

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

REACTIONS & ANCHOR BOLTS  
FOR  
MEGA Storage

Lee's Summit  
520 NE TOWN CENTRE DRIVE  
LEE'S SUMMIT  
17



*Richard Joyce*

BUILDING LAYOUT

Width (ft) = 60.0  
Length (ft) = 56.0  
Eave Height (ft) = 15.9/ 15.9  
Roof Slope (rise/12) = 0.50/ 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) = 16.8  
Minimum Snow (psf) = 20.0  
Wind Speed (mph) = 110.0  
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

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Designer :  
Detailer : JB

8/26/22



0	0	16	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.45	0.0
0	0	17	1.00	1.00	0.75	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	18	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.45	0.0
0	0	19	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.45	0.0
0	0	20	1.00	1.00	0.00	0.75	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.45	0.0
0	0	21	1.00	1.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.45	0.0
0	0	22	1.00	1.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.45	0.0
0	0	23	1.00	1.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.45	0.00	0.0
0	0	24	1.00	1.00	0.00	0.75	0.75	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.45	0.0
0	0	25	1.00	1.00	0.00	0.75	0.75	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.45	0.0
0	0	26	1.00	1.00	0.00	0.75	0.75	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.45	0.0
0	0	27	1.00	1.00	0.00	0.75	0.75	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.45	0.00	0.0
0	0	28	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.60	0.00	0.0
0	0	29	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.60	0.00	0.0
0	0	30	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.60	0.0
0	0	31	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.60	0.00	0.0
0	0	32	0.60	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.0
0	0	33	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.60	0.0
0	0	34	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.60	0.0
0	0	35	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.60	0.0
0	0	36	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	0.7
0	0	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	-0.7
3	0	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	0.5
3	0	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	-0.5
3	0	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	0.5
3	0	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	-0.5
3	0	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	0.5
3	0	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	-0.5
0	0	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	0.7
0	0	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	-0.7
0	0	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	0.0
0	0	47	1.00	1.00	0.00	0.01	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.45	0.0

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																		
0	0	53	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	0.00	0.0
0	0	0.00																		
0	0	54	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	0.00	0.0
0	0	0.00																		
0	0	55	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	0.45	0.0
0	0	0.00																		
0	0	56	1.01	1.01	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	0.00	0.0
0	0	0.00																		

\*AUXILIARY LOADS:

*No.	Id	Name	No. Add	-Add_Load-	
				Id	Coef
2	1	MIN_SNOW	2	1	1.00
				2	1.00
	2	UNB_SL	4	3	1.00
				4	0.33
				5	1.00
				6	0.33

\*ADDITIONAL LOADS:

*No.	Id	Surf Id	Basic Load	Load Type	Load Orn	W1	W2	D1	D2	---Surface---	
										Start	End
6	1	2	U_SNOW	D	T	-20.00	-20.00	0.00	30.03	0.00	56.00
	2	3	U_SNOW	D	T	-20.00	-20.00	0.00	30.03	0.00	56.00
	3	2	U_SNOW	D	T	-16.80	-16.80	0.00	30.03	0.00	56.00
	4	2	U_SNOW	D	T	-16.80	-16.80	8.78	30.03	0.00	56.00
	5	3	U_SNOW	D	T	-16.80	-16.80	0.00	30.03	0.00	56.00
	6	3	U_SNOW	D	T	-16.80	-16.80	0.00	21.25	0.00	56.00

Frame Line	Column Line	-----Foundation_Loads(k)-----						Anchor_Bolt	
		Load	Horz	Vert	Load	Horz	Vert	No.	Dia
A	2	1	0.53	-0.05	2	-0.46	-0.40		
		3	0.00	0.83	4	-0.46	-0.42		
A	3	1	0.52	-0.05	2	-0.46	-0.40		
		5	0.00	0.86	4	-0.46	-0.42		
A	4	1	0.53	-0.05	2	-0.47	-0.40		
		5	0.00	0.92	6	0.53	-0.42		
A	5	1	0.53	-0.05	2	-0.47	-0.40		
		5	0.00	0.92	6	0.53	-0.42		
A	6	1	0.53	-0.05	2	-0.49	-0.40		
		5	0.00	0.92	6	0.53	-0.42		
A	7	5	0.00	0.90	4	0.00	-0.31		
		5	0.00	0.90	4	0.00	-0.31		
A	8	1	0.53	-0.26	2	-0.49	-0.18		
		5	0.00	0.92	7	0.53	-0.42		
A	9	1	0.53	-0.26	2	-0.47	-0.18		
		5	0.00	0.92	7	0.53	-0.42		
A	10	1	0.53	-0.26	2	-0.47	-0.18		
		5	0.00	0.92	7	0.53	-0.42		
A	11	1	0.52	-0.26	2	-0.46	-0.18		
		5	0.00	0.86	8	-0.46	-0.42		
A	12	1	0.53	-0.26	2	-0.46	-0.18		
		3	0.00	0.83	8	-0.46	-0.42		
M	12	1	0.53	-0.05	2	-0.46	-0.40		
		3	0.00	0.83	4	-0.46	-0.42		
M	11	1	0.52	-0.05	2	-0.46	-0.40		
		5	0.00	0.86	4	-0.46	-0.42		
M	10	1	0.53	-0.05	2	-0.47	-0.40		
		5	0.00	0.92	6	0.53	-0.42		
M	9	1	0.53	-0.05	2	-0.47	-0.40		
		5	0.00	0.92	6	0.53	-0.42		
M	8	1	0.53	-0.05	2	-0.49	-0.40		
		5	0.00	0.92	6	0.53	-0.42		
M	7	5	0.00	0.90	4	0.00	-0.31		
		5	0.00	0.90	4	0.00	-0.31		
M	6	1	0.53	-0.26	2	-0.49	-0.18		
		5	0.00	0.92	7	0.53	-0.42		
M	5	1	0.53	-0.26	2	-0.47	-0.18		
		5	0.00	0.92	7	0.53	-0.42		
M	4	1	0.53	-0.26	2	-0.47	-0.18		
		5	0.00	0.92	7	0.53	-0.42		
M	3	1	0.52	-0.26	2	-0.46	-0.18		
		5	0.00	0.86	8	-0.46	-0.42		
M	2	1	0.53	-0.26	2	-0.46	-0.18		
		3	0.00	0.83	8	-0.46	-0.42		
A	13	1	0.05	0.00	2	-0.05	-0.17		
		3	0.00	0.44	4	-0.05	-0.18		
D	13	3	0.00	0.86	4	0.00	-0.40		
		3	0.00	0.86	4	0.00	-0.40		
G	13	3	0.00	0.86	4	0.00	-0.40		
		3	0.00	0.86	4	0.00	-0.40		
J	13	3	0.00	0.86	4	0.00	-0.40		
		3	0.00	0.86	4	0.00	-0.40		
M	13	1	0.05	0.00	2	-0.05	-0.17		
		3	0.00	0.44	4	-0.05	-0.18		

M	1	1	0.05	0.00	2	-0.05	-0.17
		3	0.00	0.44	4	-0.05	-0.18
J	1	3	0.00	0.86	4	0.00	-0.40
		3	0.00	0.86	4	0.00	-0.40
G	1	3	0.00	0.86	4	0.00	-0.40
		3	0.00	0.86	4	0.00	-0.40
D	1	3	0.00	0.86	4	0.00	-0.40
		3	0.00	0.86	4	0.00	-0.40
A	1	1	0.05	0.00	2	-0.05	-0.17
		3	0.00	0.44	4	-0.05	-0.18
D *	2	1	0.24	-0.14	2	-0.24	-0.84
		3	0.00	1.62	4	-0.24	-0.89
D *	3	1	0.24	-0.14	2	-0.24	-0.84
		5	0.00	1.68	4	-0.24	-0.89
D *	4	1	0.24	-0.14	2	-0.24	-0.84
		5	0.00	1.79	4	-0.24	-0.89
D *	5	1	0.24	-0.14	2	-0.24	-0.84
		5	0.00	1.79	4	-0.24	-0.89
D *	6	1	0.25	-0.14	2	-0.25	-0.84
		5	0.00	1.79	4	-0.25	-0.89
D *	7	1	0.26	-0.34	2	-0.26	-0.61
		5	0.00	1.76	4	-0.26	-0.67
D *	8	1	0.25	-0.56	2	-0.25	-0.41
		5	0.00	1.79	8	-0.25	-0.89
D *	9	1	0.24	-0.56	2	-0.24	-0.41
		5	0.00	1.79	8	-0.24	-0.89
D *	10	1	0.24	-0.56	2	-0.24	-0.41
		5	0.00	1.79	8	-0.24	-0.89
D *	11	1	0.24	-0.56	2	-0.24	-0.41
		5	0.00	1.68	8	-0.24	-0.89
D *	12	1	0.24	-0.56	2	-0.24	-0.41
		3	0.00	1.62	8	-0.24	-0.89
@5	7	9	0.24	-0.14	2	-0.24	-0.25
		5	0.00	0.63	4	-0.24	-0.27
@9	7	9	0.24	-0.14	2	-0.24	-0.25
		5	0.00	0.63	4	-0.24	-0.27
@19	7	9	0.24	-0.14	2	-0.24	-0.25
		5	0.00	0.63	4	-0.24	-0.27
@23	7	9	0.24	-0.14	2	-0.24	-0.25
		5	0.00	0.63	4	-0.24	-0.27

D \* Frame Lines: D G J

Load Id	Load Combination
1	0.6Dead+0.6Wind Right2+0.6Wind Suction
2	Dead+0.6Wind_Pressure+0.6Wind_Long1
3	Dead+Collateral+MIN_SNOW
4	0.6Dead+0.6Wind_Pressure+0.6Wind_Long1
5	Dead+Collateral+UNB_SL
6	0.6Dead+0.6Wind_Suction+0.6Wind_Long1
7	0.6Dead+0.6Wind_Suction+0.6Wind_Long2
8	0.6Dead+0.6Wind_Pressure+0.6Wind_Long2
9	Dead+0.6Wind_Left2+0.6Wind_Suction

BRACING/PANEL SHEAR REACTIONS:

---Wall---	Column_Line	-----Bracing(k)-----	----Wind----	--Seismic---	Panel_Shear(lb/ft)
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Loc	Line	Start	End	Horz	Vert	Horz	Vert	Wind	Seis
Long								149.01	12.27
L_EW								16.99	1.70
Tran								33.97	2.60
Tran								33.97	2.60
Tran								33.97	2.60
R_EW								16.99	1.70

## Building Data

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-----
Code           =IBC  18
Length        = 56.00
Width         = 60.00
Left Eave Height = 15.88
Right Eave Height = 15.88

```

## Seismic Formula

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-----
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)   = 0.160
Shear Force, E    = Omega*Rho*V

T(Braced_Frame)   = 0.102
Fa*Ss             = 0.160
Zone/Design Category= B
Ie                = 1.200
S1                = 0.068
Sd1               = 0.107
Sds               = 0.105

```

## Seismic Dead Load

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-----
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

```

@ 30.0      W = 16.09 (k )
            Force, V = 0.69 (k )
            Force, E = 2.06 (k )

```

## Transverse Panel

R = 3.00, Omega= 3.00

```

L_EW      W = 2.38 (k )
            Force, V = 0.10 (k )
            Force, E = 0.31 (k )

```

```

@ 14.0      W = 3.66 (k )
            Force, V = 0.16 (k )
            Force, E = 0.47 (k )

```

```

@ 28.0      W = 3.66 (k )
            Force, V = 0.16 (k )
            Force, E = 0.47 (k )

```



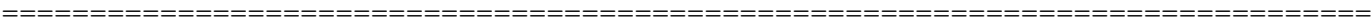
@ 42.0            W = 3.66 (k )  
                  Force, V = 0.16 (k )  
                  Force, E = 0.47 (k )

R\_EW             W = 2.38 (k )  
                  Force, V = 0.10 (k )  
                  Force, E = 0.31 (k )

Total Base Shear

  Longitudinal  
    Force, V = 0.69 (k )

  Transverse  
    Force, V = 0.67 (k )



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

\*( 2)JOB IDENTIFICATION:
   
\* Job Id
   
'17'

\*( 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
   
60.0000 56.0000 15.8750 15.8750 30.0000 0.500 8

\*( 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 11.250 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'
   
7 'NYYY' 'YYYY' 0.000 0.000 '-' '-' 'N' 'N'
   
8 'NYYY' 'YYYY' 0.000 0.000 '-' '-' 'N' 'N'

\*(10)STEP ELEVATION:
   
\*No. Base Eave Step -Slope\_Offset-
   
\*Step Start End Elev Height Type Start End
   
1 0.0000 56.0000 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	
3	6	'T'	0.0000	60.0000	3	14.0000	'L'	
						28.0000	'L'	
						42.0000	'L'	
	7	'L'	30.0000	14.0000	1	0.0000	'F'	
	8	'L'	30.0000	14.0000	3	14.0000	'F'	
						28.0000	'F'	
						42.0000	'F'	

\*(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	12
2	1	14.0000	4
3	1	5.0000	12
4	1	14.0000	4
5	1	28.0000	2
6	1	5.0000	12
7	1	4.6667	3
8	1	4.6667	3

\*(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
8	2	1	1.0000	2	30.0000	12.0000	14.0000	0.0000	'-'	'DOOR62	'C'	'C'	'C'	6
.000														
	2	2	1.0000	2	30.0000	12.0000	14.0000	0.0000	'-'	'DOOR62	'C'	'C'	'C'	6
.000														
	2	3	1.0000	2	30.0000	12.0000	14.0000	0.0000	'-'	'DOOR62	'C'	'C'	'C'	6
.000														
	2	4	1.0000	2	30.0000	12.0000	14.0000	0.0000	'-'	'DOOR62	'C'	'C'	'C'	6
.000														
	4	1	1.0000	2	30.0000	12.0000	14.0000	0.0000	'-'	'DOOR62	'C'	'C'	'C'	6
.000														
	4	2	1.0000	2	30.0000	12.0000	14.0000	0.0000	'-'	'DOOR62	'C'	'C'	'C'	6
.000														
	4	3	1.0000	2	30.0000	12.0000	14.0000	0.0000	'-'	'DOOR62	'C'	'C'	'C'	6
.000														
	4	4	1.0000	2	30.0000	12.0000	14.0000	0.0000	'-'	'DOOR62	'C'	'C'	'C'	6
.000														

\*(17) OPEN WALLS:

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

\*(18) ADDITIONAL RAFTERS:

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

## \*(19) ROOF PURLINS:

*Purlin	Flg_Strap		Set	Purlin	Max_Unbr		
* Type	Opt	OS	IS	Offset	Depth	Lap	Length
'ZB'	'-'	'C'	'N'	0.000	6.000	1.0000	0.0000

## \*(20) PURLIN SPACING:

* Peak	No	---Purlin---	
* Space	Purlins	Location	Rot
0.0000	11	5.0000	'N'
		10.0000	'N'
		15.0000	'N'
		20.0000	'N'
		25.0000	'N'
		30.0000	'N'
		35.0000	'Y'
		40.0000	'Y'
		45.0000	'Y'
		50.0000	'Y'
		55.0000	'Y'

## \*(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'
7	'PBR29'	'R'	'--'	'S--'	'GL'
8	'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'	'S'	'-'	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	16.8	0.0	21.9	1.00	0.48	1.00

\*(29) WIND PRESSURE/SUCTION:

Wind	Wind		
Press	Suct		
16.0	-20.3	.. Purlins	
16.0	-23.6	.. Panels	

\*(30) ROOF EDGE & CORNER ZONES:

*Surf		No	Zone	---Purlin---		---Panel----			
Id	Zone	Id	Width	Length	Press	Suct	Press	Suct	
2	7	1	0.00	0.00	1.00	1.00	1.00	1.00	.. Interior
		2	9.52	9.52	1.00	1.45	1.00	1.74	.. Middle
		7	3.18	9.52	1.00	2.15	1.00	3.13	.. Corner top-left
		8	3.18	9.52	1.00	2.15	1.00	3.13	.. Corner top-right
		11	6.35	3.18	1.00	2.15	1.00	3.13	.. Corner Gable top-left
		12	6.35	3.18	1.00	2.15	1.00	3.13	.. Corner Gable top-right
		15	9.52	9.52	1.00	1.93	1.00	2.30	.. Exterior
		3	7	1	0.00	0.00	1.00	1.00	1.00
3	7	2	9.52	9.52	1.00	1.45	1.00	1.74	.. Middle
		9	3.18	9.52	1.00	2.15	1.00	3.13	.. Corner bot-right
		10	3.18	9.52	1.00	2.15	1.00	3.13	.. Corner bot-left
		13	6.35	3.18	1.00	2.15	1.00	3.13	.. Corner Gable bot-right
		14	6.35	3.18	1.00	2.15	1.00	3.13	.. Corner Gable bot-left
		15	9.52	9.52	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
17	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	2	1.00
	14	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	3	1.00
	15	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	2	-1.00
	16	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	3	-1.00
	17	1.00	1.00	0.00	0.01	0.00	0.00	0.00	0.00	7	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
17	18	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	19	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0	0.00
	20	1.00	1.00	0.00	1.00	1.00	0.00	0.00	0.00	0	0.00
	21	1.00	1.00	0.75	0.00	0.00	0.00	0.75	0.00	0	0.00
	22	1.00	1.00	0.00	0.75	0.00	0.00	0.75	0.00	0	0.00
	23	1.00	1.00	0.00	0.75	0.75	0.00	0.75	0.00	0	0.00
	24	0.60	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	0.00
	25	1.00	1.00	0.00	0.01	0.00	0.00	0.00	0.00	1	1.00
	26	1.00	1.00	0.00	0.01	0.00	0.00	0.75	0.00	1	0.75

27	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	4	1.00
28	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	5	1.00
29	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	6	1.00
30	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	2	1.00
31	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	3	1.00
32	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	2	-1.00
33	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	3	-1.00
34	1.00	1.00	0.00	0.01	0.00	0.00	0.00	0.00	7	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	
9	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	
	9	1.00	1.00	0.00	0.01	0.00	0.00	0.00	0.00	7	1.00	

\*(34) PANEL DESIGN LOADS: Deflection

* No_Des	Load								Wind	Wind	Aux_Load	
* Loads	Id	Dead	Collat	Live	Snow	Drift	Rain	Press	Suct	Id	Coef	
7	10	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0	0.00	
	11	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0	0.00	
	12	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0	0.00	
	13	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0	0.00	
	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	0.00	
	15	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	1	1.00	
	16	1.00	1.00	0.00	0.01	0.00	0.00	0.00	0.00	7	1.00	

\*(35) AUXILIARY LOADS:

* No.	Aux	Aux	No._Add	Add_Load		
* Aux	Id	Name	Combs	Id	Coef	
7	1	'MIN_SNOW	' 2	1	1.00	
				2	1.00	
	2	'PAT_SL_1	' 1	3	0.50	
	3	'PAT_SL_2	' 1	6	0.50	
	4	'PAT_SL_3	' 2	3	0.50	
				4	0.50	
	5	'PAT_SL_4	' 2	4	0.50	
				5	0.50	
	6	'PAT_SL_5	' 2	5	0.50	
				6	0.50	
	7	'UNB_SL	' 4	7	1.00	
				8	0.33	
				9	1.00	
				10	0.33	

\*(36) ADDITIONAL LOADS:

*No.	Add	Surf	Basic	Load	Load	F	D		---Surface---		
*Add	Id	Id	Load	Type	Orn	W1	W2	D1	D2	Start	End
10	1	2	'U_SNOW'	'D'	'T'	-20.00	-20.00	0.0000	30.0260	0.000	56.000
	2	3	'U_SNOW'	'D'	'T'	-20.00	-20.00	0.0000	30.0260	0.000	56.000
	3	0	'U_SNOW'	'D'	'L'	-16.80	-16.80	0.0000	14.0000	0.000	0.000

4	0	'U_SNOW'	'D'	'L'	-16.80	-16.80	14.0000	28.0000	0.000	0.000
5	0	'U_SNOW'	'D'	'L'	-16.80	-16.80	28.0000	42.0000	0.000	0.000
6	0	'U_SNOW'	'D'	'L'	-16.80	-16.80	42.0000	56.0000	0.000	0.000
7	2	'U_SNOW'	'D'	'T'	-16.80	-16.80	0.0000	30.0260	0.000	56.000
8	2	'U_SNOW'	'D'	'T'	-16.80	-16.80	8.7761	30.0260	0.000	56.000
9	3	'U_SNOW'	'D'	'T'	-16.80	-16.80	0.0000	30.0260	0.000	56.000
10	3	'U_SNOW'	'D'	'T'	-16.80	-16.80	0.0000	21.2499	0.000	56.000

\* (37) PURLIN BREAK:

\*Opt No. Location  
'-' 0

\* (38) PANEL SCREWS:

* No.	Zone	Locate	Id	Zone	Part	Dia	Limit	Washer 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					Start	End				

\* (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	Unbalanced snow load

\* ADDITIONAL LOAD DESCRIPTIONS:

* Add	Id	Description
*	1	Minimum snow load surface 2
*	2	Minimum snow load surface 3
*	3	Pattern snow load bay 1
*	4	Pattern snow load bay 2
*	5	Pattern snow load bay 3
*	6	Pattern snow load bay 4
*	7	Unbalanced snow load surface 2
*	8	Unbalanced snow load surface 2
*	9	Unbalanced snow load surface 3
*	10	Unbalanced snow load surface 3

\* 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	30.026	5

PURLIN LOCATION:

Purlin Id	Surf Offset	Space	Load Width	Dead Load	Show Report	-----Max_Load----- Id UC Report
1	5.004	5.004	5.004	0.58		9 0.93 Moment
2	10.009	5.004	5.004	0.58		9 0.93 Moment
3	15.013	5.004	5.004	0.58	Y	17 0.93 Moment
4	20.017	5.004	5.004	0.58		17 0.93 Moment
5	25.022	5.004	5.004	0.58		17 0.93 Moment
	30.026	5.004				

-----  
Average= 0.58

LAYOUT:

Bay Id	Part	Bay Width	---Lap(ft)-- Left Right		No. Brace	Unit Weight	Total Weight
1	6X25Z14	28.00		1.00	0	81.2	406.0
2	6X25Z14	28.00	1.00		0	81.2	406.0
Total (lb)=						162.4	812.0

LOAD COMBINATIONS:

- 9 - Dead+Collateral+0.45Wind\_Pressure+0.75MIN\_SNOW
- 17 - Dead+Collateral+UNB\_SL

```

-----
ROOF PURLIN
Surface Id   = 2
Purlin Id    = 3
Offset       = 15.01
-----
    
```

PURLIN LAYOUT:

Bay Id	Part	Design Length (ft)	---Lap(ft)---		Load Width	No. Brace	Unit Weight	Available Reduction	
			Left	Right				Out	In
1	6X25Z14	14.00			5.00	0	39.2	0.00	0.70
1	6X25Z14	14.00		1.00	5.00	0	42.0	0.00	0.70
2	6X25Z14	14.00	1.00		5.00	0	42.0	0.00	0.70
2	6X25Z14	14.00			5.00	0	39.2	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	Loc	Right Lap	Right Sup	
1	0.62			-0.95	0.00		-1.71	5.52			2.34
1	0.83		-0.63	-0.74	2.34		-0.76	7.42	0.99		1.68
2	0.74	0.63		-0.83	1.68	0.99	-0.76	6.58			2.34
2	0.95			-0.62	2.34		-1.71	8.48			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	RSup	-0.95	6.04	0.16	RSup	2.34	2.79	0.84	RSup	0.72	-0.36	
1	LSup	0.83	6.04	0.14	LSup	2.34	2.77	0.84	LSup	0.72	-0.09	
2	RSup	-0.83	6.04	0.14	RSup	2.34	2.77	0.84	RSup	0.72	-0.09	
2	LSup	0.95	6.04	0.16	LSup	2.34	2.79	0.84	LSup	0.72	-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	14.0	11.0	1.0	1.0	1.0	3.0	1.00	1.00	1.00	1.00	0.00	1.14	1.00	1.00	1.00	1.77
2	14.0	3.7	3.7	1.0	1.9	1.0	0.00	0.00	1.00	0.00	0.59	1.84	1.84	1.00	1.77	1.20
3	14.0	1.0	1.9	1.0	3.7	3.7	0.59	0.00	1.00	0.00	0.00	1.20	1.77	1.00	1.84	1.84
4	14.0	3.0	1.0	1.0	1.0	11.0	0.00	1.00	1.00	1.00	1.00	1.77	1.00	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	Loc	Right Lap	Right Sup	
1	0.53			-0.82	0.00		-1.47	5.52			2.00
1	0.72		-0.54	-0.63	2.00		-0.65	7.42	0.85		1.44
2	0.63	0.54		-0.72	1.44	0.85	-0.65	6.58			2.00
2	0.82			-0.53	2.00		-1.47	8.48			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	RSup	-0.82	6.04	0.14	RSup	2.00	2.79	0.72	RSup	0.62	-0.30	
1	LSup	0.72	6.04	0.12	LSup	2.00	2.77	0.72	LSup	0.61	-0.08	
2	RSup	-0.72	6.04	0.12	RSup	2.00	2.77	0.72	RSup	0.61	-0.08	
2	LSup	0.82	6.04	0.14	LSup	2.00	2.79	0.72	LSup	0.62	-0.30	

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	14.0	11.0	1.0	1.0	1.0	3.0	1.00	1.00	1.00	1.00	0.00	1.14	1.00	1.00	1.00	1.77
2	14.0	3.7	3.7	1.0	1.9	1.0	0.00	0.00	1.00	0.00	0.59	1.84	1.84	1.00	1.77	1.20
3	14.0	1.0	1.9	1.0	3.7	3.7	0.59	0.00	1.00	0.00	0.00	1.20	1.77	1.00	1.84	1.84
4	14.0	3.0	1.0	1.0	1.0	11.0	0.00	1.00	1.00	1.00	1.00	1.77	1.00	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	Right Lap	Right Sup	
1	0.53			-0.82	0.00		-1.47	5.52	2.00	
1	0.72		-0.54	-0.63	2.00		-0.65	7.42	0.85	
2	0.63	0.54		-0.72	1.44	0.85	-0.65	6.58	2.00	
2	0.82			-0.53	2.00		-1.47	8.48	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	RSup	-0.82	6.04	0.14	RSup	2.00	2.79	0.72	RSup	0.62	-0.30	
1	LSup	0.72	6.04	0.12	LSup	2.00	2.77	0.72	LSup	0.61	-0.08	
2	RSup	-0.72	6.04	0.12	RSup	2.00	2.77	0.72	RSup	0.61	-0.08	
2	LSup	0.82	6.04	0.14	LSup	2.00	2.79	0.72	LSup	0.62	-0.30	

