3.07 | 0.02 | 0.07 | 0.29 | 0.00 |
| Col154 | 10 | -0.95 | 21.18 | -0.24 | 3.32 | 0.95 | 3.07 | 0.04 | 0.07 | 0.26 | 0.00 |
| Col154 | 11 | -0.46 | 21.18 | -0.24 | 3.32 | 0.95 | 3.07 | 0.02 | 0.07 | 0.29 | 0.00 |
| Col154 | 12 | -0.95 | 21.18 | -0.24 | 3.32 | 0.95 | 3.07 | 0.04 | 0.07 | 0.26 | 0.00 |
| Col154 | 13 | -0.46 | 21.18 | -0.24 | 3.32 | 0.95 | 3.07 | 0.02 | 0.07 | 0.29 | 0.00 |
| Col154 | 14 | -0.60 | 21.18 | -0.24 | 3.32 | 0.95 | 3.07 | 0.03 | 0.07 | 0.28 | 0.00 |
| Col154 | 15 | -0.11 | 21.18 | -0.24 | 3.32 | 0.95 | 3.07 | 0.01 | 0.07 | 0.30 | 0.00 |
| Col154 | 16 | 0.92 | 8.78 | -0.18 | 3.32 | 0.71 | 3.07 | 0.10 | 0.05 | 0.34 | 0.00 |
| Col154 | 17 | 1.29 | 8.78 | -0.18 | 3.32 | 0.71 | 3.07 | 0.15 | 0.05 | 0.38 | 0.00 |
| Col154 | 18 | 0.66 | 8.78 | -0.18 | 3.32 | 0.71 | 3.07 | 0.07 | 0.05 | 0.31 | 0.00 |
| Col154 | 19 | 1.03 | 8.78 | -0.18 | 3.32 | 0.71 | 3.07 | 0.12 | 0.05 | 0.35 | 0.00 |

| | | | | | | | | | | | |
|--------|----|-------|-------|-------|------|-------|------|------|------|------|------|
| Col154 | 20 | 0.50 | 8.78 | -0.18 | 3.32 | 0.71 | 3.07 | 0.06 | 0.05 | 0.29 | 0.00 |
| Col154 | 21 | 0.87 | 8.78 | -0.18 | 3.32 | 0.71 | 3.07 | 0.10 | 0.05 | 0.33 | 0.00 |
| Col154 | 22 | 0.24 | 8.78 | -0.18 | 3.32 | 0.71 | 3.07 | 0.03 | 0.05 | 0.26 | 0.00 |
| Col154 | 23 | 0.61 | 8.78 | -0.18 | 3.32 | 0.71 | 3.07 | 0.07 | 0.05 | 0.30 | 0.00 |
| Col154 | 24 | 0.50 | 8.78 | -0.18 | 3.32 | 0.71 | 3.07 | 0.06 | 0.05 | 0.29 | 0.00 |
| Col154 | 25 | 0.87 | 8.78 | -0.18 | 3.32 | 0.71 | 3.07 | 0.10 | 0.05 | 0.33 | 0.00 |
| Col154 | 26 | 0.24 | 8.78 | -0.18 | 3.32 | 0.71 | 3.07 | 0.03 | 0.05 | 0.26 | 0.00 |
| Col154 | 27 | 0.61 | 8.78 | -0.18 | 3.32 | 0.71 | 3.07 | 0.07 | 0.05 | 0.30 | 0.00 |
| Col154 | 28 | -1.02 | 21.18 | 0.24 | 3.32 | -0.95 | 3.07 | 0.05 | 0.07 | 0.26 | 0.00 |
| Col154 | 29 | -0.52 | 21.18 | 0.24 | 3.32 | -0.95 | 3.07 | 0.02 | 0.07 | 0.28 | 0.00 |
| Col154 | 30 | -1.02 | 21.18 | -0.24 | 3.32 | 0.95 | 3.07 | 0.05 | 0.07 | 0.26 | 0.00 |
| Col154 | 31 | -0.52 | 21.18 | -0.24 | 3.32 | 0.95 | 3.07 | 0.02 | 0.07 | 0.28 | 0.00 |
| Col154 | 32 | -1.02 | 21.18 | -0.24 | 3.32 | 0.95 | 3.07 | 0.05 | 0.07 | 0.26 | 0.00 |
| Col154 | 33 | -0.52 | 21.18 | -0.24 | 3.32 | 0.95 | 3.07 | 0.02 | 0.07 | 0.28 | 0.00 |
| Col154 | 34 | -0.67 | 21.18 | -0.24 | 3.32 | 0.95 | 3.07 | 0.03 | 0.07 | 0.28 | 0.00 |
| Col154 | 35 | -0.17 | 21.18 | -0.24 | 3.32 | 0.95 | 3.07 | 0.01 | 0.07 | 0.30 | 0.00 |
| Col154 | 36 | 0.26 | 8.78 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col154 | 37 | 0.26 | 8.78 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col154 | 38 | 1.54 | 8.78 | 0.00 | 3.32 | 0.00 | 3.07 | 0.17 | 0.00 | 0.17 | 0.00 |
| Col154 | 39 | 1.54 | 8.78 | 0.00 | 3.32 | 0.00 | 3.07 | 0.17 | 0.00 | 0.17 | 0.00 |
| Col154 | 40 | 1.12 | 8.78 | 0.00 | 3.32 | 0.00 | 3.07 | 0.13 | 0.00 | 0.13 | 0.00 |
| Col154 | 41 | 1.12 | 8.78 | 0.00 | 3.32 | 0.00 | 3.07 | 0.13 | 0.00 | 0.13 | 0.00 |
| Col154 | 42 | 1.12 | 8.78 | 0.00 | 3.32 | 0.00 | 3.07 | 0.13 | 0.00 | 0.13 | 0.00 |
| Col154 | 43 | 1.12 | 8.78 | 0.00 | 3.32 | 0.00 | 3.07 | 0.13 | 0.00 | 0.13 | 0.00 |
| Col154 | 44 | 0.14 | 8.78 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col154 | 45 | 0.14 | 8.78 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col154 | 46 | 1.62 | 8.78 | 0.00 | 3.32 | 0.00 | 3.07 | 0.18 | 0.00 | 0.18 | 0.00 |
| Col154 | 47 | 0.67 | 8.78 | -0.18 | 3.32 | 0.71 | 3.07 | 0.08 | 0.05 | 0.31 | 0.00 |
| Col154 | 48 | 1.04 | 8.78 | -0.18 | 3.32 | 0.71 | 3.07 | 0.12 | 0.05 | 0.35 | 0.00 |
| Col154 | 49 | 0.26 | 8.78 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col154 | 50 | 0.26 | 8.78 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col154 | 51 | 0.15 | 8.78 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col154 | 52 | 0.15 | 8.78 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col155 | 1 | 1.96 | 8.68 | 0.00 | 3.32 | 0.00 | 3.07 | 0.23 | 0.00 | 0.23 | 0.00 |
| Col155 | 2 | 0.26 | 8.68 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col155 | 3 | 1.40 | 8.68 | 0.00 | 3.32 | 0.00 | 3.07 | 0.16 | 0.00 | 0.16 | 0.00 |
| Col155 | 4 | 1.40 | 8.68 | 0.00 | 3.32 | 0.00 | 3.07 | 0.16 | 0.00 | 0.16 | 0.00 |
| Col155 | 5 | 1.53 | 8.68 | 0.00 | 3.32 | 0.00 | 3.07 | 0.18 | 0.00 | 0.18 | 0.00 |
| Col155 | 6 | 1.11 | 8.68 | 0.00 | 3.32 | 0.00 | 3.07 | 0.13 | 0.00 | 0.13 | 0.00 |
| Col155 | 7 | 1.11 | 8.68 | 0.00 | 3.32 | 0.00 | 3.07 | 0.13 | 0.00 | 0.13 | 0.00 |
| Col155 | 8 | -0.95 | 21.18 | 0.24 | 3.32 | -0.97 | 3.07 | 0.04 | 0.07 | 0.27 | 0.00 |
| Col155 | 9 | -0.46 | 21.18 | 0.24 | 3.32 | -0.97 | 3.07 | 0.02 | 0.07 | 0.29 | 0.00 |
| Col155 | 10 | -0.95 | 21.18 | -0.24 | 3.32 | 0.97 | 3.07 | 0.04 | 0.07 | 0.27 | 0.00 |
| Col155 | 11 | -0.46 | 21.18 | -0.24 | 3.32 | 0.97 | 3.07 | 0.02 | 0.07 | 0.29 | 0.00 |
| Col155 | 12 | -0.95 | 21.18 | -0.24 | 3.32 | 0.97 | 3.07 | 0.04 | 0.07 | 0.27 | 0.00 |
| Col155 | 13 | -0.46 | 21.18 | -0.24 | 3.32 | 0.97 | 3.07 | 0.02 | 0.07 | 0.29 | 0.00 |
| Col155 | 14 | -0.60 | 21.18 | -0.24 | 3.32 | 0.97 | 3.07 | 0.03 | 0.07 | 0.29 | 0.00 |
| Col155 | 15 | -0.11 | 21.18 | -0.24 | 3.32 | 0.97 | 3.07 | 0.00 | 0.07 | 0.31 | 0.00 |
| Col155 | 16 | 0.92 | 8.68 | -0.18 | 3.32 | 0.73 | 3.07 | 0.11 | 0.05 | 0.34 | 0.00 |
| Col155 | 17 | 1.29 | 8.68 | -0.18 | 3.32 | 0.73 | 3.07 | 0.15 | 0.05 | 0.39 | 0.00 |
| Col155 | 18 | 0.66 | 8.68 | -0.18 | 3.32 | 0.73 | 3.07 | 0.08 | 0.05 | 0.31 | 0.00 |
| Col155 | 19 | 1.03 | 8.68 | -0.18 | 3.32 | 0.73 | 3.07 | 0.12 | 0.05 | 0.36 | 0.00 |
| Col155 | 20 | 0.50 | 8.68 | -0.18 | 3.32 | 0.73 | 3.07 | 0.06 | 0.05 | 0.29 | 0.00 |
| Col155 | 21 | 0.87 | 8.68 | -0.18 | 3.32 | 0.73 | 3.07 | 0.10 | 0.05 | 0.34 | 0.00 |
| Col155 | 22 | 0.24 | 8.68 | -0.18 | 3.32 | 0.73 | 3.07 | 0.03 | 0.05 | 0.26 | 0.00 |
| Col155 | 23 | 0.61 | 8.68 | -0.18 | 3.32 | 0.73 | 3.07 | 0.07 | 0.05 | 0.31 | 0.00 |
| Col155 | 24 | 0.50 | 8.68 | -0.18 | 3.32 | 0.73 | 3.07 | 0.06 | 0.05 | 0.29 | 0.00 |
| Col155 | 25 | 0.87 | 8.68 | -0.18 | 3.32 | 0.73 | 3.07 | 0.10 | 0.05 | 0.34 | 0.00 |
| Col155 | 26 | 0.24 | 8.68 | -0.18 | 3.32 | 0.73 | 3.07 | 0.03 | 0.05 | 0.26 | 0.00 |
| Col155 | 27 | 0.61 | 8.68 | -0.18 | 3.32 | 0.73 | 3.07 | 0.07 | 0.05 | 0.31 | 0.00 |
| Col155 | 28 | -1.02 | 21.18 | 0.24 | 3.32 | -0.97 | 3.07 | 0.05 | 0.07 | 0.27 | 0.00 |
| Col155 | 29 | -0.52 | 21.18 | 0.24 | 3.32 | -0.97 | 3.07 | 0.02 | 0.07 | 0.29 | 0.00 |
| Col155 | 30 | -1.02 | 21.18 | -0.24 | 3.32 | 0.97 | 3.07 | 0.05 | 0.07 | 0.27 | 0.00 |
| Col155 | 31 | -0.52 | 21.18 | -0.24 | 3.32 | 0.97 | 3.07 | 0.02 | 0.07 | 0.29 | 0.00 |
| Col155 | 32 | -1.02 | 21.18 | -0.24 | 3.32 | 0.97 | 3.07 | 0.05 | 0.07 | 0.27 | 0.00 |