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	14.0	11.0	1.0	1.0	1.0	3.0	1.00	1.00	1.00	1.00	0.00	1.14	1.00	1.00	1.00	1.77
2	14.0	3.7	3.7	1.0	1.9	1.0	0.00	0.00	1.00	0.00	0.59	1.84	1.84	1.00	1.77	1.20
3	14.0	1.0	1.9	1.0	3.7	3.7	0.59	0.00	1.00	0.00	0.00	1.20	1.77	1.00	1.84	1.84
4	14.0	3.0	1.0	1.0	1.0	11.0	0.00	1.00	1.00	1.00	1.00	1.77	1.00	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	Right Lap	Right Sup	
1	0.68			-1.05	0.00		-1.88	5.52	2.57	
1	0.92		-0.69	-0.81	2.57		-0.83	7.42	1.09	
2	0.81	0.69		-0.92	1.84	1.09	-0.83	6.58	2.57	
2	1.05			-0.68	2.57		-1.88	8.48	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

Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
1	RSup	-1.05	6.04	0.17	RSup	2.57	2.79	0.92	RSup	0.79	-0.39	
1	LSup	0.92	6.04	0.15	LSup	2.57	2.77	0.93	LSup	0.79	-0.10	
2	RSup	-0.92	6.04	0.15	RSup	2.57	2.77	0.93	RSup	0.79	-0.10	
2	LSup	1.05	6.04	0.17	LSup	2.57	2.79	0.92	LSup	0.79	-0.39	

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	14.0	11.0	1.0	1.0	1.0	3.0	1.00	1.00	1.00	1.00	0.00	1.14	1.00	1.00	1.00	1.77
2	14.0	3.7	3.7	1.0	1.9	1.0	0.00	0.00	1.00	0.00	0.59	1.84	1.84	1.00	1.77	1.20
3	14.0	1.0	1.9	1.0	3.7	3.7	0.59	0.00	1.00	0.00	0.00	1.20	1.77	1.00	1.84	1.84
4	14.0	3.0	1.0	1.0	1.0	11.0	0.00	1.00	1.00	1.00	1.00	1.77	1.00	1.00	1.00	1.14

LOAD ID 5 : Dead+Collateral+0.75Snow+0.45Wind\_Pressure

REACTIONS:

Bay	-----Shear (k )-----					-----Moment (f-k )-----					
Id	Left Sup	Left Lap	Right Lap	Right Sup		Left Sup	Left Lap	Mid-Span Mom	Loc	Right Lap	Right Sup
1	0.61			-0.95		0.00		-1.70	5.52		2.32
1	0.83		-0.62	-0.73		2.32		-0.75	7.42	0.99	1.66
2	0.73	0.62		-0.83		1.66	0.99	-0.75	6.58		2.32
2	0.95			-0.61		2.32		-1.70	8.48		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	RSup	-0.95	6.04	0.16	RSup	2.32	2.79	0.83	RSup	0.71	-0.35	
1	LSup	0.83	6.04	0.14	LSup	2.32	2.77	0.84	LSup	0.71	-0.09	
2	RSup	-0.83	6.04	0.14	RSup	2.32	2.77	0.84	RSup	0.71	-0.09	
2	LSup	0.95	6.04	0.16	LSup	2.32	2.79	0.83	LSup	0.71	-0.35	

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	14.0	11.0	1.0	1.0	1.0	3.0	1.00	1.00	1.00	1.00	0.00	1.14	1.00	1.00	1.00	1.77
2	14.0	3.7	3.7	1.0	1.9	1.0	0.00	0.00	1.00	0.00	0.59	1.84	1.84	1.00	1.77	1.20
3	14.0	1.0	1.9	1.0	3.7	3.7	0.59	0.00	1.00	0.00	0.00	1.20	1.77	1.00	1.84	1.84
4	14.0	3.0	1.0	1.0	1.0	11.0	0.00	1.00	1.00	1.00	1.00	1.77	1.00	1.00	1.00	1.14

LOAD ID 6 : Dead+Collateral+0.75Snow+0.45Wind\_Pressure+0.75Snow\_Drift

REACTIONS:

Bay	-----Shear (k )-----					-----Moment (f-k )-----					
Id	Left Sup	Left Lap	Right Lap	Right Sup		Left Sup	Left Lap	Mid-Span Mom	Loc	Right Lap	Right Sup
1	0.61			-0.95		0.00		-1.70	5.52		2.32
1	0.83		-0.62	-0.73		2.32		-0.75	7.42	0.99	1.66
2	0.73	0.62		-0.83		1.66	0.99	-0.75	6.58		2.32
2	0.95			-0.61		2.32		-1.70	8.48		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	RSup	-0.95	6.04	0.16	RSup	2.32	2.79	0.83	RSup	0.71	-0.35	

1	LSup	0.83	6.04	0.14	LSup	2.32	2.77	0.84	LSup	0.71	-0.09
2	RSup	-0.83	6.04	0.14	RSup	2.32	2.77	0.84	RSup	0.71	-0.09
2	LSup	0.95	6.04	0.16	LSup	2.32	2.79	0.83	LSup	0.71	-0.35

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	14.0	11.0	1.0	1.0	1.0	3.0	1.00	1.00	1.00	1.00	0.00	1.14	1.00	1.00	1.00	1.77
2	14.0	3.7	3.7	1.0	1.9	1.0	0.00	0.00	1.00	0.00	0.59	1.84	1.84	1.00	1.77	1.20
3	14.0	1.0	1.9	1.0	3.7	3.7	0.59	0.00	1.00	0.00	0.00	1.20	1.77	1.00	1.84	1.84
4	14.0	3.0	1.0	1.0	1.0	11.0	0.00	1.00	1.00	1.00	1.00	1.77	1.00	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	Right Lap	Right Sup	
1	-0.62			0.81	0.00		1.69	6.03		-2.01
1	-0.64		0.43	0.51	-2.01		0.51	7.81	-0.60	-1.07
2	-0.51	-0.43		0.64	-1.07	-0.60	0.51	6.19		-2.01
2	-0.81			0.62	-2.01		1.69	7.97		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	RSup	0.81	6.04 0.13	RSup	-2.01	2.63 0.76	RSup	0.62	0.36		
1	LSup	-0.64	6.04 0.11	LSup	-2.01	2.63 0.76	LSup	0.61	0.05		
2	RSup	0.64	6.04 0.11	RSup	-2.01	2.63 0.76	RSup	0.61	0.05		
2	LSup	-0.81	6.04 0.13	LSup	-2.01	2.63 0.76	LSup	0.62	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	14.0	11.0	11.0	11.0	11.0	1.0	1.00	1.00	1.00	1.00	1.00	1.13	1.13	1.13	1.13	1.00
2	14.0	1.0	1.0	6.6	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	14.0	1.0	1.0	6.6	1.0	1.0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.12	1.00	1.00
4	14.0	1.0	11.0	11.0	11.0	11.0	1.00	1.00	1.00	1.00	1.00	1.00	1.13	1.13	1.13	1.13

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	Right Lap	Right Sup	
1	0.62			-0.95	0.00		-1.71	5.52		2.34
1	0.83		-0.63	-0.74	2.34		-0.76	7.42	0.99	1.68
2	0.74	0.63		-0.83	1.68	0.99	-0.76	6.58		2.34
2	0.95			-0.62	2.34		-1.71	8.48		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	RSup	-0.95	6.04 0.16	RSup	2.34	2.79 0.84	RSup	0.72	-0.36		
1	LSup	0.83	6.04 0.14	LSup	2.34	2.76 0.85	LSup	0.72	-0.09		
2	RSup	-0.83	6.04 0.14	RSup	2.34	2.76 0.85	RSup	0.72	-0.09		
2	LSup	0.95	6.04 0.16	LSup	2.34	2.79 0.84	LSup	0.72	-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	14.0	10.9	1.0	1.0	1.0	3.1	1.00	1.00	1.00	1.00	-0.03	1.13	1.00	1.00	1.00	1.82
2	14.0	4.0	4.0	1.0	2.0	1.0	-0.04	-0.04	1.00	-0.04	0.59	1.93	1.93	1.00	1.83	1.20
3	14.0	1.0	2.0	1.0	4.0	4.0	0.59	-0.04	1.00	-0.04	-0.04	1.20	1.83	1.00	1.93	1.93
4	14.0	3.1	1.0	1.0	1.0	10.9	-0.03	1.00	1.00	1.00	1.00	1.82	1.00	1.00	1.00	1.13

LOAD ID 9 : Dead+Collateral+0.45Wind\_Pressure+0.75MIN\_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	0.68			-1.05	0.00		-1.88	5.52		2.57
1	0.92		-0.69	-0.81	2.57		-0.83	7.42	1.09	1.84
2	0.81	0.69		-0.92	1.84	1.09	-0.83	6.58		2.57
2	1.05			-0.68	2.57		-1.88	8.48		0.00

STRENGTH/DEFLECTION:

Bay Id	Loc	-----Shear (k )-----			-----Moment (f-k )-----				Mom+Shear Loc	Deflect (in) Calc	Limit
		Calc	Limit	UC	Loc	Calc	Limit	UC			
1	RSup	-1.05	6.04	0.17	RSup	2.57	2.79	0.92	RSup	0.79	-0.39
1	LSup	0.92	6.04	0.15	LSup	2.57	2.77	0.93	LSup	0.79	-0.10
2	RSup	-0.92	6.04	0.15	RSup	2.57	2.77	0.93	RSup	0.79	-0.10
2	LSup	1.05	6.04	0.17	LSup	2.57	2.79	0.92	LSup	0.79	-0.39

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	14.0	10.9	1.0	1.0	1.0	3.1	1.00	1.00	1.00	1.00	-0.03	1.13	1.00	1.00	1.00	1.82
2	14.0	3.8	3.8	1.0	2.0	1.0	0.00	0.00	1.00	-0.04	0.59	1.85	1.85	1.00	1.83	1.20
3	14.0	1.0	2.0	1.0	3.8	3.8	0.59	-0.04	1.00	0.00	0.00	1.20	1.83	1.00	1.85	1.85
4	14.0	3.1	1.0	1.0	1.0	10.9	-0.03	1.00	1.00	1.00	1.00	1.82	1.00	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	Mid-Span Loc	Right Lap	Right Sup
1	0.53			-0.82	0.00		-1.44	5.46		2.08
1	0.74		-0.51	-0.61	2.08		-0.78	7.71	0.57	1.13
2	0.39	0.33		-0.38	1.13	0.77	-0.24	7.09		1.05
2	0.46			-0.31	1.05		-0.86	8.38		0.00

STRENGTH/DEFLECTION:

Bay Id	Loc	-----Shear (k )-----			-----Moment (f-k )-----				Mom+Shear Loc	Deflect (in) Calc	Limit
		Calc	Limit	UC	Loc	Calc	Limit	UC			
1	RSup	-0.82	6.04	0.14	RSup	2.08	2.78	0.75	RSup	0.64	-0.29
1	LSup	0.74	6.04	0.12	LSup	2.08	2.77	0.75	LSup	0.64	-0.12
2	RSup	-0.38	6.04	0.06	RSup	1.05	2.76	0.38	RSup	0.32	-0.01
2	LSup	0.46	6.04	0.08	LSup	1.05	2.80	0.38	LSup	0.33	-0.18

UNBRACED LENGTH:

Bay	Major	-----Minor (ft)-----					-----Mom1/Mom2-----					-----Cb-----				
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Id	(ft)	LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup
1	14.0	10.8	1.0	1.0	1.0	3.2	1.00	1.00	1.00	1.00	-0.02	1.13	1.00	1.00	1.00	1.82
2	14.0	3.9	3.9	1.0	1.5	1.0	-0.03	-0.03	1.00	-0.13	0.50	1.89	1.89	1.00	1.94	1.26
3	14.0	1.0	3.1	1.0	3.9	3.9	0.68	0.00	1.00	0.00	0.00	1.15	1.84	1.00	1.88	1.88
4	14.0	2.8	1.0	1.0	1.0	11.2	0.00	1.00	1.00	1.00	1.00	1.77	1.00	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	0.28			-0.48	0.00		-0.72	5.15		1.41
1	0.65		-0.60	-0.70	1.41		-0.78	6.75	1.10	1.75
2	0.70	0.60		-0.65	1.75	1.10	-0.78	7.25		1.41
2	0.48			-0.28	1.41		-0.72	8.85		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	RSup	-0.48	6.04	0.08	RSup	1.41	2.77	0.51	RSup	0.43	-0.13	
1	LSup	0.65	6.04	0.11	LSup	1.41	2.80	0.50	LSup	0.44	-0.12	
2	RSup	-0.65	6.04	0.11	RSup	1.41	2.80	0.50	RSup	0.44	-0.12	
2	LSup	0.48	6.04	0.08	LSup	1.41	2.77	0.51	LSup	0.43	-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	14.0	10.3	1.0	1.0	3.7	3.7	1.00	1.00	1.00	0.00	0.00	1.14	1.00	1.00	1.80	1.80
2	14.0	2.9	1.0	1.0	2.3	1.0	-0.06	1.00	1.00	-0.04	0.63	1.90	1.00	1.00	1.83	1.18
3	14.0	1.0	2.3	1.0	1.0	2.9	0.63	-0.04	1.00	1.00	-0.06	1.18	1.83	1.00	1.00	1.90
4	14.0	3.7	3.7	1.0	1.0	10.3	0.00	0.00	1.00	1.00	1.00	1.80	1.80	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	0.31			-0.46	0.00		-0.86	5.62		1.05
1	0.38		-0.33	-0.39	1.05		-0.24	6.91	0.77	1.13
2	0.61	0.51		-0.74	1.13	0.57	-0.78	6.29		2.08
2	0.82			-0.53	2.08		-1.44	8.54		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	RSup	-0.46	6.04	0.08	RSup	1.05	2.80	0.38	RSup	0.33	-0.18	
1	LSup	0.38	6.04	0.06	LSup	1.05	2.76	0.38	LSup	0.32	-0.01	
2	RSup	-0.74	6.04	0.12	RSup	2.08	2.77	0.75	RSup	0.64	-0.12	
2	LSup	0.82	6.04	0.14	LSup	2.08	2.78	0.75	LSup	0.64	-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	14.0	11.2	1.0	1.0	1.0	2.8	1.00	1.00	1.00	1.00	0.00	1.14	1.00	1.00	1.00	1.77

2	14.0	3.9	3.9	1.0	3.1	1.0	0.00	0.00	1.00	0.00	0.68	1.88	1.88	1.00	1.84	1.15
3	14.0	1.0	1.5	1.0	3.9	3.9	0.50	-0.13	1.00	-0.03	-0.03	1.26	1.94	1.00	1.89	1.89
4	14.0	3.2	1.0	1.0	1.0	10.8	-0.02	1.00	1.00	1.00	1.00	1.82	1.00	1.00	1.00	1.13

LOAD ID 13 : 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	0.55			-0.80	0.00		-1.59	5.75		1.69
1	0.45		-0.25	-0.31	1.69		-0.21	8.35	0.37	0.65
2	0.34	0.29		-0.42	0.65	0.34	-0.43	6.32		1.17
2	0.46			-0.30	1.17		-0.81	8.54		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	RSup	-0.80	6.04	0.13	MidS	-1.59	2.63	0.61	RSup	0.52	-0.35	
1	LSup	0.45	6.04	0.08	LSup	1.69	2.74	0.62	LSup	0.51	0.02	
2	RSup	-0.42	6.04	0.07	RSup	1.17	2.77	0.42	RSup	0.36	-0.06	
2	LSup	0.46	6.04	0.08	LSup	1.17	2.79	0.42	LSup	0.36	-0.17	

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	14.0	11.5	1.0	1.0	1.0	2.5	1.00	1.00	1.00	1.00	-0.01	1.14	1.00	1.00	1.00	1.77
2	14.0	5.5	5.5	1.0	1.8	1.0	0.00	0.00	1.00	0.00	0.57	1.94	1.94	1.00	1.79	1.22
3	14.0	1.0	1.3	1.0	3.7	3.7	0.52	0.00	1.00	0.00	0.00	1.25	1.74	1.00	1.83	1.83
4	14.0	3.1	1.0	1.0	1.0	10.9	0.00	1.00	1.00	1.00	1.00	1.78	1.00	1.00	1.00	1.14

LOAD ID 14 : Dead+Collateral+Snow/2+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	0.30			-0.46	0.00		-0.81	5.46		1.17
1	0.42		-0.29	-0.34	1.17		-0.43	7.68	0.34	0.65
2	0.31	0.25		-0.45	0.65	0.37	-0.21	5.65		1.69
2	0.80			-0.55	1.69		-1.59	8.25		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	RSup	-0.46	6.04	0.08	RSup	1.17	2.79	0.42	RSup	0.36	-0.17	
1	LSup	0.42	6.04	0.07	LSup	1.17	2.77	0.42	LSup	0.36	-0.06	
2	RSup	-0.45	6.04	0.08	RSup	1.69	2.74	0.62	RSup	0.51	0.02	
2	LSup	0.80	6.04	0.13	MidS	-1.59	2.63	0.61	LSup	0.52	-0.35	

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	14.0	10.9	1.0	1.0	1.0	3.1	1.00	1.00	1.00	1.00	0.00	1.14	1.00	1.00	1.00	1.78
2	14.0	3.7	3.7	1.0	1.3	1.0	0.00	0.00	1.00	0.00	0.52	1.83	1.83	1.00	1.74	1.25
3	14.0	1.0	1.8	1.0	5.5	5.5	0.57	0.00	1.00	0.00	0.00	1.22	1.79	1.00	1.94	1.94
4	14.0	2.5	1.0	1.0	1.0	11.5	-0.01	1.00	1.00	1.00	1.00	1.77	1.00	1.00	1.00	1.14



LOAD ID 15 : Dead+Collateral+Snow-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	0.28			-0.48	0.00		-0.71	5.10		1.45
1	0.66		-0.59	-0.69	1.45		-0.84	6.89	0.96	1.60
2	0.65	0.55		-0.70	1.60	1.00	-0.59	6.73		1.96
2	0.82			-0.53	1.96		-1.48	8.46		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	RSup	-0.48	6.04	0.08	RSup	1.45	2.76	0.52	RSup	0.44	-0.12	
1	LSup	0.66	6.04	0.11	LSup	1.45	2.80	0.52	LSup	0.45	-0.14	
2	RSup	-0.70	6.04	0.12	RSup	1.96	2.77	0.71	RSup	0.60	-0.06	
2	LSup	0.82	6.04	0.13	LSup	1.96	2.79	0.70	LSup	0.61	-0.31	

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	14.0	9.9	1.0	1.0	4.1	4.1	1.00	1.00	1.00	-0.05	-0.05	1.13	1.00	1.00	1.90	1.90
2	14.0	2.7	1.0	1.0	1.9	1.0	0.00	1.00	1.00	0.00	0.60	1.79	1.00	1.00	1.76	1.20
3	14.0	1.0	2.2	1.0	3.8	3.8	0.62	0.00	1.00	0.00	0.00	1.18	1.79	1.00	1.85	1.85
4	14.0	2.9	1.0	1.0	1.0	11.1	0.00	1.00	1.00	1.00	1.00	1.77	1.00	1.00	1.00	1.14

LOAD ID 16 : 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	0.53			-0.82	0.00		-1.48	5.54		1.96
1	0.70		-0.55	-0.65	1.96		-0.59	7.27	1.00	1.60
2	0.69	0.59		-0.66	1.60	0.96	-0.84	7.11		1.45
2	0.48			-0.28	1.45		-0.71	8.90		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	RSup	-0.82	6.04	0.13	RSup	1.96	2.79	0.70	RSup	0.61	-0.31	
1	LSup	0.70	6.04	0.12	LSup	1.96	2.77	0.71	LSup	0.60	-0.06	
2	RSup	-0.66	6.04	0.11	RSup	1.45	2.80	0.52	RSup	0.45	-0.14	
2	LSup	0.48	6.04	0.08	LSup	1.45	2.76	0.52	LSup	0.44	-0.12	

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	14.0	11.1	1.0	1.0	1.0	2.9	1.00	1.00	1.00	1.00	0.00	1.14	1.00	1.00	1.00	1.77
2	14.0	3.8	3.8	1.0	2.2	1.0	0.00	0.00	1.00	0.00	0.62	1.85	1.85	1.00	1.79	1.18
3	14.0	1.0	1.9	1.0	1.0	2.7	0.60	0.00	1.00	1.00	0.00	1.20	1.76	1.00	1.00	1.79
4	14.0	4.1	4.1	1.0	1.0	9.9	-0.05	-0.05	1.00	1.00	1.00	1.90	1.90	1.00	1.00	1.13

LOAD ID 17 : Dead+Collateral+UNB\_SL

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	0.68			-1.05	0.00		-1.89	5.52		2.58
1	0.92		-0.69	-0.82	2.58		-0.84	7.42	1.10	1.85
2	0.82	0.69		-0.92	1.85	1.10	-0.84	6.58		2.58
2	1.05			-0.68	2.58		-1.89	8.48		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	RSup	-1.05	6.04	0.17	RSup	2.58	2.79	0.93	RSup	0.79	-0.39	
1	LSup	0.92	6.04	0.15	LSup	2.58	2.77	0.93	LSup	0.79	-0.10	
2	RSup	-0.92	6.04	0.15	RSup	2.58	2.77	0.93	RSup	0.79	-0.10	
2	LSup	1.05	6.04	0.17	LSup	2.58	2.79	0.93	LSup	0.79	-0.39	

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	14.0	10.9	1.0	1.0	1.0	3.1	1.00	1.00	1.00	1.00	-0.03	1.13	1.00	1.00	1.00	1.82
2	14.0	3.8	3.8	1.0	2.0	1.0	0.00	0.00	1.00	-0.04	0.59	1.85	1.85	1.00	1.83	1.20
3	14.0	1.0	2.0	1.0	3.8	3.8	0.59	-0.04	1.00	0.00	0.00	1.20	1.83	1.00	1.85	1.85
4	14.0	3.1	1.0	1.0	1.0	10.9	-0.03	1.00	1.00	1.00	1.00	1.82	1.00	1.00	1.00	1.13

DEFLECTION:

LOAD ID 18 : Dead+Collateral+Live

Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.36	1.87	0.19
1	-0.09	1.87	0.05
2	-0.09	1.87	0.05
2	-0.36	1.87	0.19

LOAD ID 19 : Dead+Collateral+Snow

Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.30	1.87	0.16
1	-0.08	1.87	0.04
2	-0.08	1.87	0.04
2	-0.30	1.87	0.16

LOAD ID 20 : Dead+Collateral+Snow+Snow\_Drift

Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.30	1.87	0.16
1	-0.08	1.87	0.04
2	-0.08	1.87	0.04
2	-0.30	1.87	0.16

LOAD ID 21 : Dead+Collateral+0.75Live+0.36Wind\_Pressure

Bay Id	DEFLECTION(in)
--------	----------------

Id	Calc	Limit	Ratio
1	-0.37	2.24	0.16
1	-0.10	2.24	0.04
2	-0.10	2.24	0.04
2	-0.37	2.24	0.16

LOAD ID 22 : Dead+Collateral+0.75Snow+0.36Wind\_Pressure

Bay Id	DEFLECTION(in)		Ratio
	Calc	Limit	
1	-0.33	2.24	0.15
1	-0.09	2.24	0.04
2	-0.09	2.24	0.04
2	-0.33	2.24	0.15

LOAD ID 23 : Dead+Collateral+0.75Snow+0.36Wind\_Pressure+0.75Snow\_Drift

Bay Id	DEFLECTION(in)		Ratio
	Calc	Limit	
1	-0.33	2.24	0.15
1	-0.09	2.24	0.04
2	-0.09	2.24	0.04
2	-0.33	2.24	0.15

LOAD ID 24 : 0.6Dead+0.48Wind\_Suction

Bay Id	DEFLECTION(in)		Ratio
	Calc	Limit	
1	0.28	2.24	0.13
1	0.04	2.24	0.02
2	0.04	2.24	0.02
2	0.28	2.24	0.13

LOAD ID 25 : Dead+Collateral+MIN\_SNOW

Bay Id	DEFLECTION(in)		Ratio
	Calc	Limit	
1	-0.36	1.87	0.19
1	-0.09	1.87	0.05
2	-0.09	1.87	0.05
2	-0.36	1.87	0.19

LOAD ID 26 : Dead+Collateral+0.36Wind\_Pressure+0.75MIN\_SNOW

Bay Id	DEFLECTION(in)		Ratio
	Calc	Limit	
1	-0.37	2.24	0.16
1	-0.10	2.24	0.04
2	-0.10	2.24	0.04
2	-0.37	2.24	0.16

LOAD ID 27 : Dead+Collateral+Snow/2+PAT\_SL\_3

Bay Id	DEFLECTION(in)		Ratio
	Calc	Limit	
1	-0.29	1.87	0.16
1	-0.12	1.87	0.06
2	-0.01	1.87	0.00

2 -0.18 1.87 0.10

LOAD ID 28 : Dead+Collateral+Snow/2+PAT\_SL\_4

-----  
Bay DEFLECTION(in)  
Id Calc Limit Ratio  
-----  
1 -0.13 1.87 0.07  
1 -0.12 1.87 0.07  
2 -0.12 1.87 0.07  
2 -0.13 1.87 0.07

LOAD ID 29 : Dead+Collateral+Snow/2+PAT\_SL\_5

-----  
Bay DEFLECTION(in)  
Id Calc Limit Ratio  
-----  
1 -0.18 1.87 0.10  
1 -0.01 1.87 0.00  
2 -0.12 1.87 0.06  
2 -0.29 1.87 0.16

LOAD ID 30 : Dead+Collateral+Snow/2+PAT\_SL\_1

-----  
Bay DEFLECTION(in)  
Id Calc Limit Ratio  
-----  
1 -0.35 1.87 0.19  
1 0.02 1.87 0.01  
2 -0.06 1.87 0.03  
2 -0.17 1.87 0.09

LOAD ID 31 : Dead+Collateral+Snow/2+PAT\_SL\_2

-----  
Bay DEFLECTION(in)  
Id Calc Limit Ratio  
-----  
1 -0.17 1.87 0.09  
1 -0.06 1.87 0.03  
2 0.02 1.87 0.01  
2 -0.35 1.87 0.19

LOAD ID 32 : Dead+Collateral+Snow-PAT\_SL\_1

-----  
Bay DEFLECTION(in)  
Id Calc Limit Ratio  
-----  
1 -0.12 1.87 0.07  
1 -0.14 1.87 0.08  
2 -0.06 1.87 0.03  
2 -0.31 1.87 0.17

LOAD ID 33 : Dead+Collateral+Snow-PAT\_SL\_2

-----  
Bay DEFLECTION(in)  
Id Calc Limit Ratio  
-----  
1 -0.31 1.87 0.17  
1 -0.06 1.87 0.03  
2 -0.14 1.87 0.08  
2 -0.12 1.87 0.07

LOAD ID 34 : Dead+Collateral+UNB\_SL

-----  
Bay DEFLECTION(in)

Id	Calc	Limit	Ratio
1	-0.39	1.87	0.21
1	-0.10	1.87	0.05
2	-0.10	1.87	0.05
2	-0.39	1.87	0.21

=====  
17 Purlin Layout (Surface= 3) 8/26/22 9:49am  
=====

SURFACE LAYOUT:

Surface Id	Length	No. Row
3	30.026	6

PURLIN LOCATION:

Purlin Id	Surf Offset	Space	Load Width	Dead Load	Show Report	Max Load Id	UC	Report
2	5.004	5.004	5.004	0.58		17	0.93	Moment
3	10.009	5.004	5.004	0.58		17	0.93	Moment
4	15.013	5.004	5.004	0.58	Y	17	0.93	Moment
5	20.017	5.004	5.004	0.58		9	0.93	Moment
6	25.022	5.004	5.004	0.58		9	0.93	Moment
	30.026	5.004						

-----  
Average= 0.70

LAYOUT:

Bay Id	Part	Bay Width	Lap (ft)		No. Brace	Unit Weight	Total Weight
			Left	Right			
1	6X25Z14	28.00		1.00	0	81.2	487.2
2	6X25Z14	28.00	1.00		0	81.2	487.2
Total (lb)=						162.4	974.4

LOAD COMBINATIONS:  
9 - Dead+Collateral+0.45Wind\_Pressure+0.75MIN\_SNOW  
17 - Dead+Collateral+UNB\_SL

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-----
ROOF PURLIN
Surface Id   = 3
Purlin Id   = 4
Offset      = 15.01
-----
    
```

PURLIN LAYOUT:

Bay Id	Part	Design Length (ft)	---Lap(ft)--		Load Width	No. Brace	Unit Weight	Available Reduction	
			Left	Right				Out	In
1	6X25Z14	14.00			5.00	0	39.2	0.00	0.70
1	6X25Z14	14.00		1.00	5.00	0	42.0	0.00	0.70
2	6X25Z14	14.00	1.00		5.00	0	42.0	0.00	0.70
2	6X25Z14	14.00			5.00	0	39.2	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	Loc	Right Lap	Right Sup
1	0.62			-0.95	0.00		-1.71	5.52		2.34
1	0.83		-0.63	-0.74	2.34		-0.76	7.42	0.99	1.68
2	0.74	0.63		-0.83	1.68	0.99	-0.76	6.58		2.34
2	0.95			-0.62	2.34		-1.71	8.48		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	RSup	-0.95	6.04	0.16	RSup	2.34	2.79	0.84	RSup	0.72	-0.36	
1	LSup	0.83	6.04	0.14	LSup	2.34	2.77	0.84	LSup	0.72	-0.09	
2	RSup	-0.83	6.04	0.14	RSup	2.34	2.77	0.84	RSup	0.72	-0.09	
2	LSup	0.95	6.04	0.16	LSup	2.34	2.79	0.84	LSup	0.72	-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	14.0	11.0	1.0	1.0	1.0	3.0	1.00	1.00	1.00	1.00	0.00	1.14	1.00	1.00	1.00	1.77
2	14.0	3.7	3.7	1.0	1.9	1.0	0.00	0.00	1.00	0.00	0.59	1.84	1.84	1.00	1.77	1.20
3	14.0	1.0	1.9	1.0	3.7	3.7	0.59	0.00	1.00	0.00	0.00	1.20	1.77	1.00	1.84	1.84
4	14.0	3.0	1.0	1.0	1.0	11.0	0.00	1.00	1.00	1.00	1.00	1.77	1.00	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	Loc	Right Lap	Right Sup
1	0.53			-0.82	0.00		-1.47	5.52		2.00
1	0.72		-0.54	-0.63	2.00		-0.65	7.42	0.85	1.44
2	0.63	0.54		-0.72	1.44	0.85	-0.65	6.58		2.00
2	0.82			-0.53	2.00		-1.47	8.48		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	RSup	-0.82	6.04	0.14	RSup	2.00	2.79	0.72	RSup	0.62	-0.30	
1	LSup	0.72	6.04	0.12	LSup	2.00	2.77	0.72	LSup	0.61	-0.08	
2	RSup	-0.72	6.04	0.12	RSup	2.00	2.77	0.72	RSup	0.61	-0.08	
2	LSup	0.82	6.04	0.14	LSup	2.00	2.79	0.72	LSup	0.62	-0.30	

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	14.0	11.0	1.0	1.0	1.0	3.0	1.00	1.00	1.00	1.00	0.00	1.14	1.00	1.00	1.00	1.77
2	14.0	3.7	3.7	1.0	1.9	1.0	0.00	0.00	1.00	0.00	0.59	1.84	1.84	1.00	1.77	1.20
3	14.0	1.0	1.9	1.0	3.7	3.7	0.59	0.00	1.00	0.00	0.00	1.20	1.77	1.00	1.84	1.84
4	14.0	3.0	1.0	1.0	1.0	11.0	0.00	1.00	1.00	1.00	1.00	1.77	1.00	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	Right Lap	Right Sup	
1	0.53			-0.82	0.00		-1.47	5.52	2.00	
1	0.72		-0.54	-0.63	2.00		-0.65	7.42	0.85	
2	0.63	0.54		-0.72	1.44	0.85	-0.65	6.58	2.00	
2	0.82			-0.53	2.00		-1.47	8.48	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	RSup	-0.82	6.04	0.14	RSup	2.00	2.79	0.72	RSup	0.62	-0.30	
1	LSup	0.72	6.04	0.12	LSup	2.00	2.77	0.72	LSup	0.61	-0.08	
2	RSup	-0.72	6.04	0.12	RSup	2.00	2.77	0.72	RSup	0.61	-0.08	
2	LSup	0.82	6.04	0.14	LSup	2.00	2.79	0.72	LSup	0.62	-0.30	

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	14.0	11.0	1.0	1.0	1.0	3.0	1.00	1.00	1.00	1.00	0.00	1.14	1.00	1.00	1.00	1.77
2	14.0	3.7	3.7	1.0	1.9	1.0	0.00	0.00	1.00	0.00	0.59	1.84	1.84	1.00	1.77	1.20
3	14.0	1.0	1.9	1.0	3.7	3.7	0.59	0.00	1.00	0.00	0.00	1.20	1.77	1.00	1.84	1.84
4	14.0	3.0	1.0	1.0	1.0	11.0	0.00	1.00	1.00	1.00	1.00	1.77	1.00	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	Right Lap	Right Sup	
1	0.68			-1.05	0.00		-1.88	5.52	2.57	
1	0.92		-0.69	-0.81	2.57		-0.83	7.42	1.09	
2	0.81	0.69		-0.92	1.84	1.09	-0.83	6.58	2.57	
2	1.05			-0.68	2.57		-1.88	8.48	0.00	

STRENGTH/DEFLECTION:

Bay Id	Loc	Shear(k )			Moment(f-k )				Mom+Shear		Deflect(in)	
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Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
1	RSup	-1.05	6.04	0.17	RSup	2.57	2.79	0.92	RSup	0.79	-0.39	
1	LSup	0.92	6.04	0.15	LSup	2.57	2.77	0.93	LSup	0.79	-0.10	
2	RSup	-0.92	6.04	0.15	RSup	2.57	2.77	0.93	RSup	0.79	-0.10	
2	LSup	1.05	6.04	0.17	LSup	2.57	2.79	0.92	LSup	0.79	-0.39	

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	14.0	11.0	1.0	1.0	1.0	3.0	1.00	1.00	1.00	1.00	0.00	1.14	1.00	1.00	1.00	1.77
2	14.0	3.7	3.7	1.0	1.9	1.0	0.00	0.00	1.00	0.00	0.59	1.84	1.84	1.00	1.77	1.20
3	14.0	1.0	1.9	1.0	3.7	3.7	0.59	0.00	1.00	0.00	0.00	1.20	1.77	1.00	1.84	1.84
4	14.0	3.0	1.0	1.0	1.0	11.0	0.00	1.00	1.00	1.00	1.00	1.77	1.00	1.00	1.00	1.14

LOAD ID 5 : Dead+Collateral+0.75Snow+0.45Wind\_Pressure

REACTIONS:

Bay	-----Shear (k )-----					-----Moment (f-k )-----					
Id	Left Sup	Left Lap	Right Lap	Right Sup		Left Sup	Left Lap	Mid-Span Mom	Loc	Right Lap	Right Sup
1	0.61			-0.95		0.00		-1.70	5.52		2.32
1	0.83		-0.62	-0.73		2.32		-0.75	7.42	0.99	1.66
2	0.73	0.62		-0.83		1.66	0.99	-0.75	6.58		2.32
2	0.95			-0.61		2.32		-1.70	8.48		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	RSup	-0.95	6.04	0.16	RSup	2.32	2.79	0.83	RSup	0.71	-0.35	
1	LSup	0.83	6.04	0.14	LSup	2.32	2.77	0.84	LSup	0.71	-0.09	
2	RSup	-0.83	6.04	0.14	RSup	2.32	2.77	0.84	RSup	0.71	-0.09	
2	LSup	0.95	6.04	0.16	LSup	2.32	2.79	0.83	LSup	0.71	-0.35	

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	14.0	11.0	1.0	1.0	1.0	3.0	1.00	1.00	1.00	1.00	0.00	1.14	1.00	1.00	1.00	1.77
2	14.0	3.7	3.7	1.0	1.9	1.0	0.00	0.00	1.00	0.00	0.59	1.84	1.84	1.00	1.77	1.20
3	14.0	1.0	1.9	1.0	3.7	3.7	0.59	0.00	1.00	0.00	0.00	1.20	1.77	1.00	1.84	1.84
4	14.0	3.0	1.0	1.0	1.0	11.0	0.00	1.00	1.00	1.00	1.00	1.77	1.00	1.00	1.00	1.14

LOAD ID 6 : Dead+Collateral+0.75Snow+0.45Wind\_Pressure+0.75Snow\_Drift

REACTIONS:

Bay	-----Shear (k )-----					-----Moment (f-k )-----					
Id	Left Sup	Left Lap	Right Lap	Right Sup		Left Sup	Left Lap	Mid-Span Mom	Loc	Right Lap	Right Sup
1	0.61			-0.95		0.00		-1.70	5.52		2.32
1	0.83		-0.62	-0.73		2.32		-0.75	7.42	0.99	1.66
2	0.73	0.62		-0.83		1.66	0.99	-0.75	6.58		2.32
2	0.95			-0.61		2.32		-1.70	8.48		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	RSup	-0.95	6.04	0.16	RSup	2.32	2.79	0.83	RSup	0.71	-0.35	



1	LSup	0.83	6.04	0.14	LSup	2.32	2.77	0.84	LSup	0.71	-0.09
2	RSup	-0.83	6.04	0.14	RSup	2.32	2.77	0.84	RSup	0.71	-0.09
2	LSup	0.95	6.04	0.16	LSup	2.32	2.79	0.83	LSup	0.71	-0.35

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	14.0	11.0	1.0	1.0	1.0	3.0	1.00	1.00	1.00	1.00	0.00	1.14	1.00	1.00	1.00	1.77
2	14.0	3.7	3.7	1.0	1.9	1.0	0.00	0.00	1.00	0.00	0.59	1.84	1.84	1.00	1.77	1.20
3	14.0	1.0	1.9	1.0	3.7	3.7	0.59	0.00	1.00	0.00	0.00	1.20	1.77	1.00	1.84	1.84
4	14.0	3.0	1.0	1.0	1.0	11.0	0.00	1.00	1.00	1.00	1.00	1.77	1.00	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	Right Lap	Right Sup	
1	-0.62			0.81	0.00		1.69	6.03		-2.01
1	-0.64		0.43	0.51	-2.01		0.51	7.81	-0.60	-1.07
2	-0.51	-0.43		0.64	-1.07	-0.60	0.51	6.19		-2.01
2	-0.81			0.62	-2.01		1.69	7.97		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	RSup	0.81	6.04	0.13	RSup	-2.01	2.63	0.76	RSup	0.62	0.36	
1	LSup	-0.64	6.04	0.11	LSup	-2.01	2.63	0.76	LSup	0.61	0.05	
2	RSup	0.64	6.04	0.11	RSup	-2.01	2.63	0.76	RSup	0.61	0.05	
2	LSup	-0.81	6.04	0.13	LSup	-2.01	2.63	0.76	LSup	0.62	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	14.0	11.0	11.0	11.0	11.0	1.0	1.00	1.00	1.00	1.00	1.00	1.13	1.13	1.13	1.13	1.00
2	14.0	1.0	1.0	6.6	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	14.0	1.0	1.0	6.6	1.0	1.0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.12	1.00	1.00
4	14.0	1.0	11.0	11.0	11.0	11.0	1.00	1.00	1.00	1.00	1.00	1.00	1.13	1.13	1.13	1.13

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	Right Lap	Right Sup	
1	0.62			-0.95	0.00		-1.71	5.52		2.34
1	0.83		-0.63	-0.74	2.34		-0.76	7.42	0.99	1.68
2	0.74	0.63		-0.83	1.68	0.99	-0.76	6.58		2.34
2	0.95			-0.62	2.34		-1.71	8.48		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	RSup	-0.95	6.04	0.16	RSup	2.34	2.79	0.84	RSup	0.72	-0.36	
1	LSup	0.83	6.04	0.14	LSup	2.34	2.76	0.85	LSup	0.72	-0.09	
2	RSup	-0.83	6.04	0.14	RSup	2.34	2.76	0.85	RSup	0.72	-0.09	
2	LSup	0.95	6.04	0.16	LSup	2.34	2.79	0.84	LSup	0.72	-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	14.0	10.9	1.0	1.0	1.0	3.1	1.00	1.00	1.00	1.00	-0.03	1.13	1.00	1.00	1.00	1.82
2	14.0	4.0	4.0	1.0	2.0	1.0	-0.04	-0.04	1.00	-0.04	0.59	1.93	1.93	1.00	1.83	1.20
3	14.0	1.0	2.0	1.0	4.0	4.0	0.59	-0.04	1.00	-0.04	-0.04	1.20	1.83	1.00	1.93	1.93
4	14.0	3.1	1.0	1.0	1.0	10.9	-0.03	1.00	1.00	1.00	1.00	1.82	1.00	1.00	1.00	1.13

LOAD ID 9 : Dead+Collateral+0.45Wind\_Pressure+0.75MIN\_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	0.68			-1.05	0.00		-1.88	5.52		2.57
1	0.92		-0.69	-0.81	2.57		-0.83	7.42	1.09	1.84
2	0.81	0.69		-0.92	1.84	1.09	-0.83	6.58		2.57
2	1.05			-0.68	2.57		-1.88	8.48		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
1	RSup	-1.05	6.04	0.17	RSup	2.57	2.79	0.92	RSup	0.79	-0.39	
1	LSup	0.92	6.04	0.15	LSup	2.57	2.77	0.93	LSup	0.79	-0.10	
2	RSup	-0.92	6.04	0.15	RSup	2.57	2.77	0.93	RSup	0.79	-0.10	
2	LSup	1.05	6.04	0.17	LSup	2.57	2.79	0.92	LSup	0.79	-0.39	

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	14.0	10.9	1.0	1.0	1.0	3.1	1.00	1.00	1.00	1.00	-0.03	1.13	1.00	1.00	1.00	1.82
2	14.0	3.8	3.8	1.0	2.0	1.0	0.00	0.00	1.00	-0.04	0.59	1.85	1.85	1.00	1.83	1.20
3	14.0	1.0	2.0	1.0	3.8	3.8	0.59	-0.04	1.00	0.00	0.00	1.20	1.83	1.00	1.85	1.85
4	14.0	3.1	1.0	1.0	1.0	10.9	-0.03	1.00	1.00	1.00	1.00	1.82	1.00	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	Mid-Span Loc	Right Lap	Right Sup
1	0.53			-0.82	0.00		-1.44	5.46		2.08
1	0.74		-0.51	-0.61	2.08		-0.78	7.71	0.57	1.13
2	0.39	0.33		-0.38	1.13	0.77	-0.24	7.09		1.05
2	0.46			-0.31	1.05		-0.86	8.38		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
1	RSup	-0.82	6.04	0.14	RSup	2.08	2.78	0.75	RSup	0.64	-0.29	
1	LSup	0.74	6.04	0.12	LSup	2.08	2.77	0.75	LSup	0.64	-0.12	
2	RSup	-0.38	6.04	0.06	RSup	1.05	2.76	0.38	RSup	0.32	-0.01	
2	LSup	0.46	6.04	0.08	LSup	1.05	2.80	0.38	LSup	0.33	-0.18	

UNBRACED LENGTH:

Bay	Major	-----Minor (ft)-----					-----Mom1/Mom2-----					-----Cb-----				
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Id	(ft)	LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup
1	14.0	10.8	1.0	1.0	1.0	3.2	1.00	1.00	1.00	1.00	-0.02	1.13	1.00	1.00	1.00	1.82
2	14.0	3.9	3.9	1.0	1.5	1.0	-0.03	-0.03	1.00	-0.13	0.50	1.89	1.89	1.00	1.94	1.26
3	14.0	1.0	3.1	1.0	3.9	3.9	0.68	0.00	1.00	0.00	0.00	1.15	1.84	1.00	1.88	1.88
4	14.0	2.8	1.0	1.0	1.0	11.2	0.00	1.00	1.00	1.00	1.00	1.77	1.00	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	0.28			-0.48	0.00		-0.72	5.15		1.41
1	0.65		-0.60	-0.70	1.41		-0.78	6.75	1.10	1.75
2	0.70	0.60		-0.65	1.75	1.10	-0.78	7.25		1.41
2	0.48			-0.28	1.41		-0.72	8.85		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	RSup	-0.48	6.04	0.08	RSup	1.41	2.77	0.51	RSup	0.43	-0.13	
1	LSup	0.65	6.04	0.11	LSup	1.41	2.80	0.50	LSup	0.44	-0.12	
2	RSup	-0.65	6.04	0.11	RSup	1.41	2.80	0.50	RSup	0.44	-0.12	
2	LSup	0.48	6.04	0.08	LSup	1.41	2.77	0.51	LSup	0.43	-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	14.0	10.3	1.0	1.0	3.7	3.7	1.00	1.00	1.00	0.00	0.00	1.14	1.00	1.00	1.80	1.80
2	14.0	2.9	1.0	1.0	2.3	1.0	-0.06	1.00	1.00	-0.04	0.63	1.90	1.00	1.00	1.83	1.18
3	14.0	1.0	2.3	1.0	1.0	2.9	0.63	-0.04	1.00	1.00	-0.06	1.18	1.83	1.00	1.00	1.90
4	14.0	3.7	3.7	1.0	1.0	10.3	0.00	0.00	1.00	1.00	1.00	1.80	1.80	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	0.31			-0.46	0.00		-0.86	5.62		1.05
1	0.38		-0.33	-0.39	1.05		-0.24	6.91	0.77	1.13
2	0.61	0.51		-0.74	1.13	0.57	-0.78	6.29		2.08
2	0.82			-0.53	2.08		-1.44	8.54		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	RSup	-0.46	6.04	0.08	RSup	1.05	2.80	0.38	RSup	0.33	-0.18	
1	LSup	0.38	6.04	0.06	LSup	1.05	2.76	0.38	LSup	0.32	-0.01	
2	RSup	-0.74	6.04	0.12	RSup	2.08	2.77	0.75	RSup	0.64	-0.12	
2	LSup	0.82	6.04	0.14	LSup	2.08	2.78	0.75	LSup	0.64	-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	14.0	11.2	1.0	1.0	1.0	2.8	1.00	1.00	1.00	1.00	0.00	1.14	1.00	1.00	1.00	1.77

2	14.0	3.9	3.9	1.0	3.1	1.0	0.00	0.00	1.00	0.00	0.68	1.88	1.88	1.00	1.84	1.15
3	14.0	1.0	1.5	1.0	3.9	3.9	0.50	-0.13	1.00	-0.03	-0.03	1.26	1.94	1.00	1.89	1.89
4	14.0	3.2	1.0	1.0	1.0	10.8	-0.02	1.00	1.00	1.00	1.00	1.82	1.00	1.00	1.00	1.13

LOAD ID 13 : 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	0.55			-0.80	0.00		-1.59	5.75		1.69
1	0.45		-0.25	-0.31	1.69		-0.21	8.35	0.37	0.65
2	0.34	0.29		-0.42	0.65	0.34	-0.43	6.32		1.17
2	0.46			-0.30	1.17		-0.81	8.54		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	RSup	-0.80	6.04	0.13	MidS	-1.59	2.63	0.61	RSup	0.52	-0.35	
1	LSup	0.45	6.04	0.08	LSup	1.69	2.74	0.62	LSup	0.51	0.02	
2	RSup	-0.42	6.04	0.07	RSup	1.17	2.77	0.42	RSup	0.36	-0.06	
2	LSup	0.46	6.04	0.08	LSup	1.17	2.79	0.42	LSup	0.36	-0.17	

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	14.0	11.5	1.0	1.0	1.0	2.5	1.00	1.00	1.00	1.00	-0.01	1.14	1.00	1.00	1.00	1.77
2	14.0	5.5	5.5	1.0	1.8	1.0	0.00	0.00	1.00	0.00	0.57	1.94	1.94	1.00	1.79	1.22
3	14.0	1.0	1.3	1.0	3.7	3.7	0.52	0.00	1.00	0.00	0.00	1.25	1.74	1.00	1.83	1.83
4	14.0	3.1	1.0	1.0	1.0	10.9	0.00	1.00	1.00	1.00	1.00	1.78	1.00	1.00	1.00	1.14

LOAD ID 14 : Dead+Collateral+Snow/2+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	0.30			-0.46	0.00		-0.81	5.46		1.17
1	0.42		-0.29	-0.34	1.17		-0.43	7.68	0.34	0.65
2	0.31	0.25		-0.45	0.65	0.37	-0.21	5.65		1.69
2	0.80			-0.55	1.69		-1.59	8.25		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	RSup	-0.46	6.04	0.08	RSup	1.17	2.79	0.42	RSup	0.36	-0.17	
1	LSup	0.42	6.04	0.07	LSup	1.17	2.77	0.42	LSup	0.36	-0.06	
2	RSup	-0.45	6.04	0.08	RSup	1.69	2.74	0.62	RSup	0.51	0.02	
2	LSup	0.80	6.04	0.13	MidS	-1.59	2.63	0.61	LSup	0.52	-0.35	

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	14.0	10.9	1.0	1.0	1.0	3.1	1.00	1.00	1.00	1.00	0.00	1.14	1.00	1.00	1.00	1.78
2	14.0	3.7	3.7	1.0	1.3	1.0	0.00	0.00	1.00	0.00	0.52	1.83	1.83	1.00	1.74	1.25
3	14.0	1.0	1.8	1.0	5.5	5.5	0.57	0.00	1.00	0.00	0.00	1.22	1.79	1.00	1.94	1.94
4	14.0	2.5	1.0	1.0	1.0	11.5	-0.01	1.00	1.00	1.00	1.00	1.77	1.00	1.00	1.00	1.14

LOAD ID 15 : Dead+Collateral+Snow-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	0.28			-0.48	0.00		-0.71	5.10		1.45
1	0.66		-0.59	-0.69	1.45		-0.84	6.89	0.96	1.60
2	0.65	0.55		-0.70	1.60	1.00	-0.59	6.73		1.96
2	0.82			-0.53	1.96		-1.48	8.46		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	RSup	-0.48	6.04	0.08	RSup	1.45	2.76	0.52	RSup	0.44	-0.12	
1	LSup	0.66	6.04	0.11	LSup	1.45	2.80	0.52	LSup	0.45	-0.14	
2	RSup	-0.70	6.04	0.12	RSup	1.96	2.77	0.71	RSup	0.60	-0.06	
2	LSup	0.82	6.04	0.13	LSup	1.96	2.79	0.70	LSup	0.61	-0.31	

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	14.0	9.9	1.0	1.0	4.1	4.1	1.00	1.00	1.00	-0.05	-0.05	1.13	1.00	1.00	1.90	1.90
2	14.0	2.7	1.0	1.0	1.9	1.0	0.00	1.00	1.00	0.00	0.60	1.79	1.00	1.00	1.76	1.20
3	14.0	1.0	2.2	1.0	3.8	3.8	0.62	0.00	1.00	0.00	0.00	1.18	1.79	1.00	1.85	1.85
4	14.0	2.9	1.0	1.0	1.0	11.1	0.00	1.00	1.00	1.00	1.00	1.77	1.00	1.00	1.00	1.14

LOAD ID 16 : 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	0.53			-0.82	0.00		-1.48	5.54		1.96
1	0.70		-0.55	-0.65	1.96		-0.59	7.27	1.00	1.60
2	0.69	0.59		-0.66	1.60	0.96	-0.84	7.11		1.45
2	0.48			-0.28	1.45		-0.71	8.90		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	RSup	-0.82	6.04	0.13	RSup	1.96	2.79	0.70	RSup	0.61	-0.31	
1	LSup	0.70	6.04	0.12	LSup	1.96	2.77	0.71	LSup	0.60	-0.06	
2	RSup	-0.66	6.04	0.11	RSup	1.45	2.80	0.52	RSup	0.45	-0.14	
2	LSup	0.48	6.04	0.08	LSup	1.45	2.76	0.52	LSup	0.44	-0.12	

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	14.0	11.1	1.0	1.0	1.0	2.9	1.00	1.00	1.00	1.00	0.00	1.14	1.00	1.00	1.00	1.77
2	14.0	3.8	3.8	1.0	2.2	1.0	0.00	0.00	1.00	0.00	0.62	1.85	1.85	1.00	1.79	1.18
3	14.0	1.0	1.9	1.0	1.0	2.7	0.60	0.00	1.00	1.00	0.00	1.20	1.76	1.00	1.00	1.79
4	14.0	4.1	4.1	1.0	1.0	9.9	-0.05	-0.05	1.00	1.00	1.00	1.90	1.90	1.00	1.00	1.13

LOAD ID 17 : Dead+Collateral+UNB\_SL

REACTIONS:

Bay Id	-----Shear(k )-----				-----Moment (f-k )-----					
	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	Mid-Span Mom	Right Loc	Right Lap	Right Sup
1	0.68			-1.05	0.00		-1.89	5.52		2.58
1	0.92		-0.69	-0.82	2.58		-0.84	7.42	1.10	1.85
2	0.82	0.69		-0.92	1.85	1.10	-0.84	6.58		2.58
2	1.05			-0.68	2.58		-1.89	8.48		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	RSup	-1.05	6.04	0.17	RSup	2.58	2.79	0.93	RSup	0.79	-0.39	
1	LSup	0.92	6.04	0.15	LSup	2.58	2.77	0.93	LSup	0.79	-0.10	
2	RSup	-0.92	6.04	0.15	RSup	2.58	2.77	0.93	RSup	0.79	-0.10	
2	LSup	1.05	6.04	0.17	LSup	2.58	2.79	0.93	LSup	0.79	-0.39	

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	14.0	10.9	1.0	1.0	1.0	3.1	1.00	1.00	1.00	1.00	-0.03	1.13	1.00	1.00	1.00	1.82
2	14.0	3.8	3.8	1.0	2.0	1.0	0.00	0.00	1.00	-0.04	0.59	1.85	1.85	1.00	1.83	1.20
3	14.0	1.0	2.0	1.0	3.8	3.8	0.59	-0.04	1.00	0.00	0.00	1.20	1.83	1.00	1.85	1.85
4	14.0	3.1	1.0	1.0	1.0	10.9	-0.03	1.00	1.00	1.00	1.00	1.82	1.00	1.00	1.00	1.13

DEFLECTION:

LOAD ID 18 : Dead+Collateral+Live

Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.36	1.87	0.19
1	-0.09	1.87	0.05
2	-0.09	1.87	0.05
2	-0.36	1.87	0.19

LOAD ID 19 : Dead+Collateral+Snow

Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.30	1.87	0.16
1	-0.08	1.87	0.04
2	-0.08	1.87	0.04
2	-0.30	1.87	0.16

LOAD ID 20 : Dead+Collateral+Snow+Snow\_Drift

Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.30	1.87	0.16
1	-0.08	1.87	0.04
2	-0.08	1.87	0.04
2	-0.30	1.87	0.16

LOAD ID 21 : Dead+Collateral+0.75Live+0.36Wind\_Pressure

Bay Id	DEFLECTION(in)
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Id	Calc	Limit	Ratio
1	-0.37	2.24	0.16
1	-0.10	2.24	0.04
2	-0.10	2.24	0.04
2	-0.37	2.24	0.16

LOAD ID 22 : Dead+Collateral+0.75Snow+0.36Wind\_Pressure

Bay Id	DEFLECTION(in)		Ratio
	Calc	Limit	
1	-0.33	2.24	0.15
1	-0.09	2.24	0.04
2	-0.09	2.24	0.04
2	-0.33	2.24	0.15

LOAD ID 23 : Dead+Collateral+0.75Snow+0.36Wind\_Pressure+0.75Snow\_Drift

Bay Id	DEFLECTION(in)		Ratio
	Calc	Limit	
1	-0.33	2.24	0.15
1	-0.09	2.24	0.04
2	-0.09	2.24	0.04
2	-0.33	2.24	0.15

LOAD ID 24 : 0.6Dead+0.48Wind\_Suction

Bay Id	DEFLECTION(in)		Ratio
	Calc	Limit	
1	0.28	2.24	0.13
1	0.04	2.24	0.02
2	0.04	2.24	0.02
2	0.28	2.24	0.13

LOAD ID 25 : Dead+Collateral+MIN\_SNOW

Bay Id	DEFLECTION(in)		Ratio
	Calc	Limit	
1	-0.36	1.87	0.19
1	-0.09	1.87	0.05
2	-0.09	1.87	0.05
2	-0.36	1.87	0.19

LOAD ID 26 : Dead+Collateral+0.36Wind\_Pressure+0.75MIN\_SNOW

Bay Id	DEFLECTION(in)		Ratio
	Calc	Limit	
1	-0.37	2.24	0.16
1	-0.10	2.24	0.04
2	-0.10	2.24	0.04
2	-0.37	2.24	0.16

LOAD ID 27 : Dead+Collateral+Snow/2+PAT\_SL\_3

Bay Id	DEFLECTION(in)		Ratio
	Calc	Limit	
1	-0.29	1.87	0.16
1	-0.12	1.87	0.06
2	-0.01	1.87	0.00

2 -0.18 1.87 0.10

LOAD ID 28 : Dead+Collateral+Snow/2+PAT\_SL\_4

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Bay Id	DEFLECTION(in)		Ratio
	Calc	Limit	
1	-0.13	1.87	0.07
1	-0.12	1.87	0.07
2	-0.12	1.87	0.07
2	-0.13	1.87	0.07

LOAD ID 29 : Dead+Collateral+Snow/2+PAT\_SL\_5

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Bay Id	DEFLECTION(in)		Ratio
	Calc	Limit	
1	-0.18	1.87	0.10
1	-0.01	1.87	0.00
2	-0.12	1.87	0.06
2	-0.29	1.87	0.16

LOAD ID 30 : Dead+Collateral+Snow/2+PAT\_SL\_1

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Bay Id	DEFLECTION(in)		Ratio
	Calc	Limit	
1	-0.35	1.87	0.19
1	0.02	1.87	0.01
2	-0.06	1.87	0.03
2	-0.17	1.87	0.09

LOAD ID 31 : Dead+Collateral+Snow/2+PAT\_SL\_2

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Bay Id	DEFLECTION(in)		Ratio
	Calc	Limit	
1	-0.17	1.87	0.09
1	-0.06	1.87	0.03
2	0.02	1.87	0.01
2	-0.35	1.87	0.19

LOAD ID 32 : Dead+Collateral+Snow-PAT\_SL\_1

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Bay Id	DEFLECTION(in)		Ratio
	Calc	Limit	
1	-0.12	1.87	0.07
1	-0.14	1.87	0.08
2	-0.06	1.87	0.03
2	-0.31	1.87	0.17

LOAD ID 33 : Dead+Collateral+Snow-PAT\_SL\_2

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Bay Id	DEFLECTION(in)		Ratio
	Calc	Limit	
1	-0.31	1.87	0.17
1	-0.06	1.87	0.03
2	-0.14	1.87	0.08
2	-0.12	1.87	0.07

LOAD ID 34 : Dead+Collateral+UNB\_SL

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Bay Id	DEFLECTION(in)		Ratio
	Calc	Limit	



Id	Calc	Limit	Ratio
1	-0.39	1.87	0.21
1	-0.10	1.87	0.05
2	-0.10	1.87	0.05
2	-0.39	1.87	0.21

=====  
17 Purlin Lap Screw 8/26/22 9:49am  
=====

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					17	0.15	0.68	0.23
	2	17	0.15	0.68	0.23				
3	1					17	0.15	0.68	0.23
	2	17	0.15	0.68	0.23				

PANEL LAYOUT:

Surf Id	Part	Type	Gage	Yield	Surface Length	Rotation Stiffness
2	PBR26	PR	26.00	60.0	30.03	0.00
3	PBR26	PR	26.00	60.0	30.03	0.00

PANEL STRENGTH:

Surf Id	Area	Load Id	-----Support-----				-----Midspan-----			
			Offset (ft)	Calc	Limit	Ratio	Offset (ft)	Calc	Limit	Ratio
2	Left	1	25.0	58.2	153.1	0.38	2.0	-42.7	111.4	0.38
		2	5.0	49.7	153.1	0.32	2.0	-36.5	111.4	0.33
		3	5.0	49.7	153.1	0.32	2.0	-36.5	111.4	0.33
		4	5.0	64.0	153.1	0.42	2.0	-47.0	111.4	0.42
		5	5.0	57.7	153.1	0.38	2.0	-42.4	111.4	0.38
		6	5.0	-117	111.4	1.05*	2.0	82.8	153.1	0.54
		7	5.0	58.2	153.1	0.38	2.0	-42.7	111.4	0.38
		8	5.0	64.0	153.1	0.42	2.0	-47.0	111.4	0.42
		9	25.0	65.8	153.1	0.43	28.1	-48.2	111.4	0.43
2	Center	1	25.0	58.2	153.1	0.38	2.0	-42.7	111.4	0.38
		2	5.0	49.7	153.1	0.32	2.0	-36.5	111.4	0.33
		3	5.0	49.7	153.1	0.32	2.0	-36.5	111.4	0.33
		4	5.0	64.0	153.1	0.42	2.0	-47.0	111.4	0.42
		5	5.0	57.7	153.1	0.38	2.0	-42.4	111.4	0.38
		6	5.0	-85.1	111.4	0.76	2.0	60.3	153.1	0.39
		7	5.0	58.2	153.1	0.38	2.0	-42.7	111.4	0.38
		8	5.0	64.0	153.1	0.42	2.0	-47.0	111.4	0.42
		9	25.0	65.8	153.1	0.43	28.1	-48.2	111.4	0.43
2	Right	1	25.0	58.2	153.1	0.38	2.0	-42.7	111.4	0.38
		2	5.0	49.7	153.1	0.32	2.0	-36.5	111.4	0.33
		3	5.0	49.7	153.1	0.32	2.0	-36.5	111.4	0.33
		4	5.0	64.0	153.1	0.42	2.0	-47.0	111.4	0.42
		5	5.0	57.7	153.1	0.38	2.0	-42.4	111.4	0.38
		6	5.0	-117	111.4	1.05*	2.0	82.8	153.1	0.54
		7	5.0	58.2	153.1	0.38	2.0	-42.7	111.4	0.38
		8	5.0	64.0	153.1	0.42	2.0	-47.0	111.4	0.42
		9	25.0	65.8	153.1	0.43	28.1	-48.2	111.4	0.43
3	Left	1	25.0	58.2	153.1	0.38	2.0	-42.7	111.4	0.38
		2	5.0	49.7	153.1	0.32	2.0	-36.5	111.4	0.33
		3	5.0	49.7	153.1	0.32	2.0	-36.5	111.4	0.33
		4	5.0	64.0	153.1	0.42	2.0	-47.0	111.4	0.42
		5	5.0	57.7	153.1	0.38	2.0	-42.4	111.4	0.38
		6	25.0	-117	111.4	1.05*	28.1	82.8	153.1	0.54
		7	5.0	58.2	153.1	0.38	2.0	-42.7	111.4	0.38
		8	5.0	64.0	153.1	0.42	2.0	-47.0	111.4	0.42
		9	5.0	65.8	153.1	0.43	2.0	-48.2	111.4	0.43
3	Center	1	25.0	58.2	153.1	0.38	2.0	-42.7	111.4	0.38
		2	5.0	49.7	153.1	0.32	2.0	-36.5	111.4	0.33
		3	5.0	49.7	153.1	0.32	2.0	-36.5	111.4	0.33
		4	5.0	64.0	153.1	0.42	2.0	-47.0	111.4	0.42
		5	5.0	57.7	153.1	0.38	2.0	-42.4	111.4	0.38
		6	25.0	-85.1	111.4	0.76	28.1	60.3	153.1	0.39
		7	5.0	58.2	153.1	0.38	2.0	-42.7	111.4	0.38
		8	5.0	64.0	153.1	0.42	2.0	-47.0	111.4	0.42
		9	5.0	65.8	153.1	0.43	2.0	-48.2	111.4	0.43

3	Right	1	25.0	58.2	153.1	0.38	2.0	-42.7	111.4	0.38
		2	5.0	49.7	153.1	0.32	2.0	-36.5	111.4	0.33
		3	5.0	49.7	153.1	0.32	2.0	-36.5	111.4	0.33
		4	5.0	64.0	153.1	0.42	2.0	-47.0	111.4	0.42
		5	5.0	57.7	153.1	0.38	2.0	-42.4	111.4	0.38
		6	25.0	-117	111.4	1.05*	28.1	82.8	153.1	0.54
		7	5.0	58.2	153.1	0.38	2.0	-42.7	111.4	0.38
		8	5.0	64.0	153.1	0.42	2.0	-47.0	111.4	0.42
		9	5.0	65.8	153.1	0.43	2.0	-48.2	111.4	0.43

\*WRN (PRM-203) Moment > Limit

PANEL DEFLECTION:

Surf Id	Area	Load Id	-----Deflection(in)-----			
			Offset	Calc	Limit	Ratio
2	Left	10	2.5	-0.16	1.00	0.16
		11	2.5	-0.13	1.00	0.13
		12	2.5	-0.13	1.00	0.13
		13	2.5	-0.06	1.00	0.06
		14	2.5	0.27	1.00	0.27
		15	2.5	-0.16	1.00	0.16
2	Center	10	27.5	-0.20	1.00	0.20
		11	2.5	-0.16	1.00	0.16
		12	2.5	-0.13	1.00	0.13
		13	2.5	-0.13	1.00	0.13
		14	2.5	-0.06	1.00	0.06
		15	2.5	0.20	1.00	0.20
2	Right	10	2.5	-0.16	1.00	0.16
		11	2.5	-0.13	1.00	0.13
		12	2.5	-0.13	1.00	0.13
		13	2.5	-0.06	1.00	0.06
		14	2.5	0.27	1.00	0.27
		15	2.5	-0.16	1.00	0.16
3	Left	10	27.5	-0.20	1.00	0.20
		11	2.5	-0.16	1.00	0.16
		12	2.5	-0.13	1.00	0.13
		13	2.5	-0.13	1.00	0.13
		14	2.5	-0.06	1.00	0.06
		15	2.5	0.27	1.00	0.27
3	Center	10	2.5	-0.16	1.00	0.16
		11	2.5	-0.13	1.00	0.13
		12	2.5	-0.13	1.00	0.13
		13	2.5	-0.06	1.00	0.06
		14	27.5	0.20	1.00	0.20
		15	2.5	-0.16	1.00	0.16
3	Right	10	2.5	-0.16	1.00	0.16
		11	2.5	-0.13	1.00	0.13
		12	2.5	-0.13	1.00	0.13
		13	2.5	-0.06	1.00	0.06
		14	27.5	0.27	1.00	0.27
		15	2.5	-0.16	1.00	0.16
16	2.5	-0.20	1.00	0.20		

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 Dead+Collateral+UNB\_SL  
10 Live  
11 Snow  
12 Snow+Snow\_Drift  
13 0.48Wind\_Pressure  
14 0.48Wind\_Suction  
15 MIN\_SNOW  
16 Dead+Collateral+UNB\_SL

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) Start	Locate (ft) End	Surface (ft) Offset1	Surface (ft) Offset2	Bay Id	Purlin (ft,in) Id	Load Width	Min Thick	Panel Zone (ft)
2	1	Interior	19.04	36.96	19.04	30.03	1	4	5.00	0.074	5.00
2	2	Middle	9.52	46.48	9.52	30.03	1	4	5.00	0.074	5.00
2	7	Lt top corner	0.00	9.52	0.00	3.18	1	1	5.00	0.074	5.00
2	8	Rt top corner	46.48	56.00	0.00	3.18	2	1	5.00	0.074	5.00
2	11	Lt top cor gabl	0.00	3.18	3.18	9.53	1	1	5.00	0.074	5.00
2	12	Rt top cor gabl	52.82	56.00	3.18	9.53	2	1	5.00	0.074	5.00
2	15	Exterior	0.00	56.00	0.00	30.03	1	4	5.00	0.074	5.00
3	1	Interior	19.04	36.96	0.00	10.99	1	1	5.00	0.074	5.00
3	2	Middle	9.52	46.48	0.00	20.51	1	4	5.00	0.074	5.00
3	9	Rt bot corner	46.48	56.00	26.85	30.03	2	5	5.00	0.074	5.00
3	10	Lt bot corner	0.00	9.52	26.85	30.03	1	5	5.00	0.074	5.00
3	13	Rt bot cor gabl	52.82	56.00	20.50	26.85	2	5	5.00	0.074	5.00
3	14	Lt bot cor gabl	0.00	3.18	20.50	26.85	1	5	5.00	0.074	5.00
3	15	Exterior	0.00	56.00	0.00	30.03	1	4	5.00	0.074	5.00

PURLIN SCREW CHECK:

Surf Id	Zone Id	Screw Space	Wind Suction (psf)	Load (k)	Limit (k) Purlin Pullout	Limit (k) Panel Pullover	Screw Tension	Max UC
2	1	0.95	14.16	0.07	0.27	0.37	0.77	0.25
2	2	0.95	24.64	0.12	0.27	0.37	0.77	0.43
2	7	0.95	44.32	0.21	0.27	0.37	0.77	0.77
2	8	0.95	44.32	0.21	0.27	0.37	0.77	0.77
2	11	0.95	44.32	0.21	0.27	0.37	0.77	0.77
2	12	0.95	44.32	0.21	0.27	0.37	0.77	0.77
2	15	0.95	32.57	0.16	0.27	0.37	0.77	0.56
3	1	0.95	14.16	0.07	0.27	0.37	0.77	0.25
3	2	0.95	24.64	0.12	0.27	0.37	0.77	0.43
3	9	0.95	44.32	0.21	0.27	0.37	0.77	0.77
3	10	0.95	44.32	0.21	0.27	0.37	0.77	0.77
3	13	0.95	44.32	0.21	0.27	0.37	0.77	0.77
3	14	0.95	44.32	0.21	0.27	0.37	0.77	0.77
3	15	0.95	32.57	0.16	0.27	0.37	0.77	0.56

ROOF PANEL

Member

WRN(PRM-203): Moment > Limit

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

\*( 2)JOB IDENTIFICATION:
   
\* Job Id
   
'17'

\*( 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
   
60.0000 56.0000 15.8750 15.8750 30.0000 0.500 8

\*( 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 11.250 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'
   
7 'NYYY' 'YYYY' 0.000 0.000 '-' '-' 'N' 'N'
   
8 'NYYY' 'YYYY' 0.000 0.000 '-' '-' 'N' 'N'

\*(10)STEP ELEVATION:
   
\*No. Base Eave Step -Slope\_Offset-
   
\*Step Start End Elev Height Type Start End
   
1 0.0000 56.0000 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
3	6	'T'	0.0000	60.0000	3	14.0000	'L'
						28.0000	'L'
						42.0000	'L'
	7	'L'	30.0000	14.0000	1	0.0000	'F'
	8	'L'	30.0000	14.0000	3	14.0000	'F'
						28.0000	'F'
						42.0000	'F'

\*(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	12
2	1	14.0000	4
3	1	5.0000	12
4	1	14.0000	4
5	1	28.0000	2
6	1	5.0000	12
7	1	4.6667	3
8	1	4.6667	3

\*(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
8	2	1	1.0000	2	30.0000	12.0000	14.0000	0.0000	'-'	'DOOR62	'C'	'C'	'C'	6
.000														
.000	2	2	1.0000	2	30.0000	12.0000	14.0000	0.0000	'-'	'DOOR62	'C'	'C'	'C'	6
.000														
.000	2	3	1.0000	2	30.0000	12.0000	14.0000	0.0000	'-'	'DOOR62	'C'	'C'	'C'	6
.000														
.000	2	4	1.0000	2	30.0000	12.0000	14.0000	0.0000	'-'	'DOOR62	'C'	'C'	'C'	6
.000														
.000	4	1	1.0000	2	30.0000	12.0000	14.0000	0.0000	'-'	'DOOR62	'C'	'C'	'C'	6
.000														
.000	4	2	1.0000	2	30.0000	12.0000	14.0000	0.0000	'-'	'DOOR62	'C'	'C'	'C'	6
.000														
.000	4	3	1.0000	2	30.0000	12.0000	14.0000	0.0000	'-'	'DOOR62	'C'	'C'	'C'	6
.000														
.000	4	4	1.0000	2	30.0000	12.0000	14.0000	0.0000	'-'	'DOOR62	'C'	'C'	'C'	6

\*(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



## \* (19) COLUMNS:

*Wall	No.	Col	Col	Col	Col	Set
* Id	Col	Id	Type	Rot	Opt	Depth
1	13	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'	'B'	'-'	6.000
		9	'C'	'B'	'-'	6.000
		10	'C'	'B'	'-'	6.000
		11	'C'	'B'	'-'	6.000
		12	'C'	'B'	'-'	6.000
		13	'-'	'R'	'-'	6.000
2	5	14	'C'	'R'	'-'	6.000
		15	'C'	'L'	'-'	6.000
		16	'C'	'L'	'-'	6.000
		17	'C'	'L'	'-'	6.000
3	13	18	'C'	'L'	'-'	6.000
		19	'-'	'L'	'-'	6.000
		20	'C'	'B'	'-'	6.000
		21	'C'	'B'	'-'	6.000
		22	'C'	'B'	'-'	6.000
		23	'C'	'B'	'-'	6.000
		24	'C'	'B'	'-'	6.000
		25	'C'	'F'	'-'	6.000
		26	'C'	'F'	'-'	6.000
		27	'C'	'F'	'-'	6.000
4	5	28	'C'	'F'	'-'	6.000
		29	'C'	'F'	'-'	6.000
		30	'C'	'F'	'-'	6.000
		31	'-'	'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'	'R'	'-'	6.000

## \* (20) INTERIOR COLUMNS:

*Wall	No.	Col	Col	Col	Col	Set		
* Id	Col	Id	Type	Rot	Opt	Depth		
6	13	37	'-'	'L'	'-'	6.000		
		38	'C'	'F'	'-'	6.000		
		39	'C'	'F'	'-'	6.000		
		40	'C'	'F'	'-'	6.000		
		41	'C'	'F'	'-'	6.000		
		42	'C'	'F'	'-'	6.000		
		43	'C'	'F'	'-'	6.000		
		44	'C'	'B'	'-'	6.000		
		45	'C'	'B'	'-'	6.000		
		46	'C'	'B'	'-'	6.000		
		47	'C'	'B'	'-'	6.000		
		48	'C'	'B'	'-'	6.000		
		49	'-'	'L'	'-'	6.000		
		7	4	50	'-'	'F'	'-'	6.000
				51	'C'	'L'	'-'	6.000
				52	'C'	'L'	'-'	6.000
		8	4	53	'-'	'F'	'-'	6.000
54	'-'			'F'	'-'	6.000		
55	'C'			'L'	'-'	6.000		
56	'C'			'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	2	1	0.0000	'O'	'-'	'-'	6.125
		2	28.0000	'O'	'-'	'-'	6.125
3	0						
4	2	3	0.0000	'O'	'-'	'-'	6.125
		4	28.0000	'O'	'-'	'-'	6.125

\* (23) INTERIOR RAFTERS:

*Wall	No.	Raf	Raf	Raf	Raf	Raf	Set
* Id	Raf	Id	Offset	Type	Rot	Opt	Depth
6	0						
7	0						
8	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'	3	4.0000    8.0000    12.0000
	2	'Y'	3	4.0000    8.0000    12.0000
	3	'Y'	3	4.0000    8.0000    12.0000
	4	'Y'	3	4.0000    8.0000    12.0000

\* (27) ROOF PURLINS:

* Purlin	Peak	No.	---Purlin---	
* Type	Space	Purlin	Location	Rot
'ZB'	0.0000	11	5.0000	'N'
			10.0000	'N'
			15.0000	'N'
			20.0000	'N'
			25.0000	'N'
			30.0000	'N'
			35.0000	'Y'
			40.0000	'Y'
			45.0000	'Y'
			50.0000	'Y'
			55.0000	'Y'

\* (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 '
  7 'PBR29 ' 'R' '---' 'S--' 'GL '
  8 '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' 'S' '-' 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 16.8 0.0 21.9 1.00 0.48 1.00 0.60 1.00