| | | | | | | | | | | | |
|--------|----|-------|-------|-------|------|-------|------|------|------|------|------|
| Col155 | 33 | -0.52 | 21.18 | -0.24 | 3.32 | 0.97 | 3.07 | 0.02 | 0.07 | 0.29 | 0.00 |
| Col155 | 34 | -0.67 | 21.18 | -0.24 | 3.32 | 0.97 | 3.07 | 0.03 | 0.07 | 0.28 | 0.00 |
| Col155 | 35 | -0.17 | 21.18 | -0.24 | 3.32 | 0.97 | 3.07 | 0.01 | 0.07 | 0.31 | 0.00 |
| Col155 | 36 | 0.26 | 8.68 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col155 | 37 | 0.26 | 8.68 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col155 | 38 | 1.54 | 8.68 | 0.00 | 3.32 | 0.00 | 3.07 | 0.18 | 0.00 | 0.18 | 0.00 |
| Col155 | 39 | 1.54 | 8.68 | 0.00 | 3.32 | 0.00 | 3.07 | 0.18 | 0.00 | 0.18 | 0.00 |
| Col155 | 40 | 1.12 | 8.68 | 0.00 | 3.32 | 0.00 | 3.07 | 0.13 | 0.00 | 0.13 | 0.00 |
| Col155 | 41 | 1.12 | 8.68 | 0.00 | 3.32 | 0.00 | 3.07 | 0.13 | 0.00 | 0.13 | 0.00 |
| Col155 | 42 | 1.12 | 8.68 | 0.00 | 3.32 | 0.00 | 3.07 | 0.13 | 0.00 | 0.13 | 0.00 |
| Col155 | 43 | 1.12 | 8.68 | 0.00 | 3.32 | 0.00 | 3.07 | 0.13 | 0.00 | 0.13 | 0.00 |
| Col155 | 44 | 0.14 | 8.68 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col155 | 45 | 0.14 | 8.68 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col155 | 46 | 1.62 | 8.68 | 0.00 | 3.32 | 0.00 | 3.07 | 0.19 | 0.00 | 0.19 | 0.00 |
| Col155 | 47 | 0.67 | 8.68 | -0.18 | 3.32 | 0.73 | 3.07 | 0.08 | 0.05 | 0.31 | 0.00 |
| Col155 | 48 | 1.04 | 8.68 | -0.18 | 3.32 | 0.73 | 3.07 | 0.12 | 0.05 | 0.36 | 0.00 |
| Col155 | 49 | 0.26 | 8.68 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col155 | 50 | 0.26 | 8.68 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col155 | 51 | 0.15 | 8.68 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col155 | 52 | 0.15 | 8.68 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col156 | 1 | 1.96 | 8.57 | 0.00 | 3.32 | 0.00 | 3.07 | 0.23 | 0.00 | 0.23 | 0.00 |
| Col156 | 2 | 0.26 | 8.57 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col156 | 3 | 1.40 | 8.57 | 0.00 | 3.32 | 0.00 | 3.07 | 0.16 | 0.00 | 0.16 | 0.00 |
| Col156 | 4 | 1.40 | 8.57 | 0.00 | 3.32 | 0.00 | 3.07 | 0.16 | 0.00 | 0.16 | 0.00 |
| Col156 | 5 | 1.53 | 8.57 | 0.00 | 3.32 | 0.00 | 3.07 | 0.18 | 0.00 | 0.18 | 0.00 |
| Col156 | 6 | 1.11 | 8.57 | 0.00 | 3.32 | 0.00 | 3.07 | 0.13 | 0.00 | 0.13 | 0.00 |
| Col156 | 7 | 1.11 | 8.57 | 0.00 | 3.32 | 0.00 | 3.07 | 0.13 | 0.00 | 0.13 | 0.00 |
| Col156 | 8 | -0.95 | 21.18 | 0.24 | 3.32 | -1.00 | 3.07 | 0.04 | 0.07 | 0.28 | 0.00 |
| Col156 | 9 | -0.45 | 21.18 | 0.24 | 3.32 | -1.00 | 3.07 | 0.02 | 0.07 | 0.30 | 0.00 |
| Col156 | 10 | -0.95 | 21.18 | -0.24 | 3.32 | 1.00 | 3.07 | 0.04 | 0.07 | 0.28 | 0.00 |
| Col156 | 11 | -0.45 | 21.18 | -0.24 | 3.32 | 1.00 | 3.07 | 0.02 | 0.07 | 0.30 | 0.00 |
| Col156 | 12 | -0.95 | 21.18 | -0.24 | 3.32 | 1.00 | 3.07 | 0.04 | 0.07 | 0.28 | 0.00 |
| Col156 | 13 | -0.45 | 21.18 | -0.24 | 3.32 | 1.00 | 3.07 | 0.02 | 0.07 | 0.30 | 0.00 |
| Col156 | 14 | -0.60 | 21.18 | -0.24 | 3.32 | 1.00 | 3.07 | 0.03 | 0.07 | 0.30 | 0.00 |
| Col156 | 15 | -0.11 | 21.18 | -0.24 | 3.32 | 1.00 | 3.07 | 0.00 | 0.07 | 0.32 | 0.00 |
| Col156 | 16 | 0.92 | 8.57 | -0.18 | 3.32 | 0.75 | 3.07 | 0.11 | 0.06 | 0.35 | 0.00 |
| Col156 | 17 | 1.29 | 8.57 | -0.18 | 3.32 | 0.75 | 3.07 | 0.15 | 0.06 | 0.39 | 0.00 |
| Col156 | 18 | 0.66 | 8.57 | -0.18 | 3.32 | 0.75 | 3.07 | 0.08 | 0.06 | 0.32 | 0.00 |
| Col156 | 19 | 1.03 | 8.57 | -0.18 | 3.32 | 0.75 | 3.07 | 0.12 | 0.06 | 0.36 | 0.00 |
| Col156 | 20 | 0.50 | 8.57 | -0.18 | 3.32 | 0.75 | 3.07 | 0.06 | 0.06 | 0.30 | 0.00 |
| Col156 | 21 | 0.87 | 8.57 | -0.18 | 3.32 | 0.75 | 3.07 | 0.10 | 0.06 | 0.34 | 0.00 |
| Col156 | 22 | 0.24 | 8.57 | -0.18 | 3.32 | 0.75 | 3.07 | 0.03 | 0.06 | 0.27 | 0.00 |
| Col156 | 23 | 0.61 | 8.57 | -0.18 | 3.32 | 0.75 | 3.07 | 0.07 | 0.06 | 0.31 | 0.00 |
| Col156 | 24 | 0.50 | 8.57 | -0.18 | 3.32 | 0.75 | 3.07 | 0.06 | 0.06 | 0.30 | 0.00 |
| Col156 | 25 | 0.87 | 8.57 | -0.18 | 3.32 | 0.75 | 3.07 | 0.10 | 0.06 | 0.34 | 0.00 |
| Col156 | 26 | 0.24 | 8.57 | -0.18 | 3.32 | 0.75 | 3.07 | 0.03 | 0.06 | 0.27 | 0.00 |
| Col156 | 27 | 0.61 | 8.57 | -0.18 | 3.32 | 0.75 | 3.07 | 0.07 | 0.06 | 0.31 | 0.00 |
| Col156 | 28 | -1.02 | 21.18 | 0.24 | 3.32 | -1.00 | 3.07 | 0.05 | 0.07 | 0.28 | 0.00 |
| Col156 | 29 | -0.52 | 21.18 | 0.24 | 3.32 | -1.00 | 3.07 | 0.02 | 0.07 | 0.30 | 0.00 |
| Col156 | 30 | -1.02 | 21.18 | -0.24 | 3.32 | 1.00 | 3.07 | 0.05 | 0.07 | 0.28 | 0.00 |
| Col156 | 31 | -0.52 | 21.18 | -0.24 | 3.32 | 1.00 | 3.07 | 0.02 | 0.07 | 0.30 | 0.00 |
| Col156 | 32 | -1.02 | 21.18 | -0.24 | 3.32 | 1.00 | 3.07 | 0.05 | 0.07 | 0.28 | 0.00 |
| Col156 | 33 | -0.52 | 21.18 | -0.24 | 3.32 | 1.00 | 3.07 | 0.02 | 0.07 | 0.30 | 0.00 |
| Col156 | 34 | -0.67 | 21.18 | -0.24 | 3.32 | 1.00 | 3.07 | 0.03 | 0.07 | 0.29 | 0.00 |
| Col156 | 35 | -0.17 | 21.18 | -0.24 | 3.32 | 1.00 | 3.07 | 0.01 | 0.07 | 0.32 | 0.00 |
| Col156 | 36 | 0.26 | 8.57 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col156 | 37 | 0.26 | 8.57 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col156 | 38 | 1.54 | 8.57 | 0.00 | 3.32 | 0.00 | 3.07 | 0.18 | 0.00 | 0.18 | 0.00 |
| Col156 | 39 | 1.54 | 8.57 | 0.00 | 3.32 | 0.00 | 3.07 | 0.18 | 0.00 | 0.18 | 0.00 |
| Col156 | 40 | 1.12 | 8.57 | 0.00 | 3.32 | 0.00 | 3.07 | 0.13 | 0.00 | 0.13 | 0.00 |
| Col156 | 41 | 1.12 | 8.57 | 0.00 | 3.32 | 0.00 | 3.07 | 0.13 | 0.00 | 0.13 | 0.00 |
| Col156 | 42 | 1.12 | 8.57 | 0.00 | 3.32 | 0.00 | 3.07 | 0.13 | 0.00 | 0.13 | 0.00 |
| Col156 | 43 | 1.12 | 8.57 | 0.00 | 3.32 | 0.00 | 3.07 | 0.13 | 0.00 | 0.13 | 0.00 |
| Col156 | 44 | 0.14 | 8.57 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col156 | 45 | 0.14 | 8.57 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |

| | | | | | | | | | | | |
|--------|----|-------|-------|-------|------|-------|------|------|------|------|------|
| Col156 | 46 | 1.62 | 8.57 | 0.00 | 3.32 | 0.00 | 3.07 | 0.19 | 0.00 | 0.19 | 0.00 |
| Col156 | 47 | 0.67 | 8.57 | -0.18 | 3.32 | 0.75 | 3.07 | 0.08 | 0.06 | 0.32 | 0.00 |
| Col156 | 48 | 1.04 | 8.57 | -0.18 | 3.32 | 0.75 | 3.07 | 0.12 | 0.06 | 0.36 | 0.00 |
| Col156 | 49 | 0.26 | 8.57 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col156 | 50 | 0.26 | 8.57 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col156 | 51 | 0.15 | 8.57 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col156 | 52 | 0.15 | 8.57 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col157 | 1 | 1.96 | 8.46 | 0.00 | 3.32 | 0.00 | 3.07 | 0.23 | 0.00 | 0.23 | 0.00 |
| Col157 | 2 | 0.26 | 8.46 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col157 | 3 | 1.40 | 8.46 | 0.00 | 3.32 | 0.00 | 3.07 | 0.17 | 0.00 | 0.17 | 0.00 |
| Col157 | 4 | 1.40 | 8.46 | 0.00 | 3.32 | 0.00 | 3.07 | 0.17 | 0.00 | 0.17 | 0.00 |
| Col157 | 5 | 1.53 | 8.46 | 0.00 | 3.32 | 0.00 | 3.07 | 0.18 | 0.00 | 0.18 | 0.00 |
| Col157 | 6 | 1.11 | 8.46 | 0.00 | 3.32 | 0.00 | 3.07 | 0.13 | 0.00 | 0.13 | 0.00 |
| Col157 | 7 | 1.11 | 8.46 | 0.00 | 3.32 | 0.00 | 3.07 | 0.13 | 0.00 | 0.13 | 0.00 |
| Col157 | 8 | -0.95 | 21.18 | 0.25 | 3.32 | -1.02 | 3.07 | 0.04 | 0.07 | 0.29 | 0.00 |
| Col157 | 9 | -0.45 | 21.18 | 0.25 | 3.32 | -1.02 | 3.07 | 0.02 | 0.07 | 0.31 | 0.00 |
| Col157 | 10 | -0.95 | 21.18 | -0.25 | 3.32 | 1.02 | 3.07 | 0.04 | 0.07 | 0.29 | 0.00 |
| Col157 | 11 | -0.45 | 21.18 | -0.25 | 3.32 | 1.02 | 3.07 | 0.02 | 0.07 | 0.31 | 0.00 |
| Col157 | 12 | -0.95 | 21.18 | -0.25 | 3.32 | 1.02 | 3.07 | 0.04 | 0.07 | 0.29 | 0.00 |
| Col157 | 13 | -0.45 | 21.18 | -0.25 | 3.32 | 1.02 | 3.07 | 0.02 | 0.07 | 0.31 | 0.00 |
| Col157 | 14 | -0.60 | 21.18 | -0.25 | 3.32 | 1.02 | 3.07 | 0.03 | 0.07 | 0.30 | 0.00 |
| Col157 | 15 | -0.10 | 21.18 | -0.25 | 3.32 | 1.02 | 3.07 | 0.00 | 0.07 | 0.33 | 0.00 |
| Col157 | 16 | 0.92 | 8.46 | -0.19 | 3.32 | 0.77 | 3.07 | 0.11 | 0.06 | 0.36 | 0.00 |
| Col157 | 17 | 1.29 | 8.46 | -0.19 | 3.32 | 0.77 | 3.07 | 0.15 | 0.06 | 0.40 | 0.00 |
| Col157 | 18 | 0.66 | 8.46 | -0.19 | 3.32 | 0.77 | 3.07 | 0.08 | 0.06 | 0.33 | 0.00 |
| Col157 | 19 | 1.03 | 8.46 | -0.19 | 3.32 | 0.77 | 3.07 | 0.12 | 0.06 | 0.37 | 0.00 |
| Col157 | 20 | 0.50 | 8.46 | -0.19 | 3.32 | 0.77 | 3.07 | 0.06 | 0.06 | 0.31 | 0.00 |
| Col157 | 21 | 0.87 | 8.46 | -0.19 | 3.32 | 0.77 | 3.07 | 0.10 | 0.06 | 0.35 | 0.00 |
| Col157 | 22 | 0.24 | 8.46 | -0.19 | 3.32 | 0.77 | 3.07 | 0.03 | 0.06 | 0.28 | 0.00 |
| Col157 | 23 | 0.61 | 8.46 | -0.19 | 3.32 | 0.77 | 3.07 | 0.07 | 0.06 | 0.32 | 0.00 |
| Col157 | 24 | 0.50 | 8.46 | -0.19 | 3.32 | 0.77 | 3.07 | 0.06 | 0.06 | 0.31 | 0.00 |
| Col157 | 25 | 0.87 | 8.46 | -0.19 | 3.32 | 0.77 | 3.07 | 0.10 | 0.06 | 0.35 | 0.00 |
| Col157 | 26 | 0.24 | 8.46 | -0.19 | 3.32 | 0.77 | 3.07 | 0.03 | 0.06 | 0.28 | 0.00 |
| Col157 | 27 | 0.61 | 8.46 | -0.19 | 3.32 | 0.77 | 3.07 | 0.07 | 0.06 | 0.32 | 0.00 |
| Col157 | 28 | -1.02 | 21.18 | 0.25 | 3.32 | -1.02 | 3.07 | 0.05 | 0.07 | 0.28 | 0.00 |
| Col157 | 29 | -0.52 | 21.18 | 0.25 | 3.32 | -1.02 | 3.07 | 0.02 | 0.07 | 0.31 | 0.00 |
| Col157 | 30 | -1.02 | 21.18 | -0.25 | 3.32 | 1.02 | 3.07 | 0.05 | 0.07 | 0.28 | 0.00 |
| Col157 | 31 | -0.52 | 21.18 | -0.25 | 3.32 | 1.02 | 3.07 | 0.02 | 0.07 | 0.31 | 0.00 |
| Col157 | 32 | -1.02 | 21.18 | -0.25 | 3.32 | 1.02 | 3.07 | 0.05 | 0.07 | 0.28 | 0.00 |
| Col157 | 33 | -0.52 | 21.18 | -0.25 | 3.32 | 1.02 | 3.07 | 0.02 | 0.07 | 0.31 | 0.00 |
| Col157 | 34 | -0.67 | 21.18 | -0.25 | 3.32 | 1.02 | 3.07 | 0.03 | 0.07 | 0.30 | 0.00 |
| Col157 | 35 | -0.17 | 21.18 | -0.25 | 3.32 | 1.02 | 3.07 | 0.01 | 0.07 | 0.32 | 0.00 |
| Col157 | 36 | 0.26 | 8.46 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col157 | 37 | 0.26 | 8.46 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col157 | 38 | 1.54 | 8.46 | 0.00 | 3.32 | 0.00 | 3.07 | 0.18 | 0.00 | 0.18 | 0.00 |
| Col157 | 39 | 1.54 | 8.46 | 0.00 | 3.32 | 0.00 | 3.07 | 0.18 | 0.00 | 0.18 | 0.00 |
| Col157 | 40 | 1.12 | 8.46 | 0.00 | 3.32 | 0.00 | 3.07 | 0.13 | 0.00 | 0.13 | 0.00 |
| Col157 | 41 | 1.12 | 8.46 | 0.00 | 3.32 | 0.00 | 3.07 | 0.13 | 0.00 | 0.13 | 0.00 |
| Col157 | 42 | 1.12 | 8.46 | 0.00 | 3.32 | 0.00 | 3.07 | 0.13 | 0.00 | 0.13 | 0.00 |
| Col157 | 43 | 1.12 | 8.46 | 0.00 | 3.32 | 0.00 | 3.07 | 0.13 | 0.00 | 0.13 | 0.00 |
| Col157 | 44 | 0.14 | 8.46 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col157 | 45 | 0.14 | 8.46 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col157 | 46 | 1.62 | 8.46 | 0.00 | 3.32 | 0.00 | 3.07 | 0.19 | 0.00 | 0.19 | 0.00 |
| Col157 | 47 | 0.67 | 8.46 | -0.19 | 3.32 | 0.77 | 3.07 | 0.08 | 0.06 | 0.33 | 0.00 |
| Col157 | 48 | 1.04 | 8.46 | -0.19 | 3.32 | 0.77 | 3.07 | 0.12 | 0.06 | 0.37 | 0.00 |
| Col157 | 49 | 0.26 | 8.46 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col157 | 50 | 0.26 | 8.46 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col157 | 51 | 0.15 | 8.46 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col157 | 52 | 0.15 | 8.46 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col158 | 1 | 1.96 | 8.36 | 0.00 | 3.32 | 0.00 | 3.07 | 0.23 | 0.00 | 0.23 | 0.00 |
| Col158 | 2 | 0.26 | 8.36 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col158 | 3 | 1.40 | 8.36 | 0.00 | 3.32 | 0.00 | 3.07 | 0.17 | 0.00 | 0.17 | 0.00 |
| Col158 | 4 | 1.40 | 8.36 | 0.00 | 3.32 | 0.00 | 3.07 | 0.17 | 0.00 | 0.17 | 0.00 |
| Col158 | 5 | 1.53 | 8.36 | 0.00 | 3.32 | 0.00 | 3.07 | 0.18 | 0.00 | 0.18 | 0.00 |
| Col158 | 6 | 1.11 | 8.36 | 0.00 | 3.32 | 0.00 | 3.07 | 0.13 | 0.00 | 0.13 | 0.00 |

| | | | | | | | | | | | |
|-------|----|-------|-------|-------|------|-------|------|------|------|------|------|
| Col58 | 7 | 1.11 | 8.36 | 0.00 | 3.32 | 0.00 | 3.07 | 0.13 | 0.00 | 0.13 | 0.00 |
| Col58 | 8 | -0.95 | 21.18 | 0.25 | 3.32 | -1.05 | 3.07 | 0.04 | 0.08 | 0.30 | 0.00 |
| Col58 | 9 | -0.45 | 21.18 | 0.25 | 3.32 | -1.05 | 3.07 | 0.02 | 0.08 | 0.32 | 0.00 |
| Col58 | 10 | -0.95 | 21.18 | -0.25 | 3.32 | 1.05 | 3.07 | 0.04 | 0.08 | 0.30 | 0.00 |
| Col58 | 11 | -0.45 | 21.18 | -0.25 | 3.32 | 1.05 | 3.07 | 0.02 | 0.08 | 0.32 | 0.00 |
| Col58 | 12 | -0.95 | 21.18 | -0.25 | 3.32 | 1.05 | 3.07 | 0.04 | 0.08 | 0.30 | 0.00 |
| Col58 | 13 | -0.45 | 21.18 | -0.25 | 3.32 | 1.05 | 3.07 | 0.02 | 0.08 | 0.32 | 0.00 |
| Col58 | 14 | -0.60 | 21.18 | -0.25 | 3.32 | 1.05 | 3.07 | 0.03 | 0.08 | 0.31 | 0.00 |
| Col58 | 15 | -0.10 | 21.18 | -0.25 | 3.32 | 1.05 | 3.07 | 0.00 | 0.08 | 0.34 | 0.00 |
| Col58 | 16 | 0.92 | 8.36 | -0.19 | 3.32 | 0.79 | 3.07 | 0.11 | 0.06 | 0.37 | 0.00 |
| Col58 | 17 | 1.29 | 8.36 | -0.19 | 3.32 | 0.79 | 3.07 | 0.15 | 0.06 | 0.41 | 0.00 |
| Col58 | 18 | 0.66 | 8.36 | -0.19 | 3.32 | 0.79 | 3.07 | 0.08 | 0.06 | 0.33 | 0.00 |
| Col58 | 19 | 1.03 | 8.36 | -0.19 | 3.32 | 0.79 | 3.07 | 0.12 | 0.06 | 0.38 | 0.00 |
| Col58 | 20 | 0.50 | 8.36 | -0.19 | 3.32 | 0.79 | 3.07 | 0.06 | 0.06 | 0.32 | 0.00 |
| Col58 | 21 | 0.87 | 8.36 | -0.19 | 3.32 | 0.79 | 3.07 | 0.10 | 0.06 | 0.36 | 0.00 |
| Col58 | 22 | 0.24 | 8.36 | -0.19 | 3.32 | 0.79 | 3.07 | 0.03 | 0.06 | 0.28 | 0.00 |
| Col58 | 23 | 0.61 | 8.36 | -0.19 | 3.32 | 0.79 | 3.07 | 0.07 | 0.06 | 0.33 | 0.00 |
| Col58 | 24 | 0.50 | 8.36 | -0.19 | 3.32 | 0.79 | 3.07 | 0.06 | 0.06 | 0.32 | 0.00 |
| Col58 | 25 | 0.87 | 8.36 | -0.19 | 3.32 | 0.79 | 3.07 | 0.10 | 0.06 | 0.36 | 0.00 |
| Col58 | 26 | 0.24 | 8.36 | -0.19 | 3.32 | 0.79 | 3.07 | 0.03 | 0.06 | 0.28 | 0.00 |
| Col58 | 27 | 0.61 | 8.36 | -0.19 | 3.32 | 0.79 | 3.07 | 0.07 | 0.06 | 0.33 | 0.00 |
| Col58 | 28 | -1.02 | 21.18 | 0.25 | 3.32 | -1.05 | 3.07 | 0.05 | 0.08 | 0.29 | 0.00 |
| Col58 | 29 | -0.52 | 21.18 | 0.25 | 3.32 | -1.05 | 3.07 | 0.02 | 0.08 | 0.32 | 0.00 |
| Col58 | 30 | -1.02 | 21.18 | -0.25 | 3.32 | 1.05 | 3.07 | 0.05 | 0.08 | 0.29 | 0.00 |
| Col58 | 31 | -0.52 | 21.18 | -0.25 | 3.32 | 1.05 | 3.07 | 0.02 | 0.08 | 0.32 | 0.00 |
| Col58 | 32 | -1.02 | 21.18 | -0.25 | 3.32 | 1.05 | 3.07 | 0.05 | 0.08 | 0.29 | 0.00 |
| Col58 | 33 | -0.52 | 21.18 | -0.25 | 3.32 | 1.05 | 3.07 | 0.02 | 0.08 | 0.32 | 0.00 |
| Col58 | 34 | -0.67 | 21.18 | -0.25 | 3.32 | 1.05 | 3.07 | 0.03 | 0.08 | 0.31 | 0.00 |
| Col58 | 35 | -0.17 | 21.18 | -0.25 | 3.32 | 1.05 | 3.07 | 0.01 | 0.08 | 0.33 | 0.00 |
| Col58 | 36 | 0.26 | 8.36 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col58 | 37 | 0.26 | 8.36 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col58 | 38 | 1.54 | 8.36 | 0.00 | 3.32 | 0.00 | 3.07 | 0.18 | 0.00 | 0.18 | 0.00 |
| Col58 | 39 | 1.54 | 8.36 | 0.00 | 3.32 | 0.00 | 3.07 | 0.18 | 0.00 | 0.18 | 0.00 |
| Col58 | 40 | 1.12 | 8.36 | 0.00 | 3.32 | 0.00 | 3.07 | 0.13 | 0.00 | 0.13 | 0.00 |
| Col58 | 41 | 1.12 | 8.36 | 0.00 | 3.32 | 0.00 | 3.07 | 0.13 | 0.00 | 0.13 | 0.00 |
| Col58 | 42 | 1.12 | 8.36 | 0.00 | 3.32 | 0.00 | 3.07 | 0.13 | 0.00 | 0.13 | 0.00 |
| Col58 | 43 | 1.12 | 8.36 | 0.00 | 3.32 | 0.00 | 3.07 | 0.13 | 0.00 | 0.13 | 0.00 |
| Col58 | 44 | 0.14 | 8.36 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col58 | 45 | 0.14 | 8.36 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col58 | 46 | 1.62 | 8.36 | 0.00 | 3.32 | 0.00 | 3.07 | 0.19 | 0.00 | 0.19 | 0.00 |
| Col58 | 47 | 0.67 | 8.36 | -0.19 | 3.32 | 0.79 | 3.07 | 0.08 | 0.06 | 0.34 | 0.00 |
| Col58 | 48 | 1.04 | 8.36 | -0.19 | 3.32 | 0.79 | 3.07 | 0.12 | 0.06 | 0.38 | 0.00 |
| Col58 | 49 | 0.26 | 8.36 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col58 | 50 | 0.26 | 8.36 | 0.00 | 3.32 | 0.00 | 3.07 | 0.03 | 0.00 | 0.03 | 0.00 |
| Col58 | 51 | 0.15 | 8.36 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |
| Col58 | 52 | 0.15 | 8.36 | 0.00 | 3.32 | 0.00 | 3.07 | 0.02 | 0.00 | 0.02 | 0.00 |