```

\* (35) EDGE ZONE:

```

* Zone Brace
* Width Girt Panel Col/ Zone
  5.600 1.07 1.00 1.07 5.600

```

\* (36) WIND PRESSURE/SUCTION:

```

* Wind Wind
* Press Suct
  19.1 -21.1 .. Ext Column
  19.1 -21.1 .. Girt/Header
  19.1 -21.1 .. Jamb
  23.6 -31.5 .. Ext Panel
  50.4 -32.3 .. Parapet Girt

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

  8.8 -6.3 .. Bracing
  13.3 -9.4 .. Bracing, Edge
  32.8 -21.9 .. Bracing, Parapet

```



.00	27	1.00	1.00	0.00	0.75	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.45	0
	0	0.00														
.00	28	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.60	0.00	0
	0	0.00														
.00	29	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60	0.00	0
	0	0.00														
.00	30	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.60	0
	0	0.00														
.00	31	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.60	0
	0	0.00														
.00	32	0.60	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0
	0	0.00														
.00	33	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.60	0
	0	0.00														
.00	34	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.60	0
	0	0.00														
.00	35	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.60	0
	0	0.00														
.70	36	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
	0	0.00														
.70	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
	0	0.00														
.53	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
	0	0.00														
.53	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
	0	0.00														
.53	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
	0	0.00														
.53	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
	0	0.00														
.53	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
	0	0.00														
.53	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
	0	0.00														
.70	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
	0	0.00														
.70	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
	0	0.00														
.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
	1	1.00														
.00	47	1.00	1.00	0.00	0.01	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.45	0
	1	0.75														
.00	48	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	0.45	0
	1	0.75														
.70	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
	0	0.00														
.70	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
	0	0.00														
.70	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
	0	0.00														
.70	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
	0	0.00														
.00	53	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
	2	1.00														
.00	54	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
	2	0.75														
.00	55	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	0.45	0
	2	0.75														
.00	56	1.01	1.01	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
	2	0.75														

\* (39) COLUMN, RAFTER, BRACING DESIGN LOADS: Deflection

\* Load Wind\_1 Wind\_2 Long\_Wind Column\_Wind  
 | Aux Load



.00	32	0.60	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	0
	0	0.00														
.00	33	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	0
	0	0.00														
.00	34	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0
	0	0.00														
.00	35	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0
	0	0.00														
.70	36	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
	0	0.00														
.70	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
	0	0.00														
.53	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
	0	0.00														
.53	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
	0	0.00														
.53	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
	0	0.00														
.53	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
	0	0.00														
.53	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
	0	0.00														
.53	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
	0	0.00														
.70	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
	0	0.00														
.70	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
	0	0.00														
.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
	1	1.00														
.00	47	1.00	1.00	0.00	0.01	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.45	0
	1	0.75														
.00	48	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	0.45	0
	1	0.75														
.00	49	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
	2	1.00														
.00	50	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
	2	0.75														
.00	51	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	0.75	0
	2	0.75														
.00	52	1.01	1.01	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
	2	0.75														

\* (40) AUXILIARY LOADS:

* No.	Aux	Aux	No.	Add	Add
Aux	Id	Name	Comb	Id	Coef
2	1	'MIN_SNOW	2	1	1.00
				2	1.00
	2	'UNB_SL	4	3	1.00
				4	0.33
				5	1.00
				6	0.33

\* (41) ADDITIONAL LOADS:

*No.	Add	Surf	Basic	Load	Load	F	D	---Surface---			
Add	Id	Id	Load	Type	Orn	W1	W2	D1	D2	Start	End
6	1	2	'U_SNOW'	'D'	'T'	-20.00	-20.00	0.0000	30.0260	0.000	56.000
	2	3	'U_SNOW'	'D'	'T'	-20.00	-20.00	0.0000	30.0260	0.000	56.000
	3	2	'U_SNOW'	'D'	'T'	-16.80	-16.80	0.0000	30.0260	0.000	56.000
	4	2	'U_SNOW'	'D'	'T'	-16.80	-16.80	8.7761	30.0260	0.000	56.000

5	3	'U SNOW'	'D'	'T'	-16.80	-16.80	0.0000	30.0260	0.000	56.000
6	3	'U_SNOW'	'D'	'T'	-16.80	-16.80	0.0000	21.2499	0.000	56.000

\*(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	Part	Dia	Limit	Washer Dia	-----Spacing-----		
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
	2	Unbalanced snow load

\*ADDITIONAL LOAD DESCRIPTIONS:

* Add	Id	Description
	1	Minimum snow load surface 2
	2	Minimum snow load surface 3
	3	Unbalanced snow load surface 2
	4	Unbalanced snow load surface 2
	5	Unbalanced snow load surface 3
	6	Unbalanced snow load surface 3