COLUMN REACTIONS:

| Id | Load | | In_Plane Horz(k) | Out_Plane Horz(k) |
|--------|------|----------|----------------------|-----------------------|
| | Id | Vert(k) | | |
| Col150 | 1 | 1.95 | 0.00 | 0.00 |
| Col150 | 2 | 0.25 | 0.00 | 0.00 |
| Col150 | 3 | 1.39 | 0.00 | 0.00 |
| Col150 | 4 | 1.39 | 0.00 | 0.00 |
| Col150 | 5 | 1.53 | 0.00 | 0.00 |
| Col150 | 6 | 1.11 | 0.00 | 0.00 |
| Col150 | 7 | 1.11 | 0.00 | 0.00 |
| Col150 | 8 | -0.95 | 0.00 | -0.23 |
| Col150 | 9 | -0.46 | 0.00 | -0.23 |
| Col150 | 10 | -0.95 | 0.00 | 0.23 |
| Col150 | 11 | -0.46 | 0.00 | 0.23 |
| Col150 | 12 | -0.95 | 0.00 | 0.23 |
| Col150 | 13 | -0.46 | 0.00 | 0.23 |

| | | | | |
|--------|----|-------|------|-------|
| Col150 | 14 | -0.60 | 0.00 | 0.23 |
| Col150 | 15 | -0.11 | 0.00 | 0.23 |
| Col150 | 16 | 0.92 | 0.00 | 0.17 |
| Col150 | 17 | 1.29 | 0.00 | 0.17 |
| Col150 | 18 | 0.66 | 0.00 | 0.17 |
| Col150 | 19 | 1.03 | 0.00 | 0.17 |
| Col150 | 20 | 0.50 | 0.00 | 0.17 |
| Col150 | 21 | 0.87 | 0.00 | 0.17 |
| Col150 | 22 | 0.24 | 0.00 | 0.17 |
| Col150 | 23 | 0.61 | 0.00 | 0.17 |
| Col150 | 24 | 0.50 | 0.00 | 0.17 |
| Col150 | 25 | 0.87 | 0.00 | 0.17 |
| Col150 | 26 | 0.24 | 0.00 | 0.17 |
| Col150 | 27 | 0.61 | 0.00 | 0.17 |
| Col150 | 28 | -1.02 | 0.00 | -0.23 |
| Col150 | 29 | -0.53 | 0.00 | -0.23 |
| Col150 | 30 | -1.02 | 0.00 | 0.23 |
| Col150 | 31 | -0.53 | 0.00 | 0.23 |
| Col150 | 32 | -1.02 | 0.00 | 0.23 |
| Col150 | 33 | -0.53 | 0.00 | 0.23 |
| Col150 | 34 | -0.67 | 0.00 | 0.23 |
| Col150 | 35 | -0.18 | 0.00 | 0.23 |
| Col150 | 36 | 0.26 | 0.00 | 0.00 |
| Col150 | 37 | 0.26 | 0.00 | 0.00 |
| Col150 | 38 | 1.53 | 0.00 | 0.00 |
| Col150 | 39 | 1.53 | 0.00 | 0.00 |
| Col150 | 40 | 1.11 | 0.00 | 0.00 |
| Col150 | 41 | 1.11 | 0.00 | 0.00 |
| Col150 | 42 | 1.11 | 0.00 | 0.00 |
| Col150 | 43 | 1.11 | 0.00 | 0.00 |
| Col150 | 44 | 0.14 | 0.00 | 0.00 |
| Col150 | 45 | 0.14 | 0.00 | 0.00 |
| Col150 | 46 | 1.62 | 0.00 | 0.00 |
| Col150 | 47 | 0.66 | 0.00 | 0.17 |
| Col150 | 48 | 1.04 | 0.00 | 0.17 |
| Col150 | 49 | 0.25 | 0.00 | 0.00 |
| Col150 | 50 | 0.25 | 0.00 | 0.00 |
| Col150 | 51 | 0.14 | 0.00 | 0.00 |
| Col150 | 52 | 0.14 | 0.00 | 0.00 |
| Col151 | 1 | 1.96 | 0.00 | 0.00 |
| Col151 | 2 | 0.26 | 0.00 | 0.00 |
| Col151 | 3 | 1.39 | 0.00 | 0.00 |
| Col151 | 4 | 1.39 | 0.00 | 0.00 |
| Col151 | 5 | 1.53 | 0.00 | 0.00 |
| Col151 | 6 | 1.11 | 0.00 | 0.00 |
| Col151 | 7 | 1.11 | 0.00 | 0.00 |
| Col151 | 8 | -0.95 | 0.00 | -0.23 |
| Col151 | 9 | -0.46 | 0.00 | -0.23 |
| Col151 | 10 | -0.95 | 0.00 | 0.23 |
| Col151 | 11 | -0.46 | 0.00 | 0.23 |
| Col151 | 12 | -0.95 | 0.00 | 0.23 |
| Col151 | 13 | -0.46 | 0.00 | 0.23 |
| Col151 | 14 | -0.60 | 0.00 | 0.23 |
| Col151 | 15 | -0.11 | 0.00 | 0.23 |
| Col151 | 16 | 0.92 | 0.00 | 0.17 |
| Col151 | 17 | 1.29 | 0.00 | 0.17 |
| Col151 | 18 | 0.66 | 0.00 | 0.17 |
| Col151 | 19 | 1.03 | 0.00 | 0.17 |
| Col151 | 20 | 0.50 | 0.00 | 0.17 |
| Col151 | 21 | 0.87 | 0.00 | 0.17 |
| Col151 | 22 | 0.24 | 0.00 | 0.17 |
| Col151 | 23 | 0.61 | 0.00 | 0.17 |
| Col151 | 24 | 0.50 | 0.00 | 0.17 |
| Col151 | 25 | 0.87 | 0.00 | 0.17 |
| Col151 | 26 | 0.24 | 0.00 | 0.17 |

| | | | | |
|-------|----|-------|------|-------|
| Col51 | 27 | 0.61 | 0.00 | 0.17 |
| Col51 | 28 | -1.02 | 0.00 | -0.23 |
| Col51 | 29 | -0.53 | 0.00 | -0.23 |
| Col51 | 30 | -1.02 | 0.00 | 0.23 |
| Col51 | 31 | -0.53 | 0.00 | 0.23 |
| Col51 | 32 | -1.02 | 0.00 | 0.23 |
| Col51 | 33 | -0.53 | 0.00 | 0.23 |
| Col51 | 34 | -0.67 | 0.00 | 0.23 |
| Col51 | 35 | -0.18 | 0.00 | 0.23 |
| Col51 | 36 | 0.26 | 0.00 | 0.00 |
| Col51 | 37 | 0.26 | 0.00 | 0.00 |
| Col51 | 38 | 1.53 | 0.00 | 0.00 |
| Col51 | 39 | 1.53 | 0.00 | 0.00 |
| Col51 | 40 | 1.11 | 0.00 | 0.00 |
| Col51 | 41 | 1.11 | 0.00 | 0.00 |
| Col51 | 42 | 1.11 | 0.00 | 0.00 |
| Col51 | 43 | 1.11 | 0.00 | 0.00 |
| Col51 | 44 | 0.14 | 0.00 | 0.00 |
| Col51 | 45 | 0.14 | 0.00 | 0.00 |
| Col51 | 46 | 1.62 | 0.00 | 0.00 |
| Col51 | 47 | 0.66 | 0.00 | 0.17 |
| Col51 | 48 | 1.04 | 0.00 | 0.17 |
| Col51 | 49 | 0.26 | 0.00 | 0.00 |
| Col51 | 50 | 0.26 | 0.00 | 0.00 |
| Col51 | 51 | 0.14 | 0.00 | 0.00 |
| Col51 | 52 | 0.14 | 0.00 | 0.00 |
| Col52 | 1 | 1.96 | 0.00 | 0.00 |
| Col52 | 2 | 0.26 | 0.00 | 0.00 |
| Col52 | 3 | 1.39 | 0.00 | 0.00 |
| Col52 | 4 | 1.39 | 0.00 | 0.00 |
| Col52 | 5 | 1.53 | 0.00 | 0.00 |
| Col52 | 6 | 1.11 | 0.00 | 0.00 |
| Col52 | 7 | 1.11 | 0.00 | 0.00 |
| Col52 | 8 | -0.95 | 0.00 | -0.23 |
| Col52 | 9 | -0.46 | 0.00 | -0.23 |
| Col52 | 10 | -0.95 | 0.00 | 0.23 |
| Col52 | 11 | -0.46 | 0.00 | 0.23 |
| Col52 | 12 | -0.95 | 0.00 | 0.23 |
| Col52 | 13 | -0.46 | 0.00 | 0.23 |
| Col52 | 14 | -0.60 | 0.00 | 0.23 |
| Col52 | 15 | -0.11 | 0.00 | 0.23 |
| Col52 | 16 | 0.92 | 0.00 | 0.17 |
| Col52 | 17 | 1.29 | 0.00 | 0.17 |
| Col52 | 18 | 0.66 | 0.00 | 0.17 |
| Col52 | 19 | 1.03 | 0.00 | 0.17 |
| Col52 | 20 | 0.50 | 0.00 | 0.17 |
| Col52 | 21 | 0.87 | 0.00 | 0.17 |
| Col52 | 22 | 0.24 | 0.00 | 0.17 |
| Col52 | 23 | 0.61 | 0.00 | 0.17 |
| Col52 | 24 | 0.50 | 0.00 | 0.17 |
| Col52 | 25 | 0.87 | 0.00 | 0.17 |
| Col52 | 26 | 0.24 | 0.00 | 0.17 |
| Col52 | 27 | 0.61 | 0.00 | 0.17 |
| Col52 | 28 | -1.02 | 0.00 | -0.23 |
| Col52 | 29 | -0.52 | 0.00 | -0.23 |
| Col52 | 30 | -1.02 | 0.00 | 0.23 |
| Col52 | 31 | -0.52 | 0.00 | 0.23 |
| Col52 | 32 | -1.02 | 0.00 | 0.23 |
| Col52 | 33 | -0.52 | 0.00 | 0.23 |
| Col52 | 34 | -0.67 | 0.00 | 0.23 |
| Col52 | 35 | -0.18 | 0.00 | 0.23 |
| Col52 | 36 | 0.26 | 0.00 | 0.00 |
| Col52 | 37 | 0.26 | 0.00 | 0.00 |
| Col52 | 38 | 1.54 | 0.00 | 0.00 |
| Col52 | 39 | 1.53 | 0.00 | 0.00 |

| | | | | |
|-------|----|-------|------|-------|
| Col52 | 40 | 1.11 | 0.00 | 0.00 |
| Col52 | 41 | 1.11 | 0.00 | 0.00 |
| Col52 | 42 | 1.11 | 0.00 | 0.00 |
| Col52 | 43 | 1.11 | 0.00 | 0.00 |
| Col52 | 44 | 0.14 | 0.00 | 0.00 |
| Col52 | 45 | 0.14 | 0.00 | 0.00 |
| Col52 | 46 | 1.62 | 0.00 | 0.00 |
| Col52 | 47 | 0.67 | 0.00 | 0.17 |
| Col52 | 48 | 1.04 | 0.00 | 0.17 |
| Col52 | 49 | 0.26 | 0.00 | 0.00 |
| Col52 | 50 | 0.26 | 0.00 | 0.00 |
| Col52 | 51 | 0.15 | 0.00 | 0.00 |
| Col52 | 52 | 0.14 | 0.00 | 0.00 |
| Col53 | 1 | 1.96 | 0.00 | 0.00 |
| Col53 | 2 | 0.26 | 0.00 | 0.00 |
| Col53 | 3 | 1.40 | 0.00 | 0.00 |
| Col53 | 4 | 1.40 | 0.00 | 0.00 |
| Col53 | 5 | 1.53 | 0.00 | 0.00 |
| Col53 | 6 | 1.11 | 0.00 | 0.00 |
| Col53 | 7 | 1.11 | 0.00 | 0.00 |
| Col53 | 8 | -0.95 | 0.00 | -0.24 |
| Col53 | 9 | -0.46 | 0.00 | -0.24 |
| Col53 | 10 | -0.95 | 0.00 | 0.24 |
| Col53 | 11 | -0.46 | 0.00 | 0.24 |
| Col53 | 12 | -0.95 | 0.00 | 0.24 |
| Col53 | 13 | -0.46 | 0.00 | 0.24 |
| Col53 | 14 | -0.60 | 0.00 | 0.24 |
| Col53 | 15 | -0.11 | 0.00 | 0.24 |
| Col53 | 16 | 0.92 | 0.00 | 0.18 |
| Col53 | 17 | 1.29 | 0.00 | 0.18 |
| Col53 | 18 | 0.66 | 0.00 | 0.18 |
| Col53 | 19 | 1.03 | 0.00 | 0.18 |
| Col53 | 20 | 0.50 | 0.00 | 0.18 |
| Col53 | 21 | 0.87 | 0.00 | 0.18 |
| Col53 | 22 | 0.24 | 0.00 | 0.18 |
| Col53 | 23 | 0.61 | 0.00 | 0.18 |
| Col53 | 24 | 0.50 | 0.00 | 0.18 |
| Col53 | 25 | 0.87 | 0.00 | 0.18 |
| Col53 | 26 | 0.24 | 0.00 | 0.18 |
| Col53 | 27 | 0.61 | 0.00 | 0.18 |
| Col53 | 28 | -1.02 | 0.00 | -0.24 |
| Col53 | 29 | -0.52 | 0.00 | -0.24 |
| Col53 | 30 | -1.02 | 0.00 | 0.24 |
| Col53 | 31 | -0.52 | 0.00 | 0.24 |
| Col53 | 32 | -1.02 | 0.00 | 0.24 |
| Col53 | 33 | -0.52 | 0.00 | 0.24 |
| Col53 | 34 | -0.67 | 0.00 | 0.24 |
| Col53 | 35 | -0.17 | 0.00 | 0.24 |
| Col53 | 36 | 0.26 | 0.00 | 0.00 |
| Col53 | 37 | 0.26 | 0.00 | 0.00 |
| Col53 | 38 | 1.54 | 0.00 | 0.00 |
| Col53 | 39 | 1.54 | 0.00 | 0.00 |
| Col53 | 40 | 1.11 | 0.00 | 0.00 |
| Col53 | 41 | 1.11 | 0.00 | 0.00 |
| Col53 | 42 | 1.11 | 0.00 | 0.00 |
| Col53 | 43 | 1.11 | 0.00 | 0.00 |
| Col53 | 44 | 0.14 | 0.00 | 0.00 |
| Col53 | 45 | 0.14 | 0.00 | 0.00 |
| Col53 | 46 | 1.62 | 0.00 | 0.00 |
| Col53 | 47 | 0.67 | 0.00 | 0.18 |
| Col53 | 48 | 1.04 | 0.00 | 0.18 |
| Col53 | 49 | 0.26 | 0.00 | 0.00 |
| Col53 | 50 | 0.26 | 0.00 | 0.00 |
| Col53 | 51 | 0.15 | 0.00 | 0.00 |
| Col53 | 52 | 0.15 | 0.00 | 0.00 |

| | | | | |
|--------|----|-------|------|-------|
| Col154 | 1 | 1.96 | 0.00 | 0.00 |
| Col154 | 2 | 0.26 | 0.00 | 0.00 |
| Col154 | 3 | 1.40 | 0.00 | 0.00 |
| Col154 | 4 | 1.40 | 0.00 | 0.00 |
| Col154 | 5 | 1.53 | 0.00 | 0.00 |
| Col154 | 6 | 1.11 | 0.00 | 0.00 |
| Col154 | 7 | 1.11 | 0.00 | 0.00 |
| Col154 | 8 | -0.95 | 0.00 | -0.24 |
| Col154 | 9 | -0.46 | 0.00 | -0.24 |
| Col154 | 10 | -0.95 | 0.00 | 0.24 |
| Col154 | 11 | -0.46 | 0.00 | 0.24 |
| Col154 | 12 | -0.95 | 0.00 | 0.24 |
| Col154 | 13 | -0.46 | 0.00 | 0.24 |
| Col154 | 14 | -0.60 | 0.00 | 0.24 |
| Col154 | 15 | -0.11 | 0.00 | 0.24 |
| Col154 | 16 | 0.92 | 0.00 | 0.18 |
| Col154 | 17 | 1.29 | 0.00 | 0.18 |
| Col154 | 18 | 0.66 | 0.00 | 0.18 |
| Col154 | 19 | 1.03 | 0.00 | 0.18 |
| Col154 | 20 | 0.50 | 0.00 | 0.18 |
| Col154 | 21 | 0.87 | 0.00 | 0.18 |
| Col154 | 22 | 0.24 | 0.00 | 0.18 |
| Col154 | 23 | 0.61 | 0.00 | 0.18 |
| Col154 | 24 | 0.50 | 0.00 | 0.18 |
| Col154 | 25 | 0.87 | 0.00 | 0.18 |
| Col154 | 26 | 0.24 | 0.00 | 0.18 |
| Col154 | 27 | 0.61 | 0.00 | 0.18 |
| Col154 | 28 | -1.02 | 0.00 | -0.24 |
| Col154 | 29 | -0.52 | 0.00 | -0.24 |
| Col154 | 30 | -1.02 | 0.00 | 0.24 |
| Col154 | 31 | -0.52 | 0.00 | 0.24 |
| Col154 | 32 | -1.02 | 0.00 | 0.24 |
| Col154 | 33 | -0.52 | 0.00 | 0.24 |
| Col154 | 34 | -0.67 | 0.00 | 0.24 |
| Col154 | 35 | -0.17 | 0.00 | 0.24 |
| Col154 | 36 | 0.26 | 0.00 | 0.00 |
| Col154 | 37 | 0.26 | 0.00 | 0.00 |
| Col154 | 38 | 1.54 | 0.00 | 0.00 |
| Col154 | 39 | 1.54 | 0.00 | 0.00 |
| Col154 | 40 | 1.12 | 0.00 | 0.00 |
| Col154 | 41 | 1.12 | 0.00 | 0.00 |
| Col154 | 42 | 1.12 | 0.00 | 0.00 |
| Col154 | 43 | 1.12 | 0.00 | 0.00 |
| Col154 | 44 | 0.14 | 0.00 | 0.00 |
| Col154 | 45 | 0.14 | 0.00 | 0.00 |
| Col154 | 46 | 1.62 | 0.00 | 0.00 |
| Col154 | 47 | 0.67 | 0.00 | 0.18 |
| Col154 | 48 | 1.04 | 0.00 | 0.18 |
| Col154 | 49 | 0.26 | 0.00 | 0.00 |
| Col154 | 50 | 0.26 | 0.00 | 0.00 |
| Col154 | 51 | 0.15 | 0.00 | 0.00 |
| Col154 | 52 | 0.15 | 0.00 | 0.00 |
| Col155 | 1 | 1.96 | 0.00 | 0.00 |
| Col155 | 2 | 0.26 | 0.00 | 0.00 |
| Col155 | 3 | 1.40 | 0.00 | 0.00 |
| Col155 | 4 | 1.40 | 0.00 | 0.00 |
| Col155 | 5 | 1.53 | 0.00 | 0.00 |
| Col155 | 6 | 1.11 | 0.00 | 0.00 |
| Col155 | 7 | 1.11 | 0.00 | 0.00 |
| Col155 | 8 | -0.95 | 0.00 | -0.24 |
| Col155 | 9 | -0.46 | 0.00 | -0.24 |
| Col155 | 10 | -0.95 | 0.00 | 0.24 |
| Col155 | 11 | -0.46 | 0.00 | 0.24 |
| Col155 | 12 | -0.95 | 0.00 | 0.24 |
| Col155 | 13 | -0.46 | 0.00 | 0.24 |

| | | | | |
|-------|----|-------|------|-------|
| Col55 | 14 | -0.60 | 0.00 | 0.24 |
| Col55 | 15 | -0.11 | 0.00 | 0.24 |
| Col55 | 16 | 0.92 | 0.00 | 0.18 |
| Col55 | 17 | 1.29 | 0.00 | 0.18 |
| Col55 | 18 | 0.66 | 0.00 | 0.18 |
| Col55 | 19 | 1.03 | 0.00 | 0.18 |
| Col55 | 20 | 0.50 | 0.00 | 0.18 |
| Col55 | 21 | 0.87 | 0.00 | 0.18 |
| Col55 | 22 | 0.24 | 0.00 | 0.18 |
| Col55 | 23 | 0.61 | 0.00 | 0.18 |
| Col55 | 24 | 0.50 | 0.00 | 0.18 |
| Col55 | 25 | 0.87 | 0.00 | 0.18 |
| Col55 | 26 | 0.24 | 0.00 | 0.18 |
| Col55 | 27 | 0.61 | 0.00 | 0.18 |
| Col55 | 28 | -1.02 | 0.00 | -0.24 |
| Col55 | 29 | -0.52 | 0.00 | -0.24 |
| Col55 | 30 | -1.02 | 0.00 | 0.24 |
| Col55 | 31 | -0.52 | 0.00 | 0.24 |
| Col55 | 32 | -1.02 | 0.00 | 0.24 |
| Col55 | 33 | -0.52 | 0.00 | 0.24 |
| Col55 | 34 | -0.67 | 0.00 | 0.24 |
| Col55 | 35 | -0.17 | 0.00 | 0.24 |
| Col55 | 36 | 0.26 | 0.00 | 0.00 |
| Col55 | 37 | 0.26 | 0.00 | 0.00 |
| Col55 | 38 | 1.54 | 0.00 | 0.00 |
| Col55 | 39 | 1.54 | 0.00 | 0.00 |
| Col55 | 40 | 1.12 | 0.00 | 0.00 |
| Col55 | 41 | 1.12 | 0.00 | 0.00 |
| Col55 | 42 | 1.12 | 0.00 | 0.00 |
| Col55 | 43 | 1.12 | 0.00 | 0.00 |
| Col55 | 44 | 0.14 | 0.00 | 0.00 |
| Col55 | 45 | 0.14 | 0.00 | 0.00 |
| Col55 | 46 | 1.62 | 0.00 | 0.00 |
| Col55 | 47 | 0.67 | 0.00 | 0.18 |
| Col55 | 48 | 1.04 | 0.00 | 0.18 |
| Col55 | 49 | 0.26 | 0.00 | 0.00 |
| Col55 | 50 | 0.26 | 0.00 | 0.00 |
| Col55 | 51 | 0.15 | 0.00 | 0.00 |
| Col55 | 52 | 0.15 | 0.00 | 0.00 |
| Col56 | 1 | 1.96 | 0.00 | 0.00 |
| Col56 | 2 | 0.26 | 0.00 | 0.00 |
| Col56 | 3 | 1.40 | 0.00 | 0.00 |
| Col56 | 4 | 1.40 | 0.00 | 0.00 |
| Col56 | 5 | 1.53 | 0.00 | 0.00 |
| Col56 | 6 | 1.11 | 0.00 | 0.00 |
| Col56 | 7 | 1.11 | 0.00 | 0.00 |
| Col56 | 8 | -0.95 | 0.00 | -0.24 |
| Col56 | 9 | -0.45 | 0.00 | -0.24 |
| Col56 | 10 | -0.95 | 0.00 | 0.24 |
| Col56 | 11 | -0.45 | 0.00 | 0.24 |
| Col56 | 12 | -0.95 | 0.00 | 0.24 |
| Col56 | 13 | -0.45 | 0.00 | 0.24 |
| Col56 | 14 | -0.60 | 0.00 | 0.24 |
| Col56 | 15 | -0.11 | 0.00 | 0.24 |
| Col56 | 16 | 0.92 | 0.00 | 0.18 |
| Col56 | 17 | 1.29 | 0.00 | 0.18 |
| Col56 | 18 | 0.66 | 0.00 | 0.18 |
| Col56 | 19 | 1.03 | 0.00 | 0.18 |
| Col56 | 20 | 0.50 | 0.00 | 0.18 |
| Col56 | 21 | 0.87 | 0.00 | 0.18 |
| Col56 | 22 | 0.24 | 0.00 | 0.18 |
| Col56 | 23 | 0.61 | 0.00 | 0.18 |
| Col56 | 24 | 0.50 | 0.00 | 0.18 |
| Col56 | 25 | 0.87 | 0.00 | 0.18 |
| Col56 | 26 | 0.24 | 0.00 | 0.18 |