\* 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	Type	Roof_Extents Start	Roof_Extents End	Roof Length	Panel Part
1	Long	0.0	56.0	56.0	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	0.27	0.13	4.8	2.3	100.0
		5.0	10.0	0.84	0.23	15.0	4.1	100.0
		10.0	15.0	1.21	0.33	21.6	5.9	100.0
		15.0	20.0	1.58	0.43	28.3	7.6	100.0
		20.0	25.0	1.96	0.53	35.0	9.4	100.0
		25.0	30.0	2.34	0.63	41.9	11.2	100.0
		30.0	35.0	2.28	0.63	40.6	11.2	100.0
		35.0	40.0	1.89	0.53	33.8	9.4	100.0
		40.0	45.0	1.51	0.43	27.0	7.6	100.0
		45.0	50.0	1.14	0.33	20.4	5.9	100.0
		50.0	55.0	0.77	0.23	13.8	4.1	100.0
		55.0	60.0	0.27	0.13	4.8	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	56.0	Open						
Long	30.0	0.0	56.0	56.0	PBR29	5.01	1.44	89.4	25.8	100.0
F_SW	60.0	0.0	56.0	Open						
L_EW	0.0	0.0	60.0	60.0	CUSPANL	0.61	0.21	10.2	3.6	50.0
Tran	14.0	0.0	60.0	60.0	PBR29	1.22	0.33	20.4	5.5	100.0
Tran	28.0	0.0	60.0	60.0	PBR29	1.22	0.33	20.4	5.5	100.0
Tran	42.0	0.0	60.0	60.0	PBR29	1.22	0.33	20.4	5.5	100.0
R_EW	56.0	0.0	60.0	60.0	CUSPANL	0.61	0.21	10.2	3.6	50.0

WALL LAYOUT:

Wall Id	Orn	Load Width
1	T	7.00

MEMBER LAYOUT:

Id	Locate (ft)	Part	---Web (in)---		-Flange (in)-		Length (ft)	Weight (lb)	----Max_Load----		
			Depth	Thick	Width	Thick			Id	UC	Report
Col2	5.0	6X2C16	6.00	16ga	2.00	16ga	16.1	35.3	15	0.81	Mom+Axl
Col3	10.0	6X2C16	6.00	16ga	2.00	16ga	16.3	35.8	15	0.80	Mom+Axl
Col4	15.0	6X2C16	6.00	16ga	2.00	16ga	16.5	36.2	15	0.82	Mom+Axl
Col5	20.0	6X2C16	6.00	16ga	2.00	16ga	16.8	36.7	15	0.84	Mom+Axl
Col6	25.0	6X2C16	6.00	16ga	2.00	16ga	17.0	37.1	15	0.86	Mom+Axl
Col7	30.0	6X2C16	6.00	16ga	2.00	16ga	17.1	37.4	53	0.10	Mom+Axl
Col8	35.0	6X2C16	6.00	16ga	2.00	16ga	17.0	37.1	14	0.86	Mom+Axl
Col9	40.0	6X2C16	6.00	16ga	2.00	16ga	16.8	36.7	14	0.84	Mom+Axl
Col10	45.0	6X2C16	6.00	16ga	2.00	16ga	16.5	36.2	14	0.82	Mom+Axl
Col11	50.0	6X2C16	6.00	16ga	2.00	16ga	16.3	35.8	14	0.80	Mom+Axl
Col12	55.0	6X2C16	6.00	16ga	2.00	16ga	16.1	35.3	14	0.81	Mom+Axl
Total=								399.7			

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+
Col2	1	0.83	7.66	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col2	2	0.13	7.66	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col2	3	0.72	7.66	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col2	4	0.72	7.66	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col2	5	0.66	7.66	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col2	6	0.57	7.66	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col2	7	0.57	7.66	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col2	8	-0.40	21.18	0.46	3.32	-1.86	2.65	0.02	0.14	0.68	0.00
Col2	9	-0.18	21.18	0.46	3.32	-1.86	2.65	0.01	0.14	0.69	0.00
Col2	10	-0.40	21.18	-0.53	3.32	2.15	2.65	0.02	0.16	0.79	0.00
Col2	11	-0.18	21.18	-0.53	3.32	2.15	2.65	0.01	0.16	0.80	0.00
Col2	12	-0.40	21.18	-0.53	3.32	2.15	2.65	0.02	0.16	0.79	0.00
Col2	13	-0.18	21.18	-0.53	3.32	2.15	2.65	0.01	0.16	0.80	0.00
Col2	14	-0.23	21.18	-0.53	3.32	2.15	2.65	0.01	0.16	0.80	0.00
Col2	15	-0.02	21.18	-0.53	3.32	2.15	2.65	0.00	0.16	0.81	0.00
Col2	16	0.40	7.66	-0.40	3.32	1.61	2.65	0.05	0.12	0.66	0.00
Col2	17	0.56	7.66	-0.40	3.32	1.61	2.65	0.07	0.12	0.68	0.00
Col2	18	0.27	7.66	-0.40	3.32	1.61	2.65	0.04	0.12	0.64	0.00
Col2	19	0.43	7.66	-0.40	3.32	1.61	2.65	0.06	0.12	0.66	0.00
Col2	20	0.31	7.66	-0.40	3.32	1.61	2.65	0.04	0.12	0.65	0.00
Col2	21	0.47	7.66	-0.40	3.32	1.61	2.65	0.06	0.12	0.67	0.00
Col2	22	0.19	7.66	-0.40	3.32	1.61	2.65	0.02	0.12	0.63	0.00
Col2	23	0.35	7.66	-0.40	3.32	1.61	2.65	0.05	0.12	0.65	0.00
Col2	24	0.31	7.66	-0.40	3.32	1.61	2.65	0.04	0.12	0.65	0.00
Col2	25	0.47	7.66	-0.40	3.32	1.61	2.65	0.06	0.12	0.67	0.00
Col2	26	0.19	7.66	-0.40	3.32	1.61	2.65	0.02	0.12	0.63	0.00
Col2	27	0.35	7.66	-0.40	3.32	1.61	2.65	0.05	0.12	0.65	0.00
Col2	28	-0.42	21.18	0.46	3.32	-1.86	2.65	0.02	0.14	0.68	0.00
Col2	29	-0.21	21.18	0.46	3.32	-1.86	2.65	0.01	0.14	0.69	0.00
Col2	30	-0.42	21.18	-0.53	3.32	2.15	2.65	0.02	0.16	0.79	0.00

Col2	31	-0.21	21.18	-0.53	3.32	2.15	2.65	0.01	0.16	0.80	0.00
Col2	32	-0.42	21.18	-0.53	3.32	2.15	2.65	0.02	0.16	0.79	0.00
Col2	33	-0.21	21.18	-0.53	3.32	2.15	2.65	0.01	0.16	0.80	0.00
Col2	34	-0.26	21.18	-0.53	3.32	2.15	2.65	0.01	0.16	0.80	0.00
Col2	35	-0.05	21.18	-0.53	3.32	2.15	2.65	0.00	0.16	0.81	0.00
Col2	36	0.13	7.66	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col2	37	0.13	7.66	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col2	38	0.66	7.66	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col2	39	0.66	7.66	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col2	40	0.57	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col2	41	0.57	7.66	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col2	42	0.57	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col2	43	0.57	7.66	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col2	44	0.08	7.66	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col2	45	0.08	7.66	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col2	46	0.83	7.66	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col2	47	0.40	7.66	-0.40	3.32	1.61	2.65	0.05	0.12	0.66	0.00
Col2	48	0.56	7.66	-0.40	3.32	1.61	2.65	0.07	0.12	0.68	0.00
Col2	49	0.13	7.66	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col2	50	0.13	7.66	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col2	51	0.09	7.66	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col2	52	0.09	7.66	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col2	53	0.73	7.66	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col2	54	0.58	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col2	55	0.58	7.66	-0.40	3.32	1.61	2.65	0.08	0.12	0.68	0.00
Col2	56	0.58	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col3	1	0.83	7.45	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col3	2	0.13	7.45	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col3	3	0.72	7.45	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col3	4	0.72	7.45	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col3	5	0.66	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col3	6	0.57	7.45	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col3	7	0.57	7.45	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col3	8	-0.40	21.18	0.47	3.32	-1.91	2.65	0.02	0.14	0.70	0.00
Col3	9	-0.18	21.18	0.47	3.32	-1.91	2.65	0.01	0.14	0.71	0.00
Col3	10	-0.40	21.18	-0.52	3.32	2.11	2.65	0.02	0.16	0.78	0.00
Col3	11	-0.18	21.18	-0.52	3.32	2.11	2.65	0.01	0.16	0.79	0.00
Col3	12	-0.40	21.18	-0.52	3.32	2.11	2.65	0.02	0.16	0.78	0.00
Col3	13	-0.18	21.18	-0.52	3.32	2.11	2.65	0.01	0.16	0.79	0.00
Col3	14	-0.23	21.18	-0.52	3.32	2.11	2.65	0.01	0.16	0.79	0.00
Col3	15	-0.02	21.18	-0.52	3.32	2.11	2.65	0.00	0.16	0.80	0.00
Col3	16	0.40	7.45	-0.39	3.32	1.58	2.65	0.05	0.12	0.65	0.00
Col3	17	0.56	7.45	-0.39	3.32	1.58	2.65	0.07	0.12	0.67	0.00
Col3	18	0.27	7.45	-0.39	3.32	1.58	2.65	0.04	0.12	0.63	0.00
Col3	19	0.43	7.45	-0.39	3.32	1.58	2.65	0.06	0.12	0.66	0.00
Col3	20	0.31	7.45	-0.39	3.32	1.58	2.65	0.04	0.12	0.64	0.00
Col3	21	0.47	7.45	-0.39	3.32	1.58	2.65	0.06	0.12	0.66	0.00
Col3	22	0.19	7.45	-0.39	3.32	1.58	2.65	0.03	0.12	0.62	0.00
Col3	23	0.35	7.45	-0.39	3.32	1.58	2.65	0.05	0.12	0.65	0.00
Col3	24	0.31	7.45	-0.39	3.32	1.58	2.65	0.04	0.12	0.64	0.00
Col3	25	0.47	7.45	-0.39	3.32	1.58	2.65	0.06	0.12	0.66	0.00
Col3	26	0.19	7.45	-0.39	3.32	1.58	2.65	0.03	0.12	0.62	0.00
Col3	27	0.35	7.45	-0.39	3.32	1.58	2.65	0.05	0.12	0.65	0.00
Col3	28	-0.42	21.18	0.47	3.32	-1.91	2.65	0.02	0.14	0.70	0.00
Col3	29	-0.21	21.18	0.47	3.32	-1.91	2.65	0.01	0.14	0.71	0.00
Col3	30	-0.42	21.18	-0.52	3.32	2.11	2.65	0.02	0.16	0.78	0.00
Col3	31	-0.21	21.18	-0.52	3.32	2.11	2.65	0.01	0.16	0.79	0.00
Col3	32	-0.42	21.18	-0.52	3.32	2.11	2.65	0.02	0.16	0.78	0.00
Col3	33	-0.21	21.18	-0.52	3.32	2.11	2.65	0.01	0.16	0.79	0.00
Col3	34	-0.26	21.18	-0.52	3.32	2.11	2.65	0.01	0.16	0.79	0.00
Col3	35	-0.05	21.18	-0.52	3.32	2.11	2.65	0.00	0.16	0.80	0.00
Col3	36	0.14	7.45	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col3	37	0.14	7.45	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col3	38	0.66	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col3	39	0.66	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00

Col3	40	0.58	7.45	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col3	41	0.58	7.45	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col3	42	0.58	7.45	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col3	43	0.58	7.45	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col3	44	0.08	7.45	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col3	45	0.08	7.45	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col3	46	0.83	7.45	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col3	47	0.40	7.45	-0.39	3.32	1.58	2.65	0.05	0.12	0.65	0.00
Col3	48	0.56	7.45	-0.39	3.32	1.58	2.65	0.07	0.12	0.67	0.00
Col3	49	0.13	7.45	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col3	50	0.13	7.45	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col3	51	0.09	7.45	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col3	52	0.09	7.45	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col3	53	0.86	7.45	0.00	3.32	0.00	2.65	0.12	0.00	0.12	0.00
Col3	54	0.68	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col3	55	0.68	7.45	-0.39	3.32	1.58	2.65	0.09	0.12	0.69	0.00
Col3	56	0.68	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col4	1	0.83	7.23	0.00	3.32	0.00	2.65	0.12	0.00	0.12	0.00
Col4	2	0.13	7.23	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col4	3	0.72	7.23	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col4	4	0.72	7.23	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col4	5	0.66	7.23	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col4	6	0.57	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col4	7	0.57	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col4	8	-0.40	21.18	0.47	3.32	-1.96	2.65	0.02	0.14	0.72	0.00
Col4	9	-0.18	21.18	0.47	3.32	-1.96	2.65	0.01	0.14	0.73	0.00
Col4	10	-0.40	21.18	-0.52	3.32	2.17	2.65	0.02	0.16	0.80	0.00
Col4	11	-0.18	21.18	-0.52	3.32	2.17	2.65	0.01	0.16	0.81	0.00
Col4	12	-0.40	21.18	-0.52	3.32	2.17	2.65	0.02	0.16	0.80	0.00
Col4	13	-0.18	21.18	-0.52	3.32	2.17	2.65	0.01	0.16	0.81	0.00
Col4	14	-0.23	21.18	-0.52	3.32	2.17	2.65	0.01	0.16	0.81	0.00
Col4	15	-0.02	21.18	-0.52	3.32	2.17	2.65	0.00	0.16	0.82	0.00
Col4	16	0.40	7.23	-0.39	3.32	1.62	2.65	0.06	0.12	0.67	0.00
Col4	17	0.56	7.23	-0.39	3.32	1.62	2.65	0.08	0.12	0.69	0.00
Col4	18	0.27	7.23	-0.39	3.32	1.62	2.65	0.04	0.12	0.65	0.00
Col4	19	0.43	7.23	-0.39	3.32	1.62	2.65	0.06	0.12	0.67	0.00
Col4	20	0.31	7.23	-0.39	3.32	1.62	2.65	0.04	0.12	0.66	0.00
Col4	21	0.47	7.23	-0.39	3.32	1.62	2.65	0.07	0.12	0.68	0.00
Col4	22	0.19	7.23	-0.39	3.32	1.62	2.65	0.03	0.12	0.64	0.00
Col4	23	0.35	7.23	-0.39	3.32	1.62	2.65	0.05	0.12	0.66	0.00
Col4	24	0.31	7.23	-0.39	3.32	1.62	2.65	0.04	0.12	0.66	0.00
Col4	25	0.47	7.23	-0.39	3.32	1.62	2.65	0.07	0.12	0.68	0.00
Col4	26	0.19	7.23	-0.39	3.32	1.62	2.65	0.03	0.12	0.64	0.00
Col4	27	0.35	7.23	-0.39	3.32	1.62	2.65	0.05	0.12	0.66	0.00
Col4	28	-0.42	21.18	0.47	3.32	-1.96	2.65	0.02	0.14	0.72	0.00
Col4	29	-0.21	21.18	0.47	3.32	-1.96	2.65	0.01	0.14	0.73	0.00
Col4	30	-0.42	21.18	-0.52	3.32	2.17	2.65	0.02	0.16	0.80	0.00
Col4	31	-0.21	21.18	-0.52	3.32	2.17	2.65	0.01	0.16	0.81	0.00
Col4	32	-0.42	21.18	-0.52	3.32	2.17	2.65	0.02	0.16	0.80	0.00
Col4	33	-0.21	21.18	-0.52	3.32	2.17	2.65	0.01	0.16	0.81	0.00
Col4	34	-0.26	21.18	-0.52	3.32	2.17	2.65	0.01	0.16	0.81	0.00
Col4	35	-0.05	21.18	-0.52	3.32	2.17	2.65	0.00	0.16	0.82	0.00
Col4	36	0.14	7.23	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col4	37	0.14	7.23	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col4	38	0.66	7.23	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col4	39	0.66	7.23	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col4	40	0.58	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col4	41	0.58	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col4	42	0.58	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col4	43	0.58	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col4	44	0.09	7.23	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col4	45	0.09	7.23	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col4	46	0.83	7.23	0.00	3.32	0.00	2.65	0.12	0.00	0.12	0.00
Col4	47	0.40	7.23	-0.39	3.32	1.62	2.65	0.06	0.12	0.67	0.00
Col4	48	0.56	7.23	-0.39	3.32	1.62	2.65	0.08	0.12	0.69	0.00

Col4	49	0.13	7.23	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col4	50	0.13	7.23	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col4	51	0.09	7.23	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col4	52	0.09	7.23	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col4	53	0.92	7.23	0.00	3.32	0.00	2.65	0.13	0.00	0.13	0.00
Col4	54	0.72	7.23	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col4	55	0.72	7.23	-0.39	3.32	1.62	2.65	0.10	0.12	0.71	0.00
Col4	56	0.72	7.23	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col5	1	0.83	7.01	0.00	3.32	0.00	2.65	0.12	0.00	0.12	0.00
Col5	2	0.13	7.01	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col5	3	0.72	7.01	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col5	4	0.72	7.01	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col5	5	0.66	7.01	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col5	6	0.57	7.01	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col5	7	0.57	7.01	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col5	8	-0.40	21.18	0.48	3.32	-2.01	2.65	0.02	0.14	0.74	0.00
Col5	9	-0.18	21.18	0.48	3.32	-2.01	2.65	0.01	0.14	0.75	0.00
Col5	10	-0.40	21.18	-0.53	3.32	2.22	2.65	0.02	0.16	0.82	0.00
Col5	11	-0.18	21.18	-0.53	3.32	2.22	2.65	0.01	0.16	0.83	0.00
Col5	12	-0.40	21.18	-0.53	3.32	2.22	2.65	0.02	0.16	0.82	0.00
Col5	13	-0.18	21.18	-0.53	3.32	2.22	2.65	0.01	0.16	0.83	0.00
Col5	14	-0.23	21.18	-0.53	3.32	2.22	2.65	0.01	0.16	0.83	0.00
Col5	15	-0.02	21.18	-0.53	3.32	2.22	2.65	0.00	0.16	0.84	0.00
Col5	16	0.40	7.01	-0.40	3.32	1.66	2.65	0.06	0.12	0.69	0.00
Col5	17	0.56	7.01	-0.40	3.32	1.66	2.65	0.08	0.12	0.71	0.00
Col5	18	0.27	7.01	-0.40	3.32	1.66	2.65	0.04	0.12	0.67	0.00
Col5	19	0.43	7.01	-0.40	3.32	1.66	2.65	0.06	0.12	0.69	0.00
Col5	20	0.32	7.01	-0.40	3.32	1.66	2.65	0.04	0.12	0.67	0.00
Col5	21	0.47	7.01	-0.40	3.32	1.66	2.65	0.07	0.12	0.70	0.00
Col5	22	0.19	7.01	-0.40	3.32	1.66	2.65	0.03	0.12	0.66	0.00
Col5	23	0.35	7.01	-0.40	3.32	1.66	2.65	0.05	0.12	0.68	0.00
Col5	24	0.32	7.01	-0.40	3.32	1.66	2.65	0.04	0.12	0.67	0.00
Col5	25	0.47	7.01	-0.40	3.32	1.66	2.65	0.07	0.12	0.70	0.00
Col5	26	0.19	7.01	-0.40	3.32	1.66	2.65	0.03	0.12	0.66	0.00
Col5	27	0.35	7.01	-0.40	3.32	1.66	2.65	0.05	0.12	0.68	0.00
Col5	28	-0.42	21.18	0.48	3.32	-2.01	2.65	0.02	0.14	0.74	0.00
Col5	29	-0.21	21.18	0.48	3.32	-2.01	2.65	0.01	0.14	0.75	0.00
Col5	30	-0.42	21.18	-0.53	3.32	2.22	2.65	0.02	0.16	0.82	0.00
Col5	31	-0.21	21.18	-0.53	3.32	2.22	2.65	0.01	0.16	0.83	0.00
Col5	32	-0.42	21.18	-0.53	3.32	2.22	2.65	0.02	0.16	0.82	0.00
Col5	33	-0.21	21.18	-0.53	3.32	2.22	2.65	0.01	0.16	0.83	0.00
Col5	34	-0.26	21.18	-0.53	3.32	2.22	2.65	0.01	0.16	0.83	0.00
Col5	35	-0.05	21.18	-0.53	3.32	2.22	2.65	0.00	0.16	0.84	0.00
Col5	36	0.14	7.01	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col5	37	0.14	7.01	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col5	38	0.66	7.01	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col5	39	0.66	7.01	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col5	40	0.58	7.01	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col5	41	0.58	7.01	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col5	42	0.58	7.01	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col5	43	0.58	7.01	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col5	44	0.09	7.01	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col5	45	0.09	7.01	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col5	46	0.83	7.01	0.00	3.32	0.00	2.65	0.12	0.00	0.12	0.00
Col5	47	0.40	7.01	-0.40	3.32	1.66	2.65	0.06	0.12	0.69	0.00
Col5	48	0.56	7.01	-0.40	3.32	1.66	2.65	0.08	0.12	0.71	0.00
Col5	49	0.13	7.01	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col5	50	0.13	7.01	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col5	51	0.09	7.01	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col5	52	0.09	7.01	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col5	53	0.92	7.01	0.00	3.32	0.00	2.65	0.13	0.00	0.13	0.00
Col5	54	0.72	7.01	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col5	55	0.72	7.01	-0.40	3.32	1.66	2.65	0.10	0.12	0.73	0.00
Col5	56	0.72	7.01	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col6	1	0.83	6.79	0.00	3.32	0.00	2.65	0.12	0.00	0.12	0.00

Col6	2	0.13	6.79	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col6	3	0.72	6.79	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col6	4	0.72	6.79	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col6	5	0.66	6.79	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col6	6	0.57	6.79	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col6	7	0.57	6.79	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col6	8	-0.40	21.18	0.49	3.32	-2.06	2.65	0.02	0.15	0.76	0.00
Col6	9	-0.18	21.18	0.49	3.32	-2.06	2.65	0.01	0.15	0.77	0.00
Col6	10	-0.40	21.18	-0.54	3.32	2.28	2.65	0.02	0.16	0.84	0.00
Col6	11	-0.18	21.18	-0.54	3.32	2.28	2.65	0.01	0.16	0.85	0.00
Col6	12	-0.40	21.18	-0.54	3.32	2.28	2.65	0.02	0.16	0.84	0.00
Col6	13	-0.18	21.18	-0.54	3.32	2.28	2.65	0.01	0.16	0.85	0.00
Col6	14	-0.23	21.18	-0.54	3.32	2.28	2.65	0.01	0.16	0.85	0.00
Col6	15	-0.02	21.18	-0.54	3.32	2.28	2.65	0.00	0.16	0.86	0.00
Col6	16	0.40	6.79	-0.40	3.32	1.71	2.65	0.06	0.12	0.70	0.00
Col6	17	0.56	6.79	-0.40	3.32	1.71	2.65	0.08	0.12	0.73	0.00
Col6	18	0.28	6.79	-0.40	3.32	1.71	2.65	0.04	0.12	0.69	0.00
Col6	19	0.43	6.79	-0.40	3.32	1.71	2.65	0.06	0.12	0.71	0.00
Col6	20	0.32	6.79	-0.40	3.32	1.71	2.65	0.05	0.12	0.69	0.00
Col6	21	0.47	6.79	-0.40	3.32	1.71	2.65	0.07	0.12	0.71	0.00
Col6	22	0.19	6.79	-0.40	3.32	1.71	2.65	0.03	0.12	0.67	0.00
Col6	23	0.35	6.79	-0.40	3.32	1.71	2.65	0.05	0.12	0.70	0.00
Col6	24	0.32	6.79	-0.40	3.32	1.71	2.65	0.05	0.12	0.69	0.00
Col6	25	0.47	6.79	-0.40	3.32	1.71	2.65	0.07	0.12	0.71	0.00
Col6	26	0.19	6.79	-0.40	3.32	1.71	2.65	0.03	0.12	0.67	0.00
Col6	27	0.35	6.79	-0.40	3.32	1.71	2.65	0.05	0.12	0.70	0.00
Col6	28	-0.42	21.18	0.49	3.32	-2.06	2.65	0.02	0.15	0.76	0.00
Col6	29	-0.21	21.18	0.49	3.32	-2.06	2.65	0.01	0.15	0.77	0.00
Col6	30	-0.42	21.18	-0.54	3.32	2.28	2.65	0.02	0.16	0.84	0.00
Col6	31	-0.21	21.18	-0.54	3.32	2.28	2.65	0.01	0.16	0.85	0.00
Col6	32	-0.42	21.18	-0.54	3.32	2.28	2.65	0.02	0.16	0.84	0.00
Col6	33	-0.21	21.18	-0.54	3.32	2.28	2.65	0.01	0.16	0.85	0.00
Col6	34	-0.26	21.18	-0.54	3.32	2.28	2.65	0.01	0.16	0.85	0.00
Col6	35	-0.05	21.18	-0.54	3.32	2.28	2.65	0.00	0.16	0.86	0.00
Col6	36	0.14	6.79	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col6	37	0.14	6.79	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col6	38	0.66	6.79	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col6	39	0.66	6.79	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col6	40	0.58	6.79	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col6	41	0.58	6.79	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col6	42	0.58	6.79	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col6	43	0.58	6.79	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col6	44	0.09	6.79	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col6	45	0.09	6.79	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col6	46	0.83	6.79	0.00	3.32	0.00	2.65	0.12	0.00	0.12	0.00
Col6	47	0.40	6.79	-0.40	3.32	1.71	2.65	0.06	0.12	0.70	0.00
Col6	48	0.56	6.79	-0.40	3.32	1.71	2.65	0.08	0.12	0.73	0.00
Col6	49	0.13	6.79	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col6	50	0.13	6.79	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col6	51	0.09	6.79	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col6	52	0.09	6.79	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col6	53	0.92	6.79	0.00	3.32	0.00	2.65	0.13	0.00	0.13	0.00
Col6	54	0.72	6.79	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col6	55	0.72	6.79	-0.40	3.32	1.71	2.65	0.11	0.12	0.75	0.00
Col6	56	0.72	6.79	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col7	1	0.83	8.83	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col7	2	0.13	8.83	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col7	3	0.72	8.83	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col7	4	0.72	8.83	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col7	5	0.66	8.83	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col7	6	0.58	8.83	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col7	7	0.58	8.83	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col7	8	-0.28	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col7	9	-0.28	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col7	10	-0.28	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00