| | | | | |
|--------|----|-------|------|-------|
| Col156 | 27 | 0.61 | 0.00 | 0.18 |
| Col156 | 28 | -1.02 | 0.00 | -0.24 |
| Col156 | 29 | -0.52 | 0.00 | -0.24 |
| Col156 | 30 | -1.02 | 0.00 | 0.24 |
| Col156 | 31 | -0.52 | 0.00 | 0.24 |
| Col156 | 32 | -1.02 | 0.00 | 0.24 |
| Col156 | 33 | -0.52 | 0.00 | 0.24 |
| Col156 | 34 | -0.67 | 0.00 | 0.24 |
| Col156 | 35 | -0.17 | 0.00 | 0.24 |
| Col156 | 36 | 0.26 | 0.00 | 0.00 |
| Col156 | 37 | 0.26 | 0.00 | 0.00 |
| Col156 | 38 | 1.54 | 0.00 | 0.00 |
| Col156 | 39 | 1.54 | 0.00 | 0.00 |
| Col156 | 40 | 1.12 | 0.00 | 0.00 |
| Col156 | 41 | 1.12 | 0.00 | 0.00 |
| Col156 | 42 | 1.12 | 0.00 | 0.00 |
| Col156 | 43 | 1.12 | 0.00 | 0.00 |
| Col156 | 44 | 0.14 | 0.00 | 0.00 |
| Col156 | 45 | 0.14 | 0.00 | 0.00 |
| Col156 | 46 | 1.62 | 0.00 | 0.00 |
| Col156 | 47 | 0.67 | 0.00 | 0.18 |
| Col156 | 48 | 1.04 | 0.00 | 0.18 |
| Col156 | 49 | 0.26 | 0.00 | 0.00 |
| Col156 | 50 | 0.26 | 0.00 | 0.00 |
| Col156 | 51 | 0.15 | 0.00 | 0.00 |
| Col156 | 52 | 0.15 | 0.00 | 0.00 |
| Col157 | 1 | 1.96 | 0.00 | 0.00 |
| Col157 | 2 | 0.26 | 0.00 | 0.00 |
| Col157 | 3 | 1.40 | 0.00 | 0.00 |
| Col157 | 4 | 1.40 | 0.00 | 0.00 |
| Col157 | 5 | 1.53 | 0.00 | 0.00 |
| Col157 | 6 | 1.11 | 0.00 | 0.00 |
| Col157 | 7 | 1.11 | 0.00 | 0.00 |
| Col157 | 8 | -0.95 | 0.00 | -0.25 |
| Col157 | 9 | -0.45 | 0.00 | -0.25 |
| Col157 | 10 | -0.95 | 0.00 | 0.25 |
| Col157 | 11 | -0.45 | 0.00 | 0.25 |
| Col157 | 12 | -0.95 | 0.00 | 0.25 |
| Col157 | 13 | -0.45 | 0.00 | 0.25 |
| Col157 | 14 | -0.60 | 0.00 | 0.25 |
| Col157 | 15 | -0.10 | 0.00 | 0.25 |
| Col157 | 16 | 0.92 | 0.00 | 0.19 |
| Col157 | 17 | 1.29 | 0.00 | 0.19 |
| Col157 | 18 | 0.66 | 0.00 | 0.19 |
| Col157 | 19 | 1.03 | 0.00 | 0.19 |
| Col157 | 20 | 0.50 | 0.00 | 0.19 |
| Col157 | 21 | 0.87 | 0.00 | 0.19 |
| Col157 | 22 | 0.24 | 0.00 | 0.19 |
| Col157 | 23 | 0.61 | 0.00 | 0.19 |
| Col157 | 24 | 0.50 | 0.00 | 0.19 |
| Col157 | 25 | 0.87 | 0.00 | 0.19 |
| Col157 | 26 | 0.24 | 0.00 | 0.19 |
| Col157 | 27 | 0.61 | 0.00 | 0.19 |
| Col157 | 28 | -1.02 | 0.00 | -0.25 |
| Col157 | 29 | -0.52 | 0.00 | -0.25 |
| Col157 | 30 | -1.02 | 0.00 | 0.25 |
| Col157 | 31 | -0.52 | 0.00 | 0.25 |
| Col157 | 32 | -1.02 | 0.00 | 0.25 |
| Col157 | 33 | -0.52 | 0.00 | 0.25 |
| Col157 | 34 | -0.67 | 0.00 | 0.25 |
| Col157 | 35 | -0.17 | 0.00 | 0.25 |
| Col157 | 36 | 0.26 | 0.00 | 0.00 |
| Col157 | 37 | 0.26 | 0.00 | 0.00 |
| Col157 | 38 | 1.54 | 0.00 | 0.00 |
| Col157 | 39 | 1.54 | 0.00 | 0.00 |

| | | | | |
|-------|----|-------|------|-------|
| Col57 | 40 | 1.12 | 0.00 | 0.00 |
| Col57 | 41 | 1.12 | 0.00 | 0.00 |
| Col57 | 42 | 1.12 | 0.00 | 0.00 |
| Col57 | 43 | 1.12 | 0.00 | 0.00 |
| Col57 | 44 | 0.14 | 0.00 | 0.00 |
| Col57 | 45 | 0.14 | 0.00 | 0.00 |
| Col57 | 46 | 1.62 | 0.00 | 0.00 |
| Col57 | 47 | 0.67 | 0.00 | 0.19 |
| Col57 | 48 | 1.04 | 0.00 | 0.19 |
| Col57 | 49 | 0.26 | 0.00 | 0.00 |
| Col57 | 50 | 0.26 | 0.00 | 0.00 |
| Col57 | 51 | 0.15 | 0.00 | 0.00 |
| Col57 | 52 | 0.15 | 0.00 | 0.00 |
| Col58 | 1 | 1.96 | 0.00 | 0.00 |
| Col58 | 2 | 0.26 | 0.00 | 0.00 |
| Col58 | 3 | 1.40 | 0.00 | 0.00 |
| Col58 | 4 | 1.40 | 0.00 | 0.00 |
| Col58 | 5 | 1.53 | 0.00 | 0.00 |
| Col58 | 6 | 1.11 | 0.00 | 0.00 |
| Col58 | 7 | 1.11 | 0.00 | 0.00 |
| Col58 | 8 | -0.95 | 0.00 | -0.25 |
| Col58 | 9 | -0.45 | 0.00 | -0.25 |
| Col58 | 10 | -0.95 | 0.00 | 0.25 |
| Col58 | 11 | -0.45 | 0.00 | 0.25 |
| Col58 | 12 | -0.95 | 0.00 | 0.25 |
| Col58 | 13 | -0.45 | 0.00 | 0.25 |
| Col58 | 14 | -0.60 | 0.00 | 0.25 |
| Col58 | 15 | -0.10 | 0.00 | 0.25 |
| Col58 | 16 | 0.92 | 0.00 | 0.19 |
| Col58 | 17 | 1.29 | 0.00 | 0.19 |
| Col58 | 18 | 0.66 | 0.00 | 0.19 |
| Col58 | 19 | 1.03 | 0.00 | 0.19 |
| Col58 | 20 | 0.50 | 0.00 | 0.19 |
| Col58 | 21 | 0.87 | 0.00 | 0.19 |
| Col58 | 22 | 0.24 | 0.00 | 0.19 |
| Col58 | 23 | 0.61 | 0.00 | 0.19 |
| Col58 | 24 | 0.50 | 0.00 | 0.19 |
| Col58 | 25 | 0.87 | 0.00 | 0.19 |
| Col58 | 26 | 0.24 | 0.00 | 0.19 |
| Col58 | 27 | 0.61 | 0.00 | 0.19 |
| Col58 | 28 | -1.02 | 0.00 | -0.25 |
| Col58 | 29 | -0.52 | 0.00 | -0.25 |
| Col58 | 30 | -1.02 | 0.00 | 0.25 |
| Col58 | 31 | -0.52 | 0.00 | 0.25 |
| Col58 | 32 | -1.02 | 0.00 | 0.25 |
| Col58 | 33 | -0.52 | 0.00 | 0.25 |
| Col58 | 34 | -0.67 | 0.00 | 0.25 |
| Col58 | 35 | -0.17 | 0.00 | 0.25 |
| Col58 | 36 | 0.26 | 0.00 | 0.00 |
| Col58 | 37 | 0.26 | 0.00 | 0.00 |
| Col58 | 38 | 1.54 | 0.00 | 0.00 |
| Col58 | 39 | 1.54 | 0.00 | 0.00 |
| Col58 | 40 | 1.12 | 0.00 | 0.00 |
| Col58 | 41 | 1.12 | 0.00 | 0.00 |
| Col58 | 42 | 1.12 | 0.00 | 0.00 |
| Col58 | 43 | 1.12 | 0.00 | 0.00 |
| Col58 | 44 | 0.14 | 0.00 | 0.00 |
| Col58 | 45 | 0.14 | 0.00 | 0.00 |
| Col58 | 46 | 1.62 | 0.00 | 0.00 |
| Col58 | 47 | 0.67 | 0.00 | 0.19 |
| Col58 | 48 | 1.04 | 0.00 | 0.19 |
| Col58 | 49 | 0.26 | 0.00 | 0.00 |
| Col58 | 50 | 0.26 | 0.00 | 0.00 |
| Col58 | 51 | 0.15 | 0.00 | 0.00 |
| Col58 | 52 | 0.15 | 0.00 | 0.00 |

COLUMN DEFLECTIONS:

| Id | Load | Deflection (in) | |
|--------|------|-----------------|-------|
| | Id | Calc | Limit |
| Col150 | 1 | 0.00 | 1.00 |
| Col150 | 2 | 0.00 | 1.00 |
| Col150 | 3 | 0.00 | 1.00 |
| Col150 | 4 | 0.00 | 1.00 |
| Col150 | 5 | 0.00 | 1.00 |
| Col150 | 6 | 0.00 | 1.00 |
| Col150 | 7 | 0.00 | 1.00 |
| Col150 | 8 | -0.31 | 1.00 |
| Col150 | 9 | -0.31 | 1.00 |
| Col150 | 10 | 0.31 | 1.00 |
| Col150 | 11 | 0.31 | 1.00 |
| Col150 | 12 | 0.31 | 1.00 |
| Col150 | 13 | 0.31 | 1.00 |
| Col150 | 14 | 0.31 | 1.00 |
| Col150 | 15 | 0.31 | 1.00 |
| Col150 | 16 | 0.23 | 1.00 |
| Col150 | 17 | 0.23 | 1.00 |
| Col150 | 18 | 0.23 | 1.00 |
| Col150 | 19 | 0.23 | 1.00 |
| Col150 | 20 | 0.23 | 1.00 |
| Col150 | 21 | 0.23 | 1.00 |
| Col150 | 22 | 0.23 | 1.00 |
| Col150 | 23 | 0.23 | 1.00 |
| Col150 | 24 | 0.23 | 1.00 |
| Col150 | 25 | 0.23 | 1.00 |
| Col150 | 26 | 0.23 | 1.00 |
| Col150 | 27 | 0.23 | 1.00 |
| Col150 | 28 | -0.31 | 1.00 |
| Col150 | 29 | -0.31 | 1.00 |
| Col150 | 30 | 0.31 | 1.00 |
| Col150 | 31 | 0.31 | 1.00 |
| Col150 | 32 | 0.31 | 1.00 |
| Col150 | 33 | 0.31 | 1.00 |
| Col150 | 34 | 0.31 | 1.00 |
| Col150 | 35 | 0.31 | 1.00 |
| Col150 | 36 | 0.00 | 1.00 |
| Col150 | 37 | 0.00 | 1.00 |
| Col150 | 38 | 0.00 | 1.00 |
| Col150 | 39 | 0.00 | 1.00 |
| Col150 | 40 | 0.00 | 1.00 |
| Col150 | 41 | 0.00 | 1.00 |
| Col150 | 42 | 0.00 | 1.00 |
| Col150 | 43 | 0.00 | 1.00 |
| Col150 | 44 | 0.00 | 1.00 |
| Col150 | 45 | 0.00 | 1.00 |
| Col150 | 46 | 0.00 | 1.00 |
| Col150 | 47 | 0.14 | 1.00 |
| Col150 | 48 | 0.14 | 1.00 |
| Col151 | 1 | 0.00 | 1.02 |
| Col151 | 2 | 0.00 | 1.02 |
| Col151 | 3 | 0.00 | 1.02 |
| Col151 | 4 | 0.00 | 1.02 |
| Col151 | 5 | 0.00 | 1.02 |
| Col151 | 6 | 0.00 | 1.02 |
| Col151 | 7 | 0.00 | 1.02 |
| Col151 | 8 | -0.33 | 1.02 |
| Col151 | 9 | -0.33 | 1.02 |
| Col151 | 10 | 0.33 | 1.02 |
| Col151 | 11 | 0.33 | 1.02 |