Col7	11	-0.28	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col7	12	-0.28	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col7	13	-0.28	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col7	14	-0.12	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col7	15	-0.12	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col7	16	0.48	8.83	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col7	17	0.48	8.83	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col7	18	0.36	8.83	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col7	19	0.36	8.83	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col7	20	0.40	8.83	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col7	21	0.40	8.83	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col7	22	0.28	8.83	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col7	23	0.28	8.83	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col7	24	0.40	8.83	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col7	25	0.40	8.83	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col7	26	0.28	8.83	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col7	27	0.28	8.83	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col7	28	-0.31	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col7	29	-0.31	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col7	30	-0.31	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col7	31	-0.31	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col7	32	-0.31	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col7	33	-0.31	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col7	34	-0.15	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col7	35	-0.15	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col7	36	0.14	8.83	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col7	37	0.14	8.83	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col7	38	0.66	8.83	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col7	39	0.66	8.83	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col7	40	0.58	8.83	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col7	41	0.58	8.83	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col7	42	0.58	8.83	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col7	43	0.58	8.83	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col7	44	0.09	8.83	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col7	45	0.09	8.83	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col7	46	0.82	8.83	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col7	47	0.47	8.83	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col7	48	0.47	8.83	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col7	49	0.13	8.83	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col7	50	0.13	8.83	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col7	51	0.09	8.83	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col7	52	0.09	8.83	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col7	53	0.90	8.83	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col7	54	0.71	8.83	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col7	55	0.71	8.83	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col7	56	0.71	8.83	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col8	1	0.83	6.79	0.00	3.32	0.00	2.65	0.12	0.00	0.12	0.00
Col8	2	0.13	6.79	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col8	3	0.72	6.79	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col8	4	0.72	6.79	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col8	5	0.66	6.79	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col8	6	0.57	6.79	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col8	7	0.57	6.79	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col8	8	-0.18	21.18	0.49	3.32	-2.06	2.65	0.01	0.15	0.77	0.00
Col8	9	-0.40	21.18	0.49	3.32	-2.06	2.65	0.02	0.15	0.76	0.00
Col8	10	-0.18	21.18	-0.54	3.32	2.28	2.65	0.01	0.16	0.85	0.00
Col8	11	-0.40	21.18	-0.54	3.32	2.28	2.65	0.02	0.16	0.84	0.00
Col8	12	-0.18	21.18	-0.54	3.32	2.28	2.65	0.01	0.16	0.85	0.00
Col8	13	-0.40	21.18	-0.54	3.32	2.28	2.65	0.02	0.16	0.84	0.00
Col8	14	-0.02	21.18	-0.54	3.32	2.28	2.65	0.00	0.16	0.86	0.00
Col8	15	-0.23	21.18	-0.54	3.32	2.28	2.65	0.01	0.16	0.85	0.00
Col8	16	0.56	6.79	-0.40	3.32	1.71	2.65	0.08	0.12	0.73	0.00
Col8	17	0.40	6.79	-0.40	3.32	1.71	2.65	0.06	0.12	0.70	0.00
Col8	18	0.43	6.79	-0.40	3.32	1.71	2.65	0.06	0.12	0.71	0.00
Col8	19	0.28	6.79	-0.40	3.32	1.71	2.65	0.04	0.12	0.69	0.00



Col8	20	0.47	6.79	-0.40	3.32	1.71	2.65	0.07	0.12	0.71	0.00
Col8	21	0.32	6.79	-0.40	3.32	1.71	2.65	0.05	0.12	0.69	0.00
Col8	22	0.35	6.79	-0.40	3.32	1.71	2.65	0.05	0.12	0.70	0.00
Col8	23	0.19	6.79	-0.40	3.32	1.71	2.65	0.03	0.12	0.67	0.00
Col8	24	0.47	6.79	-0.40	3.32	1.71	2.65	0.07	0.12	0.71	0.00
Col8	25	0.32	6.79	-0.40	3.32	1.71	2.65	0.05	0.12	0.69	0.00
Col8	26	0.35	6.79	-0.40	3.32	1.71	2.65	0.05	0.12	0.70	0.00
Col8	27	0.19	6.79	-0.40	3.32	1.71	2.65	0.03	0.12	0.67	0.00
Col8	28	-0.21	21.18	0.49	3.32	-2.06	2.65	0.01	0.15	0.77	0.00
Col8	29	-0.42	21.18	0.49	3.32	-2.06	2.65	0.02	0.15	0.76	0.00
Col8	30	-0.21	21.18	-0.54	3.32	2.28	2.65	0.01	0.16	0.85	0.00
Col8	31	-0.42	21.18	-0.54	3.32	2.28	2.65	0.02	0.16	0.84	0.00
Col8	32	-0.21	21.18	-0.54	3.32	2.28	2.65	0.01	0.16	0.85	0.00
Col8	33	-0.42	21.18	-0.54	3.32	2.28	2.65	0.02	0.16	0.84	0.00
Col8	34	-0.05	21.18	-0.54	3.32	2.28	2.65	0.00	0.16	0.86	0.00
Col8	35	-0.26	21.18	-0.54	3.32	2.28	2.65	0.01	0.16	0.85	0.00
Col8	36	0.14	6.79	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col8	37	0.14	6.79	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col8	38	0.66	6.79	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col8	39	0.66	6.79	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col8	40	0.58	6.79	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col8	41	0.58	6.79	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col8	42	0.58	6.79	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col8	43	0.58	6.79	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col8	44	0.09	6.79	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col8	45	0.09	6.79	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col8	46	0.83	6.79	0.00	3.32	0.00	2.65	0.12	0.00	0.12	0.00
Col8	47	0.56	6.79	-0.40	3.32	1.71	2.65	0.08	0.12	0.73	0.00
Col8	48	0.40	6.79	-0.40	3.32	1.71	2.65	0.06	0.12	0.70	0.00
Col8	49	0.13	6.79	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col8	50	0.13	6.79	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col8	51	0.09	6.79	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col8	52	0.09	6.79	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col8	53	0.92	6.79	0.00	3.32	0.00	2.65	0.13	0.00	0.13	0.00
Col8	54	0.72	6.79	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col8	55	0.72	6.79	-0.40	3.32	1.71	2.65	0.11	0.12	0.75	0.00
Col8	56	0.72	6.79	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col19	1	0.83	7.01	0.00	3.32	0.00	2.65	0.12	0.00	0.12	0.00
Col19	2	0.13	7.01	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col19	3	0.72	7.01	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col19	4	0.72	7.01	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col19	5	0.66	7.01	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col19	6	0.57	7.01	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col19	7	0.57	7.01	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col19	8	-0.18	21.18	0.48	3.32	-2.01	2.65	0.01	0.14	0.75	0.00
Col19	9	-0.40	21.18	0.48	3.32	-2.01	2.65	0.02	0.14	0.74	0.00
Col19	10	-0.18	21.18	-0.53	3.32	2.22	2.65	0.01	0.16	0.83	0.00
Col19	11	-0.40	21.18	-0.53	3.32	2.22	2.65	0.02	0.16	0.82	0.00
Col19	12	-0.18	21.18	-0.53	3.32	2.22	2.65	0.01	0.16	0.83	0.00
Col19	13	-0.40	21.18	-0.53	3.32	2.22	2.65	0.02	0.16	0.82	0.00
Col19	14	-0.02	21.18	-0.53	3.32	2.22	2.65	0.00	0.16	0.84	0.00
Col19	15	-0.23	21.18	-0.53	3.32	2.22	2.65	0.01	0.16	0.83	0.00
Col19	16	0.56	7.01	-0.40	3.32	1.66	2.65	0.08	0.12	0.71	0.00
Col19	17	0.40	7.01	-0.40	3.32	1.66	2.65	0.06	0.12	0.69	0.00
Col19	18	0.43	7.01	-0.40	3.32	1.66	2.65	0.06	0.12	0.69	0.00
Col19	19	0.27	7.01	-0.40	3.32	1.66	2.65	0.04	0.12	0.67	0.00
Col19	20	0.47	7.01	-0.40	3.32	1.66	2.65	0.07	0.12	0.70	0.00
Col19	21	0.32	7.01	-0.40	3.32	1.66	2.65	0.04	0.12	0.67	0.00
Col19	22	0.35	7.01	-0.40	3.32	1.66	2.65	0.05	0.12	0.68	0.00
Col19	23	0.19	7.01	-0.40	3.32	1.66	2.65	0.03	0.12	0.66	0.00
Col19	24	0.47	7.01	-0.40	3.32	1.66	2.65	0.07	0.12	0.70	0.00
Col19	25	0.32	7.01	-0.40	3.32	1.66	2.65	0.04	0.12	0.67	0.00
Col19	26	0.35	7.01	-0.40	3.32	1.66	2.65	0.05	0.12	0.68	0.00
Col19	27	0.19	7.01	-0.40	3.32	1.66	2.65	0.03	0.12	0.66	0.00
Col19	28	-0.21	21.18	0.48	3.32	-2.01	2.65	0.01	0.14	0.75	0.00

Col9	29	-0.42	21.18	0.48	3.32	-2.01	2.65	0.02	0.14	0.74	0.00
Col9	30	-0.21	21.18	-0.53	3.32	2.22	2.65	0.01	0.16	0.83	0.00
Col9	31	-0.42	21.18	-0.53	3.32	2.22	2.65	0.02	0.16	0.82	0.00
Col9	32	-0.21	21.18	-0.53	3.32	2.22	2.65	0.01	0.16	0.83	0.00
Col9	33	-0.42	21.18	-0.53	3.32	2.22	2.65	0.02	0.16	0.82	0.00
Col9	34	-0.05	21.18	-0.53	3.32	2.22	2.65	0.00	0.16	0.84	0.00
Col9	35	-0.26	21.18	-0.53	3.32	2.22	2.65	0.01	0.16	0.83	0.00
Col9	36	0.14	7.01	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col9	37	0.14	7.01	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col9	38	0.66	7.01	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col9	39	0.66	7.01	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col9	40	0.58	7.01	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col9	41	0.58	7.01	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col9	42	0.58	7.01	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col9	43	0.58	7.01	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col9	44	0.09	7.01	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col9	45	0.09	7.01	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col9	46	0.83	7.01	0.00	3.32	0.00	2.65	0.12	0.00	0.12	0.00
Col9	47	0.56	7.01	-0.40	3.32	1.66	2.65	0.08	0.12	0.71	0.00
Col9	48	0.40	7.01	-0.40	3.32	1.66	2.65	0.06	0.12	0.69	0.00
Col9	49	0.13	7.01	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col9	50	0.13	7.01	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col9	51	0.09	7.01	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col9	52	0.09	7.01	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col9	53	0.92	7.01	0.00	3.32	0.00	2.65	0.13	0.00	0.13	0.00
Col9	54	0.72	7.01	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col9	55	0.72	7.01	-0.40	3.32	1.66	2.65	0.10	0.12	0.73	0.00
Col9	56	0.72	7.01	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col10	1	0.83	7.23	0.00	3.32	0.00	2.65	0.12	0.00	0.12	0.00
Col10	2	0.13	7.23	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col10	3	0.72	7.23	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col10	4	0.72	7.23	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col10	5	0.66	7.23	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col10	6	0.57	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col10	7	0.57	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col10	8	-0.18	21.18	0.47	3.32	-1.96	2.65	0.01	0.14	0.73	0.00
Col10	9	-0.40	21.18	0.47	3.32	-1.96	2.65	0.02	0.14	0.72	0.00
Col10	10	-0.18	21.18	-0.52	3.32	2.17	2.65	0.01	0.16	0.81	0.00
Col10	11	-0.40	21.18	-0.52	3.32	2.17	2.65	0.02	0.16	0.80	0.00
Col10	12	-0.18	21.18	-0.52	3.32	2.17	2.65	0.01	0.16	0.81	0.00
Col10	13	-0.40	21.18	-0.52	3.32	2.17	2.65	0.02	0.16	0.80	0.00
Col10	14	-0.02	21.18	-0.52	3.32	2.17	2.65	0.00	0.16	0.82	0.00
Col10	15	-0.23	21.18	-0.52	3.32	2.17	2.65	0.01	0.16	0.81	0.00
Col10	16	0.56	7.23	-0.39	3.32	1.62	2.65	0.08	0.12	0.69	0.00
Col10	17	0.40	7.23	-0.39	3.32	1.62	2.65	0.06	0.12	0.67	0.00
Col10	18	0.43	7.23	-0.39	3.32	1.62	2.65	0.06	0.12	0.67	0.00
Col10	19	0.27	7.23	-0.39	3.32	1.62	2.65	0.04	0.12	0.65	0.00
Col10	20	0.47	7.23	-0.39	3.32	1.62	2.65	0.07	0.12	0.68	0.00
Col10	21	0.31	7.23	-0.39	3.32	1.62	2.65	0.04	0.12	0.66	0.00
Col10	22	0.35	7.23	-0.39	3.32	1.62	2.65	0.05	0.12	0.66	0.00
Col10	23	0.19	7.23	-0.39	3.32	1.62	2.65	0.03	0.12	0.64	0.00
Col10	24	0.47	7.23	-0.39	3.32	1.62	2.65	0.07	0.12	0.68	0.00
Col10	25	0.31	7.23	-0.39	3.32	1.62	2.65	0.04	0.12	0.66	0.00
Col10	26	0.35	7.23	-0.39	3.32	1.62	2.65	0.05	0.12	0.66	0.00
Col10	27	0.19	7.23	-0.39	3.32	1.62	2.65	0.03	0.12	0.64	0.00
Col10	28	-0.21	21.18	0.47	3.32	-1.96	2.65	0.01	0.14	0.73	0.00
Col10	29	-0.42	21.18	0.47	3.32	-1.96	2.65	0.02	0.14	0.72	0.00
Col10	30	-0.21	21.18	-0.52	3.32	2.17	2.65	0.01	0.16	0.81	0.00
Col10	31	-0.42	21.18	-0.52	3.32	2.17	2.65	0.02	0.16	0.80	0.00
Col10	32	-0.21	21.18	-0.52	3.32	2.17	2.65	0.01	0.16	0.81	0.00
Col10	33	-0.42	21.18	-0.52	3.32	2.17	2.65	0.02	0.16	0.80	0.00
Col10	34	-0.05	21.18	-0.52	3.32	2.17	2.65	0.00	0.16	0.82	0.00
Col10	35	-0.26	21.18	-0.52	3.32	2.17	2.65	0.01	0.16	0.81	0.00
Col10	36	0.14	7.23	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col10	37	0.14	7.23	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00

Col10	38	0.66	7.23	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col10	39	0.66	7.23	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col10	40	0.58	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col10	41	0.58	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col10	42	0.58	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col10	43	0.58	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col10	44	0.09	7.23	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col10	45	0.09	7.23	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col10	46	0.83	7.23	0.00	3.32	0.00	2.65	0.12	0.00	0.12	0.00
Col10	47	0.56	7.23	-0.39	3.32	1.62	2.65	0.08	0.12	0.69	0.00
Col10	48	0.40	7.23	-0.39	3.32	1.62	2.65	0.06	0.12	0.67	0.00
Col10	49	0.13	7.23	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col10	50	0.13	7.23	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col10	51	0.09	7.23	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col10	52	0.09	7.23	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col10	53	0.92	7.23	0.00	3.32	0.00	2.65	0.13	0.00	0.13	0.00
Col10	54	0.72	7.23	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col10	55	0.72	7.23	-0.39	3.32	1.62	2.65	0.10	0.12	0.71	0.00
Col10	56	0.72	7.23	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col11	1	0.83	7.45	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col11	2	0.13	7.45	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col11	3	0.72	7.45	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col11	4	0.72	7.45	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col11	5	0.66	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col11	6	0.57	7.45	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col11	7	0.57	7.45	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col11	8	-0.18	21.18	0.47	3.32	-1.91	2.65	0.01	0.14	0.71	0.00
Col11	9	-0.40	21.18	0.47	3.32	-1.91	2.65	0.02	0.14	0.70	0.00
Col11	10	-0.18	21.18	-0.52	3.32	2.11	2.65	0.01	0.16	0.79	0.00
Col11	11	-0.40	21.18	-0.52	3.32	2.11	2.65	0.02	0.16	0.78	0.00
Col11	12	-0.18	21.18	-0.52	3.32	2.11	2.65	0.01	0.16	0.79	0.00
Col11	13	-0.40	21.18	-0.52	3.32	2.11	2.65	0.02	0.16	0.78	0.00
Col11	14	-0.02	21.18	-0.52	3.32	2.11	2.65	0.00	0.16	0.80	0.00
Col11	15	-0.23	21.18	-0.52	3.32	2.11	2.65	0.01	0.16	0.79	0.00
Col11	16	0.56	7.45	-0.39	3.32	1.58	2.65	0.07	0.12	0.67	0.00
Col11	17	0.40	7.45	-0.39	3.32	1.58	2.65	0.05	0.12	0.65	0.00
Col11	18	0.43	7.45	-0.39	3.32	1.58	2.65	0.06	0.12	0.66	0.00
Col11	19	0.27	7.45	-0.39	3.32	1.58	2.65	0.04	0.12	0.63	0.00
Col11	20	0.47	7.45	-0.39	3.32	1.58	2.65	0.06	0.12	0.66	0.00
Col11	21	0.31	7.45	-0.39	3.32	1.58	2.65	0.04	0.12	0.64	0.00
Col11	22	0.35	7.45	-0.39	3.32	1.58	2.65	0.05	0.12	0.65	0.00
Col11	23	0.19	7.45	-0.39	3.32	1.58	2.65	0.03	0.12	0.62	0.00
Col11	24	0.47	7.45	-0.39	3.32	1.58	2.65	0.06	0.12	0.66	0.00
Col11	25	0.31	7.45	-0.39	3.32	1.58	2.65	0.04	0.12	0.64	0.00
Col11	26	0.35	7.45	-0.39	3.32	1.58	2.65	0.05	0.12	0.65	0.00
Col11	27	0.19	7.45	-0.39	3.32	1.58	2.65	0.03	0.12	0.62	0.00
Col11	28	-0.21	21.18	0.47	3.32	-1.91	2.65	0.01	0.14	0.71	0.00
Col11	29	-0.42	21.18	0.47	3.32	-1.91	2.65	0.02	0.14	0.70	0.00
Col11	30	-0.21	21.18	-0.52	3.32	2.11	2.65	0.01	0.16	0.79	0.00
Col11	31	-0.42	21.18	-0.52	3.32	2.11	2.65	0.02	0.16	0.78	0.00
Col11	32	-0.21	21.18	-0.52	3.32	2.11	2.65	0.01	0.16	0.79	0.00
Col11	33	-0.42	21.18	-0.52	3.32	2.11	2.65	0.02	0.16	0.78	0.00
Col11	34	-0.05	21.18	-0.52	3.32	2.11	2.65	0.00	0.16	0.80	0.00
Col11	35	-0.26	21.18	-0.52	3.32	2.11	2.65	0.01	0.16	0.79	0.00
Col11	36	0.14	7.45	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col11	37	0.14	7.45	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col11	38	0.66	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col11	39	0.66	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col11	40	0.58	7.45	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col11	41	0.58	7.45	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col11	42	0.58	7.45	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col11	43	0.58	7.45	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col11	44	0.08	7.45	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col11	45	0.08	7.45	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col11	46	0.83	7.45	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00

Col11	47	0.56	7.45	-0.39	3.32	1.58	2.65	0.07	0.12	0.67	0.00
Col11	48	0.40	7.45	-0.39	3.32	1.58	2.65	0.05	0.12	0.65	0.00
Col11	49	0.13	7.45	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col11	50	0.13	7.45	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col11	51	0.09	7.45	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col11	52	0.09	7.45	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col11	53	0.86	7.45	0.00	3.32	0.00	2.65	0.12	0.00	0.12	0.00
Col11	54	0.68	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col11	55	0.68	7.45	-0.39	3.32	1.58	2.65	0.09	0.12	0.69	0.00
Col11	56	0.68	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col12	1	0.83	7.66	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col12	2	0.13	7.66	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col12	3	0.72	7.66	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col12	4	0.72	7.66	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col12	5	0.66	7.66	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col12	6	0.57	7.66	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col12	7	0.57	7.66	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col12	8	-0.18	21.18	0.46	3.32	-1.86	2.65	0.01	0.14	0.69	0.00
Col12	9	-0.40	21.18	0.46	3.32	-1.86	2.65	0.02	0.14	0.68	0.00
Col12	10	-0.18	21.18	-0.53	3.32	2.15	2.65	0.01	0.16	0.80	0.00
Col12	11	-0.40	21.18	-0.53	3.32	2.15	2.65	0.02	0.16	0.79	0.00
Col12	12	-0.18	21.18	-0.53	3.32	2.15	2.65	0.01	0.16	0.80	0.00
Col12	13	-0.40	21.18	-0.53	3.32	2.15	2.65	0.02	0.16	0.79	0.00
Col12	14	-0.02	21.18	-0.53	3.32	2.15	2.65	0.00	0.16	0.81	0.00
Col12	15	-0.23	21.18	-0.53	3.32	2.15	2.65	0.01	0.16	0.80	0.00
Col12	16	0.56	7.66	-0.40	3.32	1.61	2.65	0.07	0.12	0.68	0.00
Col12	17	0.40	7.66	-0.40	3.32	1.61	2.65	0.05	0.12	0.66	0.00
Col12	18	0.43	7.66	-0.40	3.32	1.61	2.65	0.06	0.12	0.66	0.00
Col12	19	0.27	7.66	-0.40	3.32	1.61	2.65	0.04	0.12	0.64	0.00
Col12	20	0.47	7.66	-0.40	3.32	1.61	2.65	0.06	0.12	0.67	0.00
Col12	21	0.31	7.66	-0.40	3.32	1.61	2.65	0.04	0.12	0.65	0.00
Col12	22	0.35	7.66	-0.40	3.32	1.61	2.65	0.05	0.12	0.65	0.00
Col12	23	0.19	7.66	-0.40	3.32	1.61	2.65	0.02	0.12	0.63	0.00
Col12	24	0.47	7.66	-0.40	3.32	1.61	2.65	0.06	0.12	0.67	0.00
Col12	25	0.31	7.66	-0.40	3.32	1.61	2.65	0.04	0.12	0.65	0.00
Col12	26	0.35	7.66	-0.40	3.32	1.61	2.65	0.05	0.12	0.65	0.00
Col12	27	0.19	7.66	-0.40	3.32	1.61	2.65	0.02	0.12	0.63	0.00
Col12	28	-0.21	21.18	0.46	3.32	-1.86	2.65	0.01	0.14	0.69	0.00
Col12	29	-0.42	21.18	0.46	3.32	-1.86	2.65	0.02	0.14	0.68	0.00
Col12	30	-0.21	21.18	-0.53	3.32	2.15	2.65	0.01	0.16	0.80	0.00
Col12	31	-0.42	21.18	-0.53	3.32	2.15	2.65	0.02	0.16	0.79	0.00
Col12	32	-0.21	21.18	-0.53	3.32	2.15	2.65	0.01	0.16	0.80	0.00
Col12	33	-0.42	21.18	-0.53	3.32	2.15	2.65	0.02	0.16	0.79	0.00
Col12	34	-0.05	21.18	-0.53	3.32	2.15	2.65	0.00	0.16	0.81	0.00
Col12	35	-0.26	21.18	-0.53	3.32	2.15	2.65	0.01	0.16	0.80	0.00
Col12	36	0.13	7.66	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col12	37	0.13	7.66	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col12	38	0.66	7.66	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col12	39	0.66	7.66	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col12	40	0.57	7.66	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col12	41	0.57	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col12	42	0.57	7.66	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col12	43	0.57	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col12	44	0.08	7.66	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col12	45	0.08	7.66	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col12	46	0.83	7.66	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col12	47	0.56	7.66	-0.40	3.32	1.61	2.65	0.07	0.12	0.68	0.00
Col12	48	0.40	7.66	-0.40	3.32	1.61	2.65	0.05	0.12	0.66	0.00
Col12	49	0.13	7.66	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col12	50	0.13	7.66	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col12	51	0.09	7.66	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col12	52	0.09	7.66	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col12	53	0.73	7.66	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col12	54	0.58	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col12	55	0.58	7.66	-0.40	3.32	1.61	2.65	0.08	0.12	0.68	0.00

Col12 56 0.58 7.66 0.00 3.32 0.00 2.65 0.08 0.00 0.08 0.00

COLUMN REACTIONS:

Id	Load		In_Plane	Out_Plane
	Id	Vert(k )	Horz(k )	Horz(k )
Col2	1	0.83	0.00	0.00
Col2	2	0.13	0.00	0.00
Col2	3	0.72	0.00	0.00
Col2	4	0.72	0.00	0.00
Col2	5	0.66	0.00	0.00
Col2	6	0.57	0.00	0.00
Col2	7	0.57	0.00	0.00
Col2	8	-0.40	0.00	-0.46
Col2	9	-0.18	0.00	-0.46
Col2	10	-0.40	0.00	0.53
Col2	11	-0.18	0.00	0.53
Col2	12	-0.40	0.00	0.53
Col2	13	-0.18	0.00	0.53
Col2	14	-0.23	0.00	0.53
Col2	15	-0.02	0.00	0.53
Col2	16	0.40	0.00	0.40
Col2	17	0.56	0.00	0.40
Col2	18	0.27	0.00	0.40
Col2	19	0.43	0.00	0.40
Col2	20	0.31	0.00	0.40
Col2	21	0.47	0.00	0.40
Col2	22	0.19	0.00	0.40
Col2	23	0.35	0.00	0.40
Col2	24	0.31	0.00	0.40
Col2	25	0.47	0.00	0.40
Col2	26	0.19	0.00	0.40
Col2	27	0.35	0.00	0.40
Col2	28	-0.42	0.00	-0.46
Col2	29	-0.21	0.00	-0.46
Col2	30	-0.42	0.00	0.53
Col2	31	-0.21	0.00	0.53
Col2	32	-0.42	0.00	0.53
Col2	33	-0.21	0.00	0.53
Col2	34	-0.26	0.00	0.53
Col2	35	-0.05	0.00	0.53
Col2	36	0.13	0.00	0.00
Col2	37	0.13	0.00	0.00
Col2	38	0.66	0.00	0.00
Col2	39	0.66	0.00	0.00
Col2	40	0.57	0.00	0.00
Col2	41	0.57	0.00	0.00
Col2	42	0.57	0.00	0.00
Col2	43	0.57	0.00	0.00
Col2	44	0.08	0.00	0.00
Col2	45	0.08	0.00	0.00
Col2	46	0.83	0.00	0.00
Col2	47	0.40	0.00	0.40
Col2	48	0.56	0.00	0.40
Col2	49	0.13	0.00	0.00
Col2	50	0.13	0.00	0.00
Col2	51	0.09	0.00	0.00
Col2	52	0.09	0.00	0.00
Col2	53	0.73	0.00	0.00
Col2	54	0.58	0.00	0.00
Col2	55	0.58	0.00	0.40
Col2	56	0.58	0.00	0.00
Col3	1	0.83	0.00	0.00
Col3	2	0.13	0.00	0.00

Col3	3	0.72	0.00	0.00
Col3	4	0.72	0.00	0.00
Col3	5	0.66	0.00	0.00
Col3	6	0.57	0.00	0.00
Col3	7	0.57	0.00	0.00
Col3	8	-0.40	0.00	-0.47
Col3	9	-0.18	0.00	-0.47
Col3	10	-0.40	0.00	0.52
Col3	11	-0.18	0.00	0.52
Col3	12	-0.40	0.00	0.52
Col3	13	-0.18	0.00	0.52
Col3	14	-0.23	0.00	0.52
Col3	15	-0.02	0.00	0.52
Col3	16	0.40	0.00	0.39
Col3	17	0.56	0.00	0.39
Col3	18	0.27	0.00	0.39
Col3	19	0.43	0.00	0.39
Col3	20	0.31	0.00	0.39
Col3	21	0.47	0.00	0.39
Col3	22	0.19	0.00	0.39
Col3	23	0.35	0.00	0.39
Col3	24	0.31	0.00	0.39
Col3	25	0.47	0.00	0.39
Col3	26	0.19	0.00	0.39
Col3	27	0.35	0.00	0.39
Col3	28	-0.42	0.00	-0.47
Col3	29	-0.21	0.00	-0.47
Col3	30	-0.42	0.00	0.52
Col3	31	-0.21	0.00	0.52
Col3	32	-0.42	0.00	0.52
Col3	33	-0.21	0.00	0.52
Col3	34	-0.26	0.00	0.52
Col3	35	-0.05	0.00	0.52
Col3	36	0.14	0.00	0.00
Col3	37	0.14	0.00	0.00
Col3	38	0.66	0.00	0.00
Col3	39	0.66	0.00	0.00
Col3	40	0.58	0.00	0.00
Col3	41	0.58	0.00	0.00
Col3	42	0.58	0.00	0.00
Col3	43	0.58	0.00	0.00
Col3	44	0.08	0.00	0.00
Col3	45	0.08	0.00	0.00
Col3	46	0.83	0.00	0.00
Col3	47	0.40	0.00	0.39
Col3	48	0.56	0.00	0.39
Col3	49	0.13	0.00	0.00
Col3	50	0.13	0.00	0.00
Col3	51	0.09	0.00	0.00
Col3	52	0.09	0.00	0.00
Col3	53	0.86	0.00	0.00
Col3	54	0.68	0.00	0.00
Col3	55	0.68	0.00	0.39
Col3	56	0.68	0.00	0.00
Col4	1	0.83	0.00	0.00
Col4	2	0.13	0.00	0.00
Col4	3	0.72	0.00	0.00
Col4	4	0.72	0.00	0.00
Col4	5	0.66	0.00	0.00
Col4	6	0.57	0.00	0.00
Col4	7	0.57	0.00	0.00
Col4	8	-0.40	0.00	-0.47
Col4	9	-0.18	0.00	-0.47
Col4	10	-0.40	0.00	0.52
Col4	11	-0.18	0.00	0.52

Col4	12	-0.40	0.00	0.52
Col4	13	-0.18	0.00	0.52
Col4	14	-0.23	0.00	0.52
Col4	15	-0.02	0.00	0.52
Col4	16	0.40	0.00	0.39
Col4	17	0.56	0.00	0.39
Col4	18	0.27	0.00	0.39
Col4	19	0.43	0.00	0.39
Col4	20	0.31	0.00	0.39
Col4	21	0.47	0.00	0.39
Col4	22	0.19	0.00	0.39
Col4	23	0.35	0.00	0.39
Col4	24	0.31	0.00	0.39
Col4	25	0.47	0.00	0.39
Col4	26	0.19	0.00	0.39
Col4	27	0.35	0.00	0.39
Col4	28	-0.42	0.00	-0.47
Col4	29	-0.21	0.00	-0.47
Col4	30	-0.42	0.00	0.52
Col4	31	-0.21	0.00	0.52
Col4	32	-0.42	0.00	0.52
Col4	33	-0.21	0.00	0.52
Col4	34	-0.26	0.00	0.52
Col4	35	-0.05	0.00	0.52
Col4	36	0.14	0.00	0.00
Col4	37	0.14	0.00	0.00
Col4	38	0.66	0.00	0.00
Col4	39	0.66	0.00	0.00
Col4	40	0.58	0.00	0.00
Col4	41	0.58	0.00	0.00
Col4	42	0.58	0.00	0.00
Col4	43	0.58	0.00	0.00
Col4	44	0.09	0.00	0.00
Col4	45	0.09	0.00	0.00
Col4	46	0.83	0.00	0.00
Col4	47	0.40	0.00	0.39
Col4	48	0.56	0.00	0.39
Col4	49	0.13	0.00	0.00
Col4	50	0.13	0.00	0.00
Col4	51	0.09	0.00	0.00
Col4	52	0.09	0.00	0.00
Col4	53	0.92	0.00	0.00
Col4	54	0.72	0.00	0.00
Col4	55	0.72	0.00	0.39
Col4	56	0.72	0.00	0.00
Col5	1	0.83	0.00	0.00
Col5	2	0.13	0.00	0.00
Col5	3	0.72	0.00	0.00
Col5	4	0.72	0.00	0.00
Col5	5	0.66	0.00	0.00
Col5	6	0.57	0.00	0.00
Col5	7	0.57	0.00	0.00
Col5	8	-0.40	0.00	-0.48
Col5	9	-0.18	0.00	-0.48
Col5	10	-0.40	0.00	0.53
Col5	11	-0.18	0.00	0.53
Col5	12	-0.40	0.00	0.53
Col5	13	-0.18	0.00	0.53
Col5	14	-0.23	0.00	0.53
Col5	15	-0.02	0.00	0.53
Col5	16	0.40	0.00	0.40
Col5	17	0.56	0.00	0.40
Col5	18	0.27	0.00	0.40
Col5	19	0.43	0.00	0.40
Col5	20	0.32	0.00	0.40

Col5	21	0.47	0.00	0.40
Col5	22	0.19	0.00	0.40
Col5	23	0.35	0.00	0.40
Col5	24	0.32	0.00	0.40
Col5	25	0.47	0.00	0.40
Col5	26	0.19	0.00	0.40
Col5	27	0.35	0.00	0.40
Col5	28	-0.42	0.00	-0.48
Col5	29	-0.21	0.00	-0.48
Col5	30	-0.42	0.00	0.53
Col5	31	-0.21	0.00	0.53
Col5	32	-0.42	0.00	0.53
Col5	33	-0.21	0.00	0.53
Col5	34	-0.26	0.00	0.53
Col5	35	-0.05	0.00	0.53
Col5	36	0.14	0.00	0.00
Col5	37	0.14	0.00	0.00
Col5	38	0.66	0.00	0.00
Col5	39	0.66	0.00	0.00
Col5	40	0.58	0.00	0.00
Col5	41	0.58	0.00	0.00
Col5	42	0.58	0.00	0.00
Col5	43	0.58	0.00	0.00
Col5	44	0.09	0.00	0.00
Col5	45	0.09	0.00	0.00
Col5	46	0.83	0.00	0.00
Col5	47	0.40	0.00	0.40
Col5	48	0.56	0.00	0.40
Col5	49	0.13	0.00	0.00
Col5	50	0.13	0.00	0.00
Col5	51	0.09	0.00	0.00
Col5	52	0.09	0.00	0.00
Col5	53	0.92	0.00	0.00
Col5	54	0.72	0.00	0.00
Col5	55	0.72	0.00	0.40
Col5	56	0.72	0.00	0.00
Col6	1	0.83	0.00	0.00
Col6	2	0.13	0.00	0.00
Col6	3	0.72	0.00	0.00
Col6	4	0.72	0.00	0.00
Col6	5	0.66	0.00	0.00
Col6	6	0.57	0.00	0.00
Col6	7	0.57	0.00	0.00
Col6	8	-0.40	0.00	-0.49
Col6	9	-0.18	0.00	-0.49
Col6	10	-0.40	0.00	0.54
Col6	11	-0.18	0.00	0.54
Col6	12	-0.40	0.00	0.54
Col6	13	-0.18	0.00	0.54
Col6	14	-0.23	0.00	0.54
Col6	15	-0.02	0.00	0.54
Col6	16	0.40	0.00	0.40
Col6	17	0.56	0.00	0.40
Col6	18	0.28	0.00	0.40
Col6	19	0.43	0.00	0.40
Col6	20	0.32	0.00	0.40
Col6	21	0.47	0.00	0.40
Col6	22	0.19	0.00	0.40
Col6	23	0.35	0.00	0.40
Col6	24	0.32	0.00	0.40
Col6	25	0.47	0.00	0.40
Col6	26	0.19	0.00	0.40
Col6	27	0.35	0.00	0.40
Col6	28	-0.42	0.00	-0.49
Col6	29	-0.21	0.00	-0.49



Col6	30	-0.42	0.00	0.54
Col6	31	-0.21	0.00	0.54
Col6	32	-0.42	0.00	0.54
Col6	33	-0.21	0.00	0.54
Col6	34	-0.26	0.00	0.54
Col6	35	-0.05	0.00	0.54
Col6	36	0.14	0.00	0.00
Col6	37	0.14	0.00	0.00
Col6	38	0.66	0.00	0.00
Col6	39	0.66	0.00	0.00
Col6	40	0.58	0.00	0.00
Col6	41	0.58	0.00	0.00
Col6	42	0.58	0.00	0.00
Col6	43	0.58	0.00	0.00
Col6	44	0.09	0.00	0.00
Col6	45	0.09	0.00	0.00
Col6	46	0.83	0.00	0.00
Col6	47	0.40	0.00	0.40
Col6	48	0.56	0.00	0.40
Col6	49	0.13	0.00	0.00
Col6	50	0.13	0.00	0.00
Col6	51	0.09	0.00	0.00
Col6	52	0.09	0.00	0.00
Col6	53	0.92	0.00	0.00
Col6	54	0.72	0.00	0.00
Col6	55	0.72	0.00	0.40
Col6	56	0.72	0.00	0.00
Col7	1	0.83	0.00	0.00
Col7	2	0.13	0.00	0.00
Col7	3	0.72	0.00	0.00
Col7	4	0.72	0.00	0.00
Col7	5	0.66	0.00	0.00
Col7	6	0.58	0.00	0.00
Col7	7	0.58	0.00	0.00
Col7	8	-0.28	0.00	0.00
Col7	9	-0.28	0.00	0.00
Col7	10	-0.28	0.00	0.00
Col7	11	-0.28	0.00	0.00
Col7	12	-0.28	0.00	0.00
Col7	13	-0.28	0.00	0.00
Col7	14	-0.12	0.00	0.00
Col7	15	-0.12	0.00	0.00
Col7	16	0.48	0.00	0.00
Col7	17	0.48	0.00	0.00
Col7	18	0.36	0.00	0.00
Col7	19	0.36	0.00	0.00
Col7	20	0.40	0.00	0.00
Col7	21	0.40	0.00	0.00
Col7	22	0.28	0.00	0.00
Col7	23	0.28	0.00	0.00
Col7	24	0.40	0.00	0.00
Col7	25	0.40	0.00	0.00
Col7	26	0.28	0.00	0.00
Col7	27	0.28	0.00	0.00
Col7	28	-0.31	0.00	0.00
Col7	29	-0.31	0.00	0.00
Col7	30	-0.31	0.00	0.00
Col7	31	-0.31	0.00	0.00
Col7	32	-0.31	0.00	0.00
Col7	33	-0.31	0.00	0.00
Col7	34	-0.15	0.00	0.00
Col7	35	-0.15	0.00	0.00
Col7	36	0.14	0.00	0.00
Col7	37	0.14	0.00	0.00
Col7	38	0.66	0.00	0.00

Col7	39	0.66	0.00	0.00
Col7	40	0.58	0.00	0.00
Col7	41	0.58	0.00	0.00
Col7	42	0.58	0.00	0.00
Col7	43	0.58	0.00	0.00
Col7	44	0.09	0.00	0.00
Col7	45	0.09	0.00	0.00
Col7	46	0.82	0.00	0.00
Col7	47	0.47	0.00	0.00
Col7	48	0.47	0.00	0.00
Col7	49	0.13	0.00	0.00
Col7	50	0.13	0.00	0.00
Col7	51	0.09	0.00	0.00
Col7	52	0.09	0.00	0.00
Col7	53	0.90	0.00	0.00
Col7	54	0.71	0.00	0.00
Col7	55	0.71	0.00	0.00
Col7	56	0.71	0.00	0.00
Col8	1	0.83	0.00	0.00
Col8	2	0.13	0.00	0.00
Col8	3	0.72	0.00	0.00
Col8	4	0.72	0.00	0.00
Col8	5	0.66	0.00	0.00
Col8	6	0.57	0.00	0.00
Col8	7	0.57	0.00	0.00
Col8	8	-0.18	0.00	-0.49
Col8	9	-0.40	0.00	-0.49
Col8	10	-0.18	0.00	0.54
Col8	11	-0.40	0.00	0.54
Col8	12	-0.18	0.00	0.54
Col8	13	-0.40	0.00	0.54
Col8	14	-0.02	0.00	0.54
Col8	15	-0.23	0.00	0.54
Col8	16	0.56	0.00	0.40
Col8	17	0.40	0.00	0.40
Col8	18	0.43	0.00	0.40
Col8	19	0.28	0.00	0.40
Col8	20	0.47	0.00	0.40
Col8	21	0.32	0.00	0.40
Col8	22	0.35	0.00	0.40
Col8	23	0.19	0.00	0.40
Col8	24	0.47	0.00	0.40
Col8	25	0.32	0.00	0.40
Col8	26	0.35	0.00	0.40
Col8	27	0.19	0.00	0.40
Col8	28	-0.21	0.00	-0.49
Col8	29	-0.42	0.00	-0.49
Col8	30	-0.21	0.00	0.54
Col8	31	-0.42	0.00	0.54
Col8	32	-0.21	0.00	0.54
Col8	33	-0.42	0.00	0.54
Col8	34	-0.05	0.00	0.54
Col8	35	-0.26	0.00	0.54
Col8	36	0.14	0.00	0.00
Col8	37	0.14	0.00	0.00
Col8	38	0.66	0.00	0.00
Col8	39	0.66	0.00	0.00
Col8	40	0.58	0.00	0.00
Col8	41	0.58	0.00	0.00
Col8	42	0.58	0.00	0.00
Col8	43	0.58	0.00	0.00
Col8	44	0.09	0.00	0.00
Col8	45	0.09	0.00	0.00
Col8	46	0.83	0.00	0.00
Col8	47	0.56	0.00	0.40

Col8	48	0.40	0.00	0.40
Col8	49	0.13	0.00	0.00
Col8	50	0.13	0.00	0.00
Col8	51	0.09	0.00	0.00
Col8	52	0.09	0.00	0.00
Col8	53	0.92	0.00	0.00
Col8	54	0.72	0.00	0.00
Col8	55	0.72	0.00	0.40
Col8	56	0.72	0.00	0.00
Col9	1	0.83	0.00	0.00
Col9	2	0.13	0.00	0.00
Col9	3	0.72	0.00	0.00
Col9	4	0.72	0.00	0.00
Col9	5	0.66	0.00	0.00
Col9	6	0.57	0.00	0.00
Col9	7	0.57	0.00	0.00
Col9	8	-0.18	0.00	-0.48
Col9	9	-0.40	0.00	-0.48
Col9	10	-0.18	0.00	0.53
Col9	11	-0.40	0.00	0.53
Col9	12	-0.18	0.00	0.53
Col9	13	-0.40	0.00	0.53
Col9	14	-0.02	0.00	0.53
Col9	15	-0.23	0.00	0.53
Col9	16	0.56	0.00	0.40
Col9	17	0.40	0.00	0.40
Col9	18	0.43	0.00	0.40
Col9	19	0.27	0.00	0.40
Col9	20	0.47	0.00	0.40
Col9	21	0.32	0.00	0.40
Col9	22	0.35	0.00	0.40
Col9	23	0.19	0.00	0.40
Col9	24	0.47	0.00	0.40
Col9	25	0.32	0.00	0.40
Col9	26	0.35	0.00	0.40
Col9	27	0.19	0.00	0.40
Col9	28	-0.21	0.00	-0.48
Col9	29	-0.42	0.00	-0.48
Col9	30	-0.21	0.00	0.53
Col9	31	-0.42	0.00	0.53
Col9	32	-0.21	0.00	0.53
Col9	33	-0.42	0.00	0.53
Col9	34	-0.05	0.00	0.53
Col9	35	-0.26	0.00	0.53
Col9	36	0.14	0.00	0.00
Col9	37	0.14	0.00	0.00
Col9	38	0.66	0.00	0.00
Col9	39	0.66	0.00	0.00
Col9	40	0.58	0.00	0.00
Col9	41	0.58	0.00	0.00
Col9	42	0.58	0.00	0.00
Col9	43	0.58	0.00	0.00
Col9	44	0.09	0.00	0.00
Col9	45	0.09	0.00	0.00
Col9	46	0.83	0.00	0.00
Col9	47	0.56	0.00	0.40
Col9	48	0.40	0.00	0.40
Col9	49	0.13	0.00	0.00
Col9	50	0.13	0.00	0.00
Col9	51	0.09	0.00	0.00
Col9	52	0.09	0.00	0.00
Col9	53	0.92	0.00	0.00
Col9	54	0.72	0.00	0.00
Col9	55	0.72	0.00	0.40
Col9	56	0.72	0.00	0.00

Col10	1	0.83	0.00	0.00
Col10	2	0.13	0.00	0.00
Col10	3	0.72	0.00	0.00
Col10	4	0.72	0.00	0.00
Col10	5	0.66	0.00	0.00
Col10	6	0.57	0.00	0.00
Col10	7	0.57	0.00	0.00
Col10	8	-0.18	0.00	-0.47
Col10	9	-0.40	0.00	-0.47
Col10	10	-0.18	0.00	0.52
Col10	11	-0.40	0.00	0.52
Col10	12	-0.18	0.00	0.52
Col10	13	-0.40	0.00	0.52
Col10	14	-0.02	0.00	0.52
Col10	15	-0.23	0.00	0.52
Col10	16	0.56	0.00	0.39
Col10	17	0.40	0.00	0.39
Col10	18	0.43	0.00	0.39
Col10	19	0.27	0.00	0.39
Col10	20	0.47	0.00	0.39
Col10	21	0.31	0.00	0.39
Col10	22	0.35	0.00	0.39
Col10	23	0.19	0.00	0.39
Col10	24	0.47	0.00	0.39
Col10	25	0.31	0.00	0.39
Col10	26	0.35	0.00	0.39
Col10	27	0.19	0.00	0.39
Col10	28	-0.21	0.00	-0.47
Col10	29	-0.42	0.00	-0.47
Col10	30	-0.21	0.00	0.52
Col10	31	-0.42	0.00	0.52
Col10	32	-0.21	0.00	0.52
Col10	33	-0.42	0.00	0.52
Col10	34	-0.05	0.00	0.52
Col10	35	-0.26	0.00	0.52
Col10	36	0.14	0.00	0.00
Col10	37	0.14	0.00	0.00
Col10	38	0.66	0.00	0.00
Col10	39	0.66	0.00	0.00
Col10	40	0.58	0.00	0.00
Col10	41	0.58	0.00	0.00
Col10	42	0.58	0.00	0.00
Col10	43	0.58	0.00	0.00
Col10	44	0.09	0.00	0.00
Col10	45	0.09	0.00	0.00
Col10	46	0.83	0.00	0.00
Col10	47	0.56	0.00	0.39
Col10	48	0.40	0.00	0.39
Col10	49	0.13	0.00	0.00
Col10	50	0.13	0.00	0.00
Col10	51	0.09	0.00	0.00
Col10	52	0.09	0.00	0.00
Col10	53	0.92	0.00	0.00
Col10	54	0.72	0.00	0.00
Col10	55	0.72	0.00	0.39
Col10	56	0.72	0.00	0.00
Col11	1	0.83	0.00	0.00
Col11	2	0.13	0.00	0.00
Col11	3	0.72	0.00	0.00
Col11	4	0.72	0.00	0.00
Col11	5	0.66	0.00	0.00
Col11	6	0.57	0.00	0.00
Col11	7	0.57	0.00	0.00
Col11	8	-0.18	0.00	-0.47
Col11	9	-0.40	0.00	-0.47

Col11	10	-0.18	0.00	0.52
Col11	11	-0.40	0.00	0.52
Col11	12	-0.18	0.00	0.52
Col11	13	-0.40	0.00	0.52
Col11	14	-0.02	0.00	0.52
Col11	15	-0.23	0.00	0.52
Col11	16	0.56	0.00	0.39
Col11	17	0.40	0.00	0.39
Col11	18	0.43	0.00	0.39
Col11	19	0.27	0.00	0.39
Col11	20	0.47	0.00	0.39
Col11	21	0.31	0.00	0.39
Col11	22	0.35	0.00	0.39
Col11	23	0.19	0.00	0.39
Col11	24	0.47	0.00	0.39
Col11	25	0.31	0.00	0.39
Col11	26	0.35	0.00	0.39
Col11	27	0.19	0.00	0.39
Col11	28	-0.21	0.00	-0.47
Col11	29	-0.42	0.00	-0.47
Col11	30	-0.21	0.00	0.52
Col11	31	-0.42	0.00	0.52
Col11	32	-0.21	0.00	0.52
Col11	33	-0.42	0.00	0.52
Col11	34	-0.05	0.00	0.52
Col11	35	-0.26	0.00	0.52
Col11	36	0.14	0.00	0.00
Col11	37	0.14	0.00	0.00
Col11	38	0.66	0.00	0.00
Col11	39	0.66	0.00	0.00
Col11	40	0.58	0.00	0.00
Col11	41	0.58	0.00	0.00
Col11	42	0.58	0.00	0.00
Col11	43	0.58	0.00	0.00
Col11	44	0.08	0.00	0.00
Col11	45	0.08	0.00	0.00
Col11	46	0.83	0.00	0.00
Col11	47	0.56	0.00	0.39
Col11	48	0.40	0.00	0.39
Col11	49	0.13	0.00	0.00
Col11	50	0.13	0.00	0.00
Col11	51	0.09	0.00	0.00
Col11	52	0.09	0.00	0.00
Col11	53	0.86	0.00	0.00
Col11	54	0.68	0.00	0.00
Col11	55	0.68	0.00	0.39
Col11	56	0.68	0.00	0.00
Col12	1	0.83	0.00	0.00
Col12	2	0.13	0.00	0.00
Col12	3	0.72	0.00	0.00
Col12	4	0.72	0.00	0.00
Col12	5	0.66	0.00	0.00
Col12	6	0.57	0.00	0.00
Col12	7	0.57	0.00	0.00
Col12	8	-0.18	0.00	-0.46
Col12	9	-0.40	0.00	-0.46
Col12	10	-0.18	0.00	0.53
Col12	11	-0.40	0.00	0.53
Col12	12	-0.18	0.00	0.53
Col12	13	-0.40	0.00	0.53
Col12	14	-0.02	0.00	0.53
Col12	15	-0.23	0.00	0.53
Col12	16	0.56	0.00	0.40
Col12	17	0.40	0.00	0.40
Col12	18	0.43	0.00	0.40

Col12	19	0.27	0.00	0.40
Col12	20	0.47	0.00	0.40
Col12	21	0.31	0.00	0.40
Col12	22	0.35	0.00	0.40
Col12	23	0.19	0.00	0.40
Col12	24	0.47	0.00	0.40
Col12	25	0.31	0.00	0.40
Col12	26	0.35	0.00	0.40
Col12	27	0.19	0.00	0.40
Col12	28	-0.21	0.00	-0.46
Col12	29	-0.42	0.00	-0.46
Col12	30	-0.21	0.00	0.53
Col12	31	-0.42	0.00	0.53
Col12	32	-0.21	0.00	0.53
Col12	33	-0.42	0.00	0.53
Col12	34	-0.05	0.00	0.53
Col12	35	-0.26	0.00	0.53
Col12	36	0.13	0.00	0.00
Col12	37	0.13	0.00	0.00
Col12	38	0.66	0.00	0.00
Col12	39	0.66	0.00	0.00
Col12	40	0.57	0.00	0.00
Col12	41	0.57	0.00	0.00
Col12	42	0.57	0.00	0.00
Col12	43	0.57	0.00	0.00
Col12	44	0.08	0.00	0.00
Col12	45	0.08	0.00	0.00
Col12	46	0.83	0.00	0.00
Col12	47	0.56	0.00	0.40
Col12	48	0.40	0.00	0.40
Col12	49	0.13	0.00	0.00
Col12	50	0.13	0.00	0.00
Col12	51	0.09	0.00	0.00
Col12	52	0.09	0.00	0.00
Col12	53	0.73	0.00	0.00
Col12	54	0.58	0.00	0.00
Col12	55	0.58	0.00	0.40
Col12	56	0.58	0.00	0.00

COLUMN DEFLECTIONS:

Id	Load	Deflection (in)	
	Id	Calc	Limit
Col2	1	0.00	1.08
Col2	2	0.00	1.08
Col2	3	0.00	1.08
Col2	4	0.00	1.08
Col2	5	0.00	1.08
Col2	6	0.00	1.08
Col2	7	0.00	1.08
Col2	8	-0.70	1.08
Col2	9	-0.70	1.08
Col2	10	0.81	1.08
Col2	11	0.81	1.08
Col2	12	0.81	1.08
Col2	13	0.81	1.08
Col2	14	0.81	1.08
Col2	15	0.81	1.08
Col2	16	0.60	1.08
Col2	17	0.60	1.08
Col2	18	0.60	1.08
Col2	19	0.60	1.08
Col2	20	0.60	1.08
Col2	21	0.60	1.08

Col2	22	0.60	1.08
Col2	23	0.60	1.08
Col2	24	0.60	1.08
Col2	25	0.60	1.08
Col2	26	0.60	1.08
Col2	27	0.60	1.08
Col2	28	-0.70	1.08
Col2	29	-0.70	1.08
Col2	30	0.81	1.08
Col2	31	0.81	1.08
Col2	32	0.81	1.08
Col2	33	0.81	1.08
Col2	34	0.81	1.08
Col2	35	0.81	1.08
Col2	36	0.00	1.08
Col2	37	0.00	1.08
Col2	38	0.00	1.08
Col2	39	0.00	1.08
Col2	40	0.00	1.08
Col2	41	0.00	1.08
Col2	42	0.00	1.08
Col2	43	0.00	1.08
Col2	44	0.00	1.08
Col2	45	0.00	1.08
Col2	46	0.00	1.08
Col2	47	0.36	1.08
Col2	48	0.36	1.08
Col2	49	0.00	1.08
Col2	50	0.00	1.08
Col2	51	0.60	1.08
Col2	52	0.00	1.08
Col3	1	0.00	1.09
Col3	2	0.00	1.09
Col3	3	0.00	1.09
Col3	4	0.00	1.09
Col3	5	0.00	1.09
Col3	6	0.00	1.09
Col3	7	0.00	1.09
Col3	8	-0.74	1.09
Col3	9	-0.74	1.09
Col3	10	0.81	1.09
Col3	11	0.81	1.09
Col3	12	0.81	1.09
Col3	13	0.81	1.09
Col3	14	0.81	1.09
Col3	15	0.81	1.09
Col3	16	0.61	1.09
Col3	17	0.61	1.09
Col3	18	0.61	1.09
Col3	19	0.61	1.09
Col3	20	0.61	1.09
Col3	21	0.61	1.09
Col3	22	0.61	1.09
Col3	23	0.61	1.09
Col3	24	0.61	1.09
Col3	25	0.61	1.09
Col3	26	0.61	1.09
Col3	27	0.61	1.09
Col3	28	-0.74	1.09
Col3	29	-0.74	1.09
Col3	30	0.81	1.09
Col3	31	0.81	1.09
Col3	32	0.81	1.09
Col3	33	0.81	1.09
Col3	34	0.81	1.09