| | | | |
|-------|----|-------|------|
| Col51 | 12 | 0.33 | 1.02 |
| Col51 | 13 | 0.33 | 1.02 |
| Col51 | 14 | 0.33 | 1.02 |
| Col51 | 15 | 0.33 | 1.02 |
| Col51 | 16 | 0.25 | 1.02 |
| Col51 | 17 | 0.25 | 1.02 |
| Col51 | 18 | 0.25 | 1.02 |
| Col51 | 19 | 0.25 | 1.02 |
| Col51 | 20 | 0.25 | 1.02 |
| Col51 | 21 | 0.25 | 1.02 |
| Col51 | 22 | 0.25 | 1.02 |
| Col51 | 23 | 0.25 | 1.02 |
| Col51 | 24 | 0.25 | 1.02 |
| Col51 | 25 | 0.25 | 1.02 |
| Col51 | 26 | 0.25 | 1.02 |
| Col51 | 27 | 0.25 | 1.02 |
| Col51 | 28 | -0.33 | 1.02 |
| Col51 | 29 | -0.33 | 1.02 |
| Col51 | 30 | 0.33 | 1.02 |
| Col51 | 31 | 0.33 | 1.02 |
| Col51 | 32 | 0.33 | 1.02 |
| Col51 | 33 | 0.33 | 1.02 |
| Col51 | 34 | 0.33 | 1.02 |
| Col51 | 35 | 0.33 | 1.02 |
| Col51 | 36 | 0.00 | 1.02 |
| Col51 | 37 | 0.00 | 1.02 |
| Col51 | 38 | 0.00 | 1.02 |
| Col51 | 39 | 0.00 | 1.02 |
| Col51 | 40 | 0.00 | 1.02 |
| Col51 | 41 | 0.00 | 1.02 |
| Col51 | 42 | 0.00 | 1.02 |
| Col51 | 43 | 0.00 | 1.02 |
| Col51 | 44 | 0.00 | 1.02 |
| Col51 | 45 | 0.00 | 1.02 |
| Col51 | 46 | 0.00 | 1.02 |
| Col51 | 47 | 0.15 | 1.02 |
| Col51 | 48 | 0.15 | 1.02 |
| Col52 | 1 | 0.00 | 1.03 |
| Col52 | 2 | 0.00 | 1.03 |
| Col52 | 3 | 0.00 | 1.03 |
| Col52 | 4 | 0.00 | 1.03 |
| Col52 | 5 | 0.00 | 1.03 |
| Col52 | 6 | 0.00 | 1.03 |
| Col52 | 7 | 0.00 | 1.03 |
| Col52 | 8 | -0.35 | 1.03 |
| Col52 | 9 | -0.35 | 1.03 |
| Col52 | 10 | 0.35 | 1.03 |
| Col52 | 11 | 0.35 | 1.03 |
| Col52 | 12 | 0.35 | 1.03 |
| Col52 | 13 | 0.35 | 1.03 |
| Col52 | 14 | 0.35 | 1.03 |
| Col52 | 15 | 0.35 | 1.03 |
| Col52 | 16 | 0.26 | 1.03 |
| Col52 | 17 | 0.26 | 1.03 |
| Col52 | 18 | 0.26 | 1.03 |
| Col52 | 19 | 0.26 | 1.03 |
| Col52 | 20 | 0.26 | 1.03 |
| Col52 | 21 | 0.26 | 1.03 |
| Col52 | 22 | 0.26 | 1.03 |
| Col52 | 23 | 0.26 | 1.03 |
| Col52 | 24 | 0.26 | 1.03 |
| Col52 | 25 | 0.26 | 1.03 |
| Col52 | 26 | 0.26 | 1.03 |
| Col52 | 27 | 0.26 | 1.03 |
| Col52 | 28 | -0.35 | 1.03 |

| | | | |
|--------|----|-------|------|
| Col152 | 29 | -0.35 | 1.03 |
| Col152 | 30 | 0.35 | 1.03 |
| Col152 | 31 | 0.35 | 1.03 |
| Col152 | 32 | 0.35 | 1.03 |
| Col152 | 33 | 0.35 | 1.03 |
| Col152 | 34 | 0.35 | 1.03 |
| Col152 | 35 | 0.35 | 1.03 |
| Col152 | 36 | 0.00 | 1.03 |
| Col152 | 37 | 0.00 | 1.03 |
| Col152 | 38 | 0.00 | 1.03 |
| Col152 | 39 | 0.00 | 1.03 |
| Col152 | 40 | 0.00 | 1.03 |
| Col152 | 41 | 0.00 | 1.03 |
| Col152 | 42 | 0.00 | 1.03 |
| Col152 | 43 | 0.00 | 1.03 |
| Col152 | 44 | 0.00 | 1.03 |
| Col152 | 45 | 0.00 | 1.03 |
| Col152 | 46 | 0.00 | 1.03 |
| Col152 | 47 | 0.16 | 1.03 |
| Col152 | 48 | 0.16 | 1.03 |
| Col153 | 1 | 0.00 | 1.04 |
| Col153 | 2 | 0.00 | 1.04 |
| Col153 | 3 | 0.00 | 1.04 |
| Col153 | 4 | 0.00 | 1.04 |
| Col153 | 5 | 0.00 | 1.04 |
| Col153 | 6 | 0.00 | 1.04 |
| Col153 | 7 | 0.00 | 1.04 |
| Col153 | 8 | -0.37 | 1.04 |
| Col153 | 9 | -0.37 | 1.04 |
| Col153 | 10 | 0.37 | 1.04 |
| Col153 | 11 | 0.37 | 1.04 |
| Col153 | 12 | 0.37 | 1.04 |
| Col153 | 13 | 0.37 | 1.04 |
| Col153 | 14 | 0.37 | 1.04 |
| Col153 | 15 | 0.37 | 1.04 |
| Col153 | 16 | 0.28 | 1.04 |
| Col153 | 17 | 0.28 | 1.04 |
| Col153 | 18 | 0.28 | 1.04 |
| Col153 | 19 | 0.28 | 1.04 |
| Col153 | 20 | 0.28 | 1.04 |
| Col153 | 21 | 0.28 | 1.04 |
| Col153 | 22 | 0.28 | 1.04 |
| Col153 | 23 | 0.28 | 1.04 |
| Col153 | 24 | 0.28 | 1.04 |
| Col153 | 25 | 0.28 | 1.04 |
| Col153 | 26 | 0.28 | 1.04 |
| Col153 | 27 | 0.28 | 1.04 |
| Col153 | 28 | -0.37 | 1.04 |
| Col153 | 29 | -0.37 | 1.04 |
| Col153 | 30 | 0.37 | 1.04 |
| Col153 | 31 | 0.37 | 1.04 |
| Col153 | 32 | 0.37 | 1.04 |
| Col153 | 33 | 0.37 | 1.04 |
| Col153 | 34 | 0.37 | 1.04 |
| Col153 | 35 | 0.37 | 1.04 |
| Col153 | 36 | 0.00 | 1.04 |
| Col153 | 37 | 0.00 | 1.04 |
| Col153 | 38 | 0.00 | 1.04 |
| Col153 | 39 | 0.00 | 1.04 |
| Col153 | 40 | 0.00 | 1.04 |
| Col153 | 41 | 0.00 | 1.04 |
| Col153 | 42 | 0.00 | 1.04 |
| Col153 | 43 | 0.00 | 1.04 |
| Col153 | 44 | 0.00 | 1.04 |
| Col153 | 45 | 0.00 | 1.04 |

| | | | |
|--------|----|-------|------|
| Col153 | 46 | 0.00 | 1.04 |
| Col153 | 47 | 0.17 | 1.04 |
| Col153 | 48 | 0.17 | 1.04 |
| Col154 | 1 | 0.00 | 1.06 |
| Col154 | 2 | 0.00 | 1.06 |
| Col154 | 3 | 0.00 | 1.06 |
| Col154 | 4 | 0.00 | 1.06 |
| Col154 | 5 | 0.00 | 1.06 |
| Col154 | 6 | 0.00 | 1.06 |
| Col154 | 7 | 0.00 | 1.06 |
| Col154 | 8 | -0.39 | 1.06 |
| Col154 | 9 | -0.39 | 1.06 |
| Col154 | 10 | 0.39 | 1.06 |
| Col154 | 11 | 0.39 | 1.06 |
| Col154 | 12 | 0.39 | 1.06 |
| Col154 | 13 | 0.39 | 1.06 |
| Col154 | 14 | 0.39 | 1.06 |
| Col154 | 15 | 0.39 | 1.06 |
| Col154 | 16 | 0.29 | 1.06 |
| Col154 | 17 | 0.29 | 1.06 |
| Col154 | 18 | 0.29 | 1.06 |
| Col154 | 19 | 0.29 | 1.06 |
| Col154 | 20 | 0.29 | 1.06 |
| Col154 | 21 | 0.29 | 1.06 |
| Col154 | 22 | 0.29 | 1.06 |
| Col154 | 23 | 0.29 | 1.06 |
| Col154 | 24 | 0.29 | 1.06 |
| Col154 | 25 | 0.29 | 1.06 |
| Col154 | 26 | 0.29 | 1.06 |
| Col154 | 27 | 0.29 | 1.06 |
| Col154 | 28 | -0.39 | 1.06 |
| Col154 | 29 | -0.39 | 1.06 |
| Col154 | 30 | 0.39 | 1.06 |
| Col154 | 31 | 0.39 | 1.06 |
| Col154 | 32 | 0.39 | 1.06 |
| Col154 | 33 | 0.39 | 1.06 |
| Col154 | 34 | 0.39 | 1.06 |
| Col154 | 35 | 0.39 | 1.06 |
| Col154 | 36 | 0.00 | 1.06 |
| Col154 | 37 | 0.00 | 1.06 |
| Col154 | 38 | 0.00 | 1.06 |
| Col154 | 39 | 0.00 | 1.06 |
| Col154 | 40 | 0.00 | 1.06 |
| Col154 | 41 | 0.00 | 1.06 |
| Col154 | 42 | 0.00 | 1.06 |
| Col154 | 43 | 0.00 | 1.06 |
| Col154 | 44 | 0.00 | 1.06 |
| Col154 | 45 | 0.00 | 1.06 |
| Col154 | 46 | 0.00 | 1.06 |
| Col154 | 47 | 0.17 | 1.06 |
| Col154 | 48 | 0.17 | 1.06 |
| Col155 | 1 | 0.00 | 1.07 |
| Col155 | 2 | 0.00 | 1.07 |
| Col155 | 3 | 0.00 | 1.07 |
| Col155 | 4 | 0.00 | 1.07 |
| Col155 | 5 | 0.00 | 1.07 |
| Col155 | 6 | 0.00 | 1.07 |
| Col155 | 7 | 0.00 | 1.07 |
| Col155 | 8 | -0.41 | 1.07 |
| Col155 | 9 | -0.41 | 1.07 |
| Col155 | 10 | 0.41 | 1.07 |
| Col155 | 11 | 0.41 | 1.07 |
| Col155 | 12 | 0.41 | 1.07 |
| Col155 | 13 | 0.41 | 1.07 |
| Col155 | 14 | 0.41 | 1.07 |

| | | | |
|--------|----|-------|------|
| Col155 | 15 | 0.41 | 1.07 |
| Col155 | 16 | 0.31 | 1.07 |
| Col155 | 17 | 0.31 | 1.07 |
| Col155 | 18 | 0.31 | 1.07 |
| Col155 | 19 | 0.31 | 1.07 |
| Col155 | 20 | 0.31 | 1.07 |
| Col155 | 21 | 0.31 | 1.07 |
| Col155 | 22 | 0.31 | 1.07 |
| Col155 | 23 | 0.31 | 1.07 |
| Col155 | 24 | 0.31 | 1.07 |
| Col155 | 25 | 0.31 | 1.07 |
| Col155 | 26 | 0.31 | 1.07 |
| Col155 | 27 | 0.31 | 1.07 |
| Col155 | 28 | -0.41 | 1.07 |
| Col155 | 29 | -0.41 | 1.07 |
| Col155 | 30 | 0.41 | 1.07 |
| Col155 | 31 | 0.41 | 1.07 |
| Col155 | 32 | 0.41 | 1.07 |
| Col155 | 33 | 0.41 | 1.07 |
| Col155 | 34 | 0.41 | 1.07 |
| Col155 | 35 | 0.41 | 1.07 |
| Col155 | 36 | 0.00 | 1.07 |
| Col155 | 37 | 0.00 | 1.07 |
| Col155 | 38 | 0.00 | 1.07 |
| Col155 | 39 | 0.00 | 1.07 |
| Col155 | 40 | 0.00 | 1.07 |
| Col155 | 41 | 0.00 | 1.07 |
| Col155 | 42 | 0.00 | 1.07 |
| Col155 | 43 | 0.00 | 1.07 |
| Col155 | 44 | 0.00 | 1.07 |
| Col155 | 45 | 0.00 | 1.07 |
| Col155 | 46 | 0.00 | 1.07 |
| Col155 | 47 | 0.18 | 1.07 |
| Col155 | 48 | 0.18 | 1.07 |
| Col156 | 1 | 0.00 | 1.09 |
| Col156 | 2 | 0.00 | 1.09 |
| Col156 | 3 | 0.00 | 1.09 |
| Col156 | 4 | 0.00 | 1.09 |
| Col156 | 5 | 0.00 | 1.09 |
| Col156 | 6 | 0.00 | 1.09 |
| Col156 | 7 | 0.00 | 1.09 |
| Col156 | 8 | -0.43 | 1.09 |
| Col156 | 9 | -0.43 | 1.09 |
| Col156 | 10 | 0.43 | 1.09 |
| Col156 | 11 | 0.43 | 1.09 |
| Col156 | 12 | 0.43 | 1.09 |
| Col156 | 13 | 0.43 | 1.09 |
| Col156 | 14 | 0.43 | 1.09 |
| Col156 | 15 | 0.43 | 1.09 |
| Col156 | 16 | 0.32 | 1.09 |
| Col156 | 17 | 0.32 | 1.09 |
| Col156 | 18 | 0.32 | 1.09 |
| Col156 | 19 | 0.32 | 1.09 |
| Col156 | 20 | 0.32 | 1.09 |
| Col156 | 21 | 0.32 | 1.09 |
| Col156 | 22 | 0.32 | 1.09 |
| Col156 | 23 | 0.32 | 1.09 |
| Col156 | 24 | 0.32 | 1.09 |
| Col156 | 25 | 0.32 | 1.09 |
| Col156 | 26 | 0.32 | 1.09 |
| Col156 | 27 | 0.32 | 1.09 |
| Col156 | 28 | -0.43 | 1.09 |
| Col156 | 29 | -0.43 | 1.09 |
| Col156 | 30 | 0.43 | 1.09 |
| Col156 | 31 | 0.43 | 1.09 |

| | | | |
|--------|----|-------|------|
| Col156 | 32 | 0.43 | 1.09 |
| Col156 | 33 | 0.43 | 1.09 |
| Col156 | 34 | 0.43 | 1.09 |
| Col156 | 35 | 0.43 | 1.09 |
| Col156 | 36 | 0.00 | 1.09 |
| Col156 | 37 | 0.00 | 1.09 |
| Col156 | 38 | 0.00 | 1.09 |
| Col156 | 39 | 0.00 | 1.09 |
| Col156 | 40 | 0.00 | 1.09 |
| Col156 | 41 | 0.00 | 1.09 |
| Col156 | 42 | 0.00 | 1.09 |
| Col156 | 43 | 0.00 | 1.09 |
| Col156 | 44 | 0.00 | 1.09 |
| Col156 | 45 | 0.00 | 1.09 |
| Col156 | 46 | 0.00 | 1.09 |
| Col156 | 47 | 0.19 | 1.09 |
| Col156 | 48 | 0.19 | 1.09 |
| Col157 | 1 | 0.00 | 1.10 |
| Col157 | 2 | 0.00 | 1.10 |
| Col157 | 3 | 0.00 | 1.10 |
| Col157 | 4 | 0.00 | 1.10 |
| Col157 | 5 | 0.00 | 1.10 |
| Col157 | 6 | 0.00 | 1.10 |
| Col157 | 7 | 0.00 | 1.10 |
| Col157 | 8 | -0.45 | 1.10 |
| Col157 | 9 | -0.45 | 1.10 |
| Col157 | 10 | 0.45 | 1.10 |
| Col157 | 11 | 0.45 | 1.10 |
| Col157 | 12 | 0.45 | 1.10 |
| Col157 | 13 | 0.45 | 1.10 |
| Col157 | 14 | 0.45 | 1.10 |
| Col157 | 15 | 0.45 | 1.10 |
| Col157 | 16 | 0.34 | 1.10 |
| Col157 | 17 | 0.34 | 1.10 |
| Col157 | 18 | 0.34 | 1.10 |
| Col157 | 19 | 0.34 | 1.10 |
| Col157 | 20 | 0.34 | 1.10 |
| Col157 | 21 | 0.34 | 1.10 |
| Col157 | 22 | 0.34 | 1.10 |
| Col157 | 23 | 0.34 | 1.10 |
| Col157 | 24 | 0.34 | 1.10 |
| Col157 | 25 | 0.34 | 1.10 |
| Col157 | 26 | 0.34 | 1.10 |
| Col157 | 27 | 0.34 | 1.10 |
| Col157 | 28 | -0.45 | 1.10 |
| Col157 | 29 | -0.45 | 1.10 |
| Col157 | 30 | 0.45 | 1.10 |
| Col157 | 31 | 0.45 | 1.10 |
| Col157 | 32 | 0.45 | 1.10 |
| Col157 | 33 | 0.45 | 1.10 |
| Col157 | 34 | 0.45 | 1.10 |
| Col157 | 35 | 0.45 | 1.10 |
| Col157 | 36 | 0.00 | 1.10 |
| Col157 | 37 | 0.00 | 1.10 |
| Col157 | 38 | 0.00 | 1.10 |
| Col157 | 39 | 0.00 | 1.10 |
| Col157 | 40 | 0.00 | 1.10 |
| Col157 | 41 | 0.00 | 1.10 |
| Col157 | 42 | 0.00 | 1.10 |
| Col157 | 43 | 0.00 | 1.10 |
| Col157 | 44 | 0.00 | 1.10 |
| Col157 | 45 | 0.00 | 1.10 |
| Col157 | 46 | 0.00 | 1.10 |
| Col157 | 47 | 0.20 | 1.10 |
| Col157 | 48 | 0.20 | 1.10 |

| | | | |
|-------|----|-------|------|
| Col58 | 1 | 0.00 | 1.11 |
| Col58 | 2 | 0.00 | 1.11 |
| Col58 | 3 | 0.00 | 1.11 |
| Col58 | 4 | 0.00 | 1.11 |
| Col58 | 5 | 0.00 | 1.11 |
| Col58 | 6 | 0.00 | 1.11 |
| Col58 | 7 | 0.00 | 1.11 |
| Col58 | 8 | -0.48 | 1.11 |
| Col58 | 9 | -0.48 | 1.11 |
| Col58 | 10 | 0.48 | 1.11 |
| Col58 | 11 | 0.48 | 1.11 |
| Col58 | 12 | 0.48 | 1.11 |
| Col58 | 13 | 0.48 | 1.11 |
| Col58 | 14 | 0.48 | 1.11 |
| Col58 | 15 | 0.48 | 1.11 |
| Col58 | 16 | 0.36 | 1.11 |
| Col58 | 17 | 0.36 | 1.11 |
| Col58 | 18 | 0.36 | 1.11 |
| Col58 | 19 | 0.36 | 1.11 |
| Col58 | 20 | 0.36 | 1.11 |
| Col58 | 21 | 0.36 | 1.11 |
| Col58 | 22 | 0.36 | 1.11 |
| Col58 | 23 | 0.36 | 1.11 |
| Col58 | 24 | 0.36 | 1.11 |
| Col58 | 25 | 0.36 | 1.11 |
| Col58 | 26 | 0.36 | 1.11 |
| Col58 | 27 | 0.36 | 1.11 |
| Col58 | 28 | -0.48 | 1.11 |
| Col58 | 29 | -0.48 | 1.11 |
| Col58 | 30 | 0.48 | 1.11 |
| Col58 | 31 | 0.48 | 1.11 |
| Col58 | 32 | 0.48 | 1.11 |
| Col58 | 33 | 0.48 | 1.11 |
| Col58 | 34 | 0.48 | 1.11 |
| Col58 | 35 | 0.48 | 1.11 |
| Col58 | 36 | 0.00 | 1.11 |
| Col58 | 37 | 0.00 | 1.11 |
| Col58 | 38 | 0.00 | 1.11 |
| Col58 | 39 | 0.00 | 1.11 |
| Col58 | 40 | 0.00 | 1.11 |
| Col58 | 41 | 0.00 | 1.11 |
| Col58 | 42 | 0.00 | 1.11 |
| Col58 | 43 | 0.00 | 1.11 |
| Col58 | 44 | 0.00 | 1.11 |
| Col58 | 45 | 0.00 | 1.11 |
| Col58 | 46 | 0.00 | 1.11 |
| Col58 | 47 | 0.21 | 1.11 |
| Col58 | 48 | 0.21 | 1.11 |

COLUMN KL/R RATIO, MOMENT REDUCTION:

| Id | Major (ft) | --Minor (ft)-- | | ----KL/R---- | | Available Reduction Factor | |
|--------|---------------|----------------|-------|--------------|-------|----------------------------------|------|
| | | Bend | Axial | Major | Minor | Out | In |
| Col150 | 15.0 | 0.1 | 0.1 | 78 | 2 | 0.00 | 0.00 |
| Col151 | 15.3 | 0.1 | 0.1 | 79 | 2 | 0.00 | 0.00 |
| Col152 | 15.5 | 0.1 | 0.1 | 80 | 2 | 0.00 | 0.00 |
| Col153 | 15.7 | 0.1 | 0.1 | 81 | 2 | 0.00 | 0.00 |
| Col154 | 15.9 | 0.1 | 0.1 | 82 | 2 | 0.00 | 0.00 |
| Col155 | 16.1 | 0.1 | 0.1 | 83 | 2 | 0.00 | 0.00 |
| Col156 | 16.3 | 0.1 | 0.1 | 85 | 2 | 0.00 | 0.00 |
| Col157 | 16.5 | 0.1 | 0.1 | 86 | 2 | 0.00 | 0.00 |
| Col158 | 16.7 | 0.1 | 0.1 | 87 | 2 | 0.00 | 0.00 |

PANEL DATA:

| Bay | Part | Type | Gage | Yield |
|-----|-------|------|-------|-------|
| 1 | PBR29 | PR | 29.00 | 60.0 |

MOMENTS & DEFLECTION:

| Span Id | Locate (ft) | | Load | -----Moment (ft-lb/ft)----- | | | | | | | | | |
|---------|-------------|-------|------|-----------------------------|-------|---------|-------|-------|-------|--------|--------------|-------|--|
| | Start | End | | Start | | Midspan | | End | | Max UC | Deflect (in) | | |
| | | | | Calc | Limit | Calc | Limit | Calc | Limit | | Calc | Limit | |
| 1 | 0.00 | 5.00 | WP | 0.0 | 107.0 | -11.7 | 70.2 | 15.8 | 107.0 | 0.17 | -0.04 | 1.00 | |
| | | | WS | 0.0 | 107.0 | 11.7 | 107.0 | -15.8 | 70.2 | 0.23 | 0.04 | 1.00 | |
| 2 | 5.00 | 10.00 | WP | 15.8 | 107.0 | -5.1 | 70.2 | 11.6 | 107.0 | 0.15 | -0.01 | 1.00 | |
| | | | WS | -15.8 | 70.2 | 5.1 | 107.0 | -11.6 | 70.2 | 0.23 | 0.01 | 1.00 | |
| 3 | 10.00 | 15.00 | WP | 11.6 | 107.0 | -6.6 | 70.2 | 12.7 | 107.0 | 0.12 | -0.02 | 1.00 | |
| | | | WS | -11.6 | 70.2 | 6.6 | 107.0 | -12.7 | 70.2 | 0.18 | 0.02 | 1.00 | |
| 4 | 15.00 | 20.00 | WP | 12.7 | 107.0 | -6.2 | 70.2 | 12.4 | 107.0 | 0.12 | -0.01 | 1.00 | |
| | | | WS | -12.7 | 70.2 | 6.2 | 107.0 | -12.4 | 70.2 | 0.18 | 0.01 | 1.00 | |
| 5 | 20.00 | 25.00 | WP | 12.4 | 107.0 | -6.3 | 70.2 | 12.5 | 107.0 | 0.12 | -0.01 | 1.00 | |
| | | | WS | -12.4 | 70.2 | 6.3 | 107.0 | -12.5 | 70.2 | 0.18 | 0.01 | 1.00 | |
| 6 | 25.00 | 30.00 | WP | 12.5 | 107.0 | -6.3 | 70.2 | 12.4 | 107.0 | 0.12 | -0.01 | 1.00 | |
| | | | WS | -12.5 | 70.2 | 6.3 | 107.0 | -12.4 | 70.2 | 0.18 | 0.01 | 1.00 | |
| 7 | 30.00 | 35.00 | WP | 12.4 | 107.0 | -6.2 | 70.2 | 12.7 | 107.0 | 0.12 | -0.01 | 1.00 | |
| | | | WS | -12.4 | 70.2 | 6.2 | 107.0 | -12.7 | 70.2 | 0.18 | 0.01 | 1.00 | |
| 8 | 35.00 | 40.00 | WP | 12.7 | 107.0 | -6.6 | 70.2 | 11.6 | 107.0 | 0.12 | -0.02 | 1.00 | |
| | | | WS | -12.7 | 70.2 | 6.6 | 107.0 | -11.6 | 70.2 | 0.18 | 0.02 | 1.00 | |
| 9 | 40.00 | 45.00 | WP | 11.6 | 107.0 | -5.1 | 70.2 | 15.8 | 107.0 | 0.15 | -0.01 | 1.00 | |
| | | | WS | -11.6 | 70.2 | 5.1 | 107.0 | -15.8 | 70.2 | 0.23 | 0.01 | 1.00 | |
| 10 | 45.00 | 50.00 | WP | 15.8 | 107.0 | -11.7 | 70.2 | 0.0 | 107.0 | 0.17 | -0.04 | 1.00 | |
| | | | WS | -15.8 | 70.2 | 11.7 | 107.0 | 0.0 | 107.0 | 0.23 | 0.04 | 1.00 | |

WP - Wind_Pressure
WS - Wind_Suction

WALL PANEL

Member
WRN(PWM-203): Moment > Limit