Col3	35	0.81	1.09
Col3	36	0.00	1.09
Col3	37	0.00	1.09
Col3	38	0.00	1.09
Col3	39	0.00	1.09
Col3	40	0.00	1.09
Col3	41	0.00	1.09
Col3	42	0.00	1.09
Col3	43	0.00	1.09
Col3	44	0.00	1.09
Col3	45	0.00	1.09
Col3	46	0.00	1.09
Col3	47	0.37	1.09
Col3	48	0.37	1.09
Col3	49	0.00	1.09
Col3	50	0.00	1.09
Col3	51	0.61	1.09
Col3	52	0.00	1.09
Col4	1	0.00	1.10
Col4	2	0.00	1.10
Col4	3	0.00	1.10
Col4	4	0.00	1.10
Col4	5	0.00	1.10
Col4	6	0.00	1.10
Col4	7	0.00	1.10
Col4	8	-0.77	1.10
Col4	9	-0.77	1.10
Col4	10	0.86	1.10
Col4	11	0.86	1.10
Col4	12	0.86	1.10
Col4	13	0.86	1.10
Col4	14	0.86	1.10
Col4	15	0.86	1.10
Col4	16	0.64	1.10
Col4	17	0.64	1.10
Col4	18	0.64	1.10
Col4	19	0.64	1.10
Col4	20	0.64	1.10
Col4	21	0.64	1.10
Col4	22	0.64	1.10
Col4	23	0.64	1.10
Col4	24	0.64	1.10
Col4	25	0.64	1.10
Col4	26	0.64	1.10
Col4	27	0.64	1.10
Col4	28	-0.77	1.10
Col4	29	-0.77	1.10
Col4	30	0.86	1.10
Col4	31	0.86	1.10
Col4	32	0.86	1.10
Col4	33	0.86	1.10
Col4	34	0.86	1.10
Col4	35	0.86	1.10
Col4	36	0.00	1.10
Col4	37	0.00	1.10
Col4	38	0.00	1.10
Col4	39	0.00	1.10
Col4	40	0.00	1.10
Col4	41	0.00	1.10
Col4	42	0.00	1.10
Col4	43	0.00	1.10
Col4	44	0.00	1.10
Col4	45	0.00	1.10
Col4	46	0.00	1.10
Col4	47	0.39	1.10



Col4	48	0.39	1.10
Col4	49	0.00	1.10
Col4	50	0.00	1.10
Col4	51	0.64	1.10
Col4	52	0.00	1.10
Col5	1	0.00	1.12
Col5	2	0.00	1.12
Col5	3	0.00	1.12
Col5	4	0.00	1.12
Col5	5	0.00	1.12
Col5	6	0.00	1.12
Col5	7	0.00	1.12
Col5	8	-0.81	1.12
Col5	9	-0.81	1.12
Col5	10	0.90	1.12
Col5	11	0.90	1.12
Col5	12	0.90	1.12
Col5	13	0.90	1.12
Col5	14	0.90	1.12
Col5	15	0.90	1.12
Col5	16	0.67	1.12
Col5	17	0.67	1.12
Col5	18	0.67	1.12
Col5	19	0.67	1.12
Col5	20	0.67	1.12
Col5	21	0.67	1.12
Col5	22	0.67	1.12
Col5	23	0.67	1.12
Col5	24	0.67	1.12
Col5	25	0.67	1.12
Col5	26	0.67	1.12
Col5	27	0.67	1.12
Col5	28	-0.81	1.12
Col5	29	-0.81	1.12
Col5	30	0.90	1.12
Col5	31	0.90	1.12
Col5	32	0.90	1.12
Col5	33	0.90	1.12
Col5	34	0.90	1.12
Col5	35	0.90	1.12
Col5	36	0.00	1.12
Col5	37	0.00	1.12
Col5	38	0.00	1.12
Col5	39	0.00	1.12
Col5	40	0.00	1.12
Col5	41	0.00	1.12
Col5	42	0.00	1.12
Col5	43	0.00	1.12
Col5	44	0.00	1.12
Col5	45	0.00	1.12
Col5	46	0.00	1.12
Col5	47	0.40	1.12
Col5	48	0.40	1.12
Col5	49	0.00	1.12
Col5	50	0.00	1.12
Col5	51	0.67	1.12
Col5	52	0.00	1.12
Col6	1	0.00	1.13
Col6	2	0.00	1.13
Col6	3	0.00	1.13
Col6	4	0.00	1.13
Col6	5	0.00	1.13
Col6	6	0.00	1.13
Col6	7	0.00	1.13
Col6	8	-0.86	1.13

Col6	9	-0.86	1.13
Col6	10	0.95	1.13
Col6	11	0.95	1.13
Col6	12	0.95	1.13
Col6	13	0.95	1.13
Col6	14	0.95	1.13
Col6	15	0.95	1.13
Col6	16	0.71	1.13
Col6	17	0.71	1.13
Col6	18	0.71	1.13
Col6	19	0.71	1.13
Col6	20	0.71	1.13
Col6	21	0.71	1.13
Col6	22	0.71	1.13
Col6	23	0.71	1.13
Col6	24	0.71	1.13
Col6	25	0.71	1.13
Col6	26	0.71	1.13
Col6	27	0.71	1.13
Col6	28	-0.86	1.13
Col6	29	-0.86	1.13
Col6	30	0.95	1.13
Col6	31	0.95	1.13
Col6	32	0.95	1.13
Col6	33	0.95	1.13
Col6	34	0.95	1.13
Col6	35	0.95	1.13
Col6	36	0.00	1.13
Col6	37	0.00	1.13
Col6	38	0.00	1.13
Col6	39	0.00	1.13
Col6	40	0.00	1.13
Col6	41	0.00	1.13
Col6	42	0.00	1.13
Col6	43	0.00	1.13
Col6	44	0.00	1.13
Col6	45	0.00	1.13
Col6	46	0.00	1.13
Col6	47	0.43	1.13
Col6	48	0.43	1.13
Col6	49	0.00	1.13
Col6	50	0.00	1.13
Col6	51	0.71	1.13
Col6	52	0.00	1.13
Col7	1	0.00	1.14
Col7	2	0.00	1.14
Col7	3	0.00	1.14
Col7	4	0.00	1.14
Col7	5	0.00	1.14
Col7	6	0.00	1.14
Col7	7	0.00	1.14
Col7	8	0.00	1.14
Col7	9	0.00	1.14
Col7	10	0.00	1.14
Col7	11	0.00	1.14
Col7	12	0.00	1.14
Col7	13	0.00	1.14
Col7	14	0.00	1.14
Col7	15	0.00	1.14
Col7	16	0.00	1.14
Col7	17	0.00	1.14
Col7	18	0.00	1.14
Col7	19	0.00	1.14
Col7	20	0.00	1.14
Col7	21	0.00	1.14

Col7	22	0.00	1.14
Col7	23	0.00	1.14
Col7	24	0.00	1.14
Col7	25	0.00	1.14
Col7	26	0.00	1.14
Col7	27	0.00	1.14
Col7	28	0.00	1.14
Col7	29	0.00	1.14
Col7	30	0.00	1.14
Col7	31	0.00	1.14
Col7	32	0.00	1.14
Col7	33	0.00	1.14
Col7	34	0.00	1.14
Col7	35	0.00	1.14
Col7	36	0.00	1.14
Col7	37	0.00	1.14
Col7	38	0.00	1.14
Col7	39	0.00	1.14
Col7	40	0.00	1.14
Col7	41	0.00	1.14
Col7	42	0.00	1.14
Col7	43	0.00	1.14
Col7	44	0.00	1.14
Col7	45	0.00	1.14
Col7	46	0.00	1.14
Col7	47	0.00	1.14
Col7	48	0.00	1.14
Col7	49	0.00	1.14
Col7	50	0.00	1.14
Col7	51	0.00	1.14
Col7	52	0.00	1.14
Col8	1	0.00	1.13
Col8	2	0.00	1.13
Col8	3	0.00	1.13
Col8	4	0.00	1.13
Col8	5	0.00	1.13
Col8	6	0.00	1.13
Col8	7	0.00	1.13
Col8	8	-0.86	1.13
Col8	9	-0.86	1.13
Col8	10	0.95	1.13
Col8	11	0.95	1.13
Col8	12	0.95	1.13
Col8	13	0.95	1.13
Col8	14	0.95	1.13
Col8	15	0.95	1.13
Col8	16	0.71	1.13
Col8	17	0.71	1.13
Col8	18	0.71	1.13
Col8	19	0.71	1.13
Col8	20	0.71	1.13
Col8	21	0.71	1.13
Col8	22	0.71	1.13
Col8	23	0.71	1.13
Col8	24	0.71	1.13
Col8	25	0.71	1.13
Col8	26	0.71	1.13
Col8	27	0.71	1.13
Col8	28	-0.86	1.13
Col8	29	-0.86	1.13
Col8	30	0.95	1.13
Col8	31	0.95	1.13
Col8	32	0.95	1.13
Col8	33	0.95	1.13
Col8	34	0.95	1.13

Col8	35	0.95	1.13
Col8	36	0.00	1.13
Col8	37	0.00	1.13
Col8	38	0.00	1.13
Col8	39	0.00	1.13
Col8	40	0.00	1.13
Col8	41	0.00	1.13
Col8	42	0.00	1.13
Col8	43	0.00	1.13
Col8	44	0.00	1.13
Col8	45	0.00	1.13
Col8	46	0.00	1.13
Col8	47	0.43	1.13
Col8	48	0.43	1.13
Col8	49	0.00	1.13
Col8	50	0.00	1.13
Col8	51	0.71	1.13
Col8	52	0.00	1.13
Col9	1	0.00	1.12
Col9	2	0.00	1.12
Col9	3	0.00	1.12
Col9	4	0.00	1.12
Col9	5	0.00	1.12
Col9	6	0.00	1.12
Col9	7	0.00	1.12
Col9	8	-0.81	1.12
Col9	9	-0.81	1.12
Col9	10	0.90	1.12
Col9	11	0.90	1.12
Col9	12	0.90	1.12
Col9	13	0.90	1.12
Col9	14	0.90	1.12
Col9	15	0.90	1.12
Col9	16	0.67	1.12
Col9	17	0.67	1.12
Col9	18	0.67	1.12
Col9	19	0.67	1.12
Col9	20	0.67	1.12
Col9	21	0.67	1.12
Col9	22	0.67	1.12
Col9	23	0.67	1.12
Col9	24	0.67	1.12
Col9	25	0.67	1.12
Col9	26	0.67	1.12
Col9	27	0.67	1.12
Col9	28	-0.81	1.12
Col9	29	-0.81	1.12
Col9	30	0.90	1.12
Col9	31	0.90	1.12
Col9	32	0.90	1.12
Col9	33	0.90	1.12
Col9	34	0.90	1.12
Col9	35	0.90	1.12
Col9	36	0.00	1.12
Col9	37	0.00	1.12
Col9	38	0.00	1.12
Col9	39	0.00	1.12
Col9	40	0.00	1.12
Col9	41	0.00	1.12
Col9	42	0.00	1.12
Col9	43	0.00	1.12
Col9	44	0.00	1.12
Col9	45	0.00	1.12
Col9	46	0.00	1.12
Col9	47	0.40	1.12

Col9	48	0.40	1.12
Col9	49	0.00	1.12
Col9	50	0.00	1.12
Col9	51	0.67	1.12
Col9	52	0.00	1.12
Col10	1	0.00	1.10
Col10	2	0.00	1.10
Col10	3	0.00	1.10
Col10	4	0.00	1.10
Col10	5	0.00	1.10
Col10	6	0.00	1.10
Col10	7	0.00	1.10
Col10	8	-0.77	1.10
Col10	9	-0.77	1.10
Col10	10	0.86	1.10
Col10	11	0.86	1.10
Col10	12	0.86	1.10
Col10	13	0.86	1.10
Col10	14	0.86	1.10
Col10	15	0.86	1.10
Col10	16	0.64	1.10
Col10	17	0.64	1.10
Col10	18	0.64	1.10
Col10	19	0.64	1.10
Col10	20	0.64	1.10
Col10	21	0.64	1.10
Col10	22	0.64	1.10
Col10	23	0.64	1.10
Col10	24	0.64	1.10
Col10	25	0.64	1.10
Col10	26	0.64	1.10
Col10	27	0.64	1.10
Col10	28	-0.77	1.10
Col10	29	-0.77	1.10
Col10	30	0.86	1.10
Col10	31	0.86	1.10
Col10	32	0.86	1.10
Col10	33	0.86	1.10
Col10	34	0.86	1.10
Col10	35	0.86	1.10
Col10	36	0.00	1.10
Col10	37	0.00	1.10
Col10	38	0.00	1.10
Col10	39	0.00	1.10
Col10	40	0.00	1.10
Col10	41	0.00	1.10
Col10	42	0.00	1.10
Col10	43	0.00	1.10
Col10	44	0.00	1.10
Col10	45	0.00	1.10
Col10	46	0.00	1.10
Col10	47	0.39	1.10
Col10	48	0.39	1.10
Col10	49	0.00	1.10
Col10	50	0.00	1.10
Col10	51	0.64	1.10
Col10	52	0.00	1.10
Col11	1	0.00	1.09
Col11	2	0.00	1.09
Col11	3	0.00	1.09
Col11	4	0.00	1.09
Col11	5	0.00	1.09
Col11	6	0.00	1.09
Col11	7	0.00	1.09
Col11	8	-0.74	1.09

Col11	9	-0.74	1.09
Col11	10	0.81	1.09
Col11	11	0.81	1.09
Col11	12	0.81	1.09
Col11	13	0.81	1.09
Col11	14	0.81	1.09
Col11	15	0.81	1.09
Col11	16	0.61	1.09
Col11	17	0.61	1.09
Col11	18	0.61	1.09
Col11	19	0.61	1.09
Col11	20	0.61	1.09
Col11	21	0.61	1.09
Col11	22	0.61	1.09
Col11	23	0.61	1.09
Col11	24	0.61	1.09
Col11	25	0.61	1.09
Col11	26	0.61	1.09
Col11	27	0.61	1.09
Col11	28	-0.74	1.09
Col11	29	-0.74	1.09
Col11	30	0.81	1.09
Col11	31	0.81	1.09
Col11	32	0.81	1.09
Col11	33	0.81	1.09
Col11	34	0.81	1.09
Col11	35	0.81	1.09
Col11	36	0.00	1.09
Col11	37	0.00	1.09
Col11	38	0.00	1.09
Col11	39	0.00	1.09
Col11	40	0.00	1.09
Col11	41	0.00	1.09
Col11	42	0.00	1.09
Col11	43	0.00	1.09
Col11	44	0.00	1.09
Col11	45	0.00	1.09
Col11	46	0.00	1.09
Col11	47	0.37	1.09
Col11	48	0.37	1.09
Col11	49	0.00	1.09
Col11	50	0.00	1.09
Col11	51	0.61	1.09
Col11	52	0.00	1.09
Col12	1	0.00	1.08
Col12	2	0.00	1.08
Col12	3	0.00	1.08
Col12	4	0.00	1.08
Col12	5	0.00	1.08
Col12	6	0.00	1.08
Col12	7	0.00	1.08
Col12	8	-0.70	1.08
Col12	9	-0.70	1.08
Col12	10	0.81	1.08
Col12	11	0.81	1.08
Col12	12	0.81	1.08
Col12	13	0.81	1.08
Col12	14	0.81	1.08
Col12	15	0.81	1.08
Col12	16	0.60	1.08
Col12	17	0.60	1.08
Col12	18	0.60	1.08
Col12	19	0.60	1.08
Col12	20	0.60	1.08
Col12	21	0.60	1.08

Col12	22	0.60	1.08
Col12	23	0.60	1.08
Col12	24	0.60	1.08
Col12	25	0.60	1.08
Col12	26	0.60	1.08
Col12	27	0.60	1.08
Col12	28	-0.70	1.08
Col12	29	-0.70	1.08
Col12	30	0.81	1.08
Col12	31	0.81	1.08
Col12	32	0.81	1.08
Col12	33	0.81	1.08
Col12	34	0.81	1.08
Col12	35	0.81	1.08
Col12	36	0.00	1.08
Col12	37	0.00	1.08
Col12	38	0.00	1.08
Col12	39	0.00	1.08
Col12	40	0.00	1.08
Col12	41	0.00	1.08
Col12	42	0.00	1.08
Col12	43	0.00	1.08
Col12	44	0.00	1.08
Col12	45	0.00	1.08
Col12	46	0.00	1.08
Col12	47	0.36	1.08
Col12	48	0.36	1.08
Col12	49	0.00	1.08
Col12	50	0.00	1.08
Col12	51	0.60	1.08
Col12	52	0.00	1.08

COLUMN KL/R RATIO, MOMENT REDUCTION:

Id	Major (ft)	--Minor (ft)--		----KL/R----		Available Reduction Factor	
		Bend	Axial	Major	Minor	Out	In
Col2	16.1	4.1	4.1	84	66	0.00	0.00
Col3	16.3	4.3	4.3	85	70	0.00	0.00
Col4	16.5	4.5	4.5	86	73	0.00	0.00
Col5	16.8	4.8	4.8	87	77	0.00	0.00
Col6	17.0	5.0	5.0	88	80	0.00	0.00
Col7	0.1	5.1	5.1	1	82	0.00	0.00
Col8	17.0	5.0	5.0	88	80	0.00	0.00
Col9	16.8	4.8	4.8	87	77	0.00	0.00
Col10	16.5	4.5	4.5	86	73	0.00	0.00
Col11	16.3	4.3	4.3	85	70	0.00	0.00
Col12	16.1	4.1	4.1	84	66	0.00	0.00

## GIRT LAYOUT:

Bay Id	Girt Id	Locate	Part	Design Length	Available Reduction Factor	
					Out	In
1	1	4.000	6X2C16	4.500	0.00	0.70
	2	8.000	6X2C16	4.500	0.00	0.70
	3	12.000	6X2C16	4.500	0.00	0.70
2	1	4.000	6X2C16	4.500	0.00	0.70
	2	8.000	6X2C16	4.500	0.00	0.70
	3	12.000	6X2C16	4.500	0.00	0.70
3	1	4.000	6X2C16	4.500	0.00	0.70
	2	8.000	6X2C16	4.500	0.00	0.70
	3	12.000	6X2C16	4.500	0.00	0.70
4	1	4.000	6X2C16	4.500	0.00	0.70
	2	8.000	6X2C16	4.500	0.00	0.70
	3	12.000	6X2C16	4.500	0.00	0.70
5	1	4.000	6X2C16	4.500	0.00	0.70
	2	8.000	6X2C16	4.500	0.00	0.70
	3	12.000	6X2C16	4.500	0.00	0.70
6	1	4.000	6X2C16	4.500	0.00	0.70
	2	8.000	6X2C16	4.500	0.00	0.70
	3	12.000	6X2C16	4.500	0.00	0.70
7	1	4.000	6X2C16	4.500	0.00	0.70
	2	8.000	6X2C16	4.500	0.00	0.70
	3	12.000	6X2C16	4.500	0.00	0.70
8	1	4.000	6X2C16	4.500	0.00	0.70
	2	8.000	6X2C16	4.500	0.00	0.70
	3	12.000	6X2C16	4.500	0.00	0.70
9	1	4.000	6X2C16	4.500	0.00	0.70
	2	8.000	6X2C16	4.500	0.00	0.70
	3	12.000	6X2C16	4.500	0.00	0.70
10	1	4.000	6X2C16	4.500	0.00	0.70
	2	8.000	6X2C16	4.500	0.00	0.70
	3	12.000	6X2C16	4.500	0.00	0.70
11	1	4.000	6X2C16	4.500	0.00	0.70
	2	8.000	6X2C16	4.500	0.00	0.70
	3	12.000	6X2C16	4.500	0.00	0.70
12	1	4.000	6X2C16	4.625	0.00	0.70
	2	8.000	6X2C16	4.625	0.00	0.70
	3	12.000	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	-0.10	3.32	-0.12	2.65	0.04	0.00	0.60
		WS	0.12	3.32	0.14	2.65	0.05	0.00	0.60
2	1	WP	-0.10	3.32	-0.12	2.65	0.04	0.00	0.60
		WS	0.11	3.32	0.13	2.65	0.05	0.00	0.60
	3	WP	-0.11	3.32	-0.12	2.65	0.04	0.00	0.60
		WS	0.12	3.32	0.13	2.65	0.05	0.00	0.60
3	1	WP	-0.10	3.32	-0.12	2.65	0.04	0.00	0.60
		WS	0.11	3.32	0.13	2.65	0.05	0.00	0.60
	3	WP	-0.11	3.32	-0.12	2.65	0.05	0.00	0.60
		WS	0.12	3.32	0.13	2.65	0.05	0.00	0.60
4	1	WP	-0.10	3.32	-0.12	2.65	0.04	0.00	0.60
		WS	0.11	3.32	0.13	2.65	0.05	0.00	0.60
	3	WP	-0.11	3.32	-0.12	2.65	0.05	0.00	0.60
		WS	0.12	3.32	0.14	2.65	0.05	0.00	0.60



5	1	WP	-0.10	3.32	-0.12	2.65	0.04	0.00	0.60
		WS	0.11	3.32	0.13	2.65	0.05	0.00	0.60
	3	WP	-0.11	3.32	-0.13	2.65	0.05	0.00	0.60
		WS	0.13	3.32	0.14	2.65	0.05	0.00	0.60
6	1	WP	-0.10	3.32	-0.12	2.65	0.04	0.00	0.60
		WS	0.11	3.32	0.13	2.65	0.05	0.00	0.60
	3	WP	-0.12	3.32	-0.13	2.65	0.05	0.00	0.60
		WS	0.13	3.32	0.14	2.65	0.05	0.00	0.60
7	1	WP	-0.10	3.32	-0.12	2.65	0.04	0.00	0.60
		WS	0.11	3.32	0.13	2.65	0.05	0.00	0.60
	3	WP	-0.12	3.32	-0.13	2.65	0.05	0.00	0.60
		WS	0.13	3.32	0.14	2.65	0.05	0.00	0.60
8	1	WP	-0.10	3.32	-0.12	2.65	0.04	0.00	0.60
		WS	0.11	3.32	0.13	2.65	0.05	0.00	0.60
	3	WP	-0.11	3.32	-0.13	2.65	0.05	0.00	0.60
		WS	0.13	3.32	0.14	2.65	0.05	0.00	0.60
9	1	WP	-0.10	3.32	-0.12	2.65	0.04	0.00	0.60
		WS	0.11	3.32	0.13	2.65	0.05	0.00	0.60
	3	WP	-0.11	3.32	-0.12	2.65	0.05	0.00	0.60
		WS	0.12	3.32	0.14	2.65	0.05	0.00	0.60
10	1	WP	-0.10	3.32	-0.12	2.65	0.04	0.00	0.60
		WS	0.11	3.32	0.13	2.65	0.05	0.00	0.60
	3	WP	-0.11	3.32	-0.12	2.65	0.05	0.00	0.60
		WS	0.12	3.32	0.13	2.65	0.05	0.00	0.60
11	1	WP	-0.10	3.32	-0.12	2.65	0.04	0.00	0.60
		WS	0.11	3.32	0.13	2.65	0.05	0.00	0.60
	3	WP	-0.11	3.32	-0.12	2.65	0.04	0.00	0.60
		WS	0.12	3.32	0.13	2.65	0.05	0.00	0.60
12	1	WP	-0.11	3.32	-0.12	2.65	0.05	0.00	0.62
		WS	0.13	3.32	0.14	2.65	0.05	0.00	0.62
	3	WP	-0.11	3.32	-0.12	2.65	0.05	0.00	0.62
		WS	0.12	3.32	0.14	2.65	0.05	0.00	0.62

WP - Wind\_Pressure

WS - Wind\_Suction

PANEL DATA:

Bay	Part	Type	Gage	Yield
6	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	4.00	WP	0.0	49.1	-17.2	49.1	24.9	38.1	0.65	-0.15	0.80
			WS	0.0	38.1	23.0	38.1	-33.3	49.1	0.68	0.20	0.80
2	4.00	8.00	WP	24.9	38.1	-9.4	49.1	13.5	38.1	0.65	-0.06	0.80
			WS	-33.3	49.1	12.5	38.1	-18.0	49.1	0.68	0.08	0.80
3	8.00	12.00	WP	13.5	38.1	-5.3	49.1	34.4	38.1	0.90	0.00	0.80
			WS	-18.0	49.1	7.1	38.1	-45.9	49.1	0.94	-0.01	0.80
4	12.00	17.02	WP	34.4	38.1	-29.1	49.1	0.0	38.1	0.90	-0.43	1.00
			WS	-45.9	49.1	38.8	38.1	0.0	38.1	1.02	0.57	1.00

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	5.60	54.40	6	4.00	4.51	0.059	4.00
2	Lt Edge	0.00	5.60	1	4.00	4.00	0.059	4.00
3	Rt Edge	54.40	60.00	12	4.00	4.00	0.059	4.00

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	18.90	0.09	0.22	0.61	0.77	0.39
2	1.00	18.90	0.08	0.22	0.61	0.77	0.35
3	1.00	18.90	0.08	0.22	0.61	0.77	0.35

WALL LAYOUT:

Wall Id	Orn	Load Width
2	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
Col14	0.0	6X2C16	6.00	16ga	2.00	16ga	15.9	34.8	55	0.10 Mom+Axl
Col15	14.0	6X2C16	6.00	16ga	2.00	16ga	15.9	34.8	1	0.08 Mom+Axl
Col16	28.0	6X2C16	6.00	16ga	2.00	16ga	15.9	34.8	1	0.08 Mom+Axl
Col17	42.0	6X2C16	6.00	16ga	2.00	16ga	15.9	34.8	1	0.08 Mom+Axl
Col18	56.0	6X2C16	6.00	16ga	2.00	16ga	15.9	34.8	55	0.10 Mom+Axl
Raf1		PB6EC	6.13	16ga	2.06	16ga	28.0	58.8		
Raf2		PB6EC	6.13	16ga	2.06	16ga	28.0	58.8		
Total=								291.4		

DESIGN ACTIONS/STRENGTH:

Id	Load Id	-Axial(k )-		-Shear(k )-		Moment (f-k )		-----Unity Check-----			
		Calc	Limit	Calc	Limit	Calc	Limit	Axial	Shear	Axial+ Moment	Shear+ Moment
Col14	1	0.44	7.84	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col14	2	0.09	7.84	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col14	3	0.39	7.84	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col14	4	0.39	7.84	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col14	5	0.36	7.84	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col14	6	0.31	7.84	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col14	7	0.31	7.84	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col14	8	-0.17	21.18	0.05	3.32	-0.18	2.65	0.01	0.01	0.06	0.00
Col14	9	-0.07	21.18	0.05	3.32	-0.18	2.65	0.00	0.01	0.07	0.00
Col14	10	-0.17	21.18	-0.05	3.32	0.21	2.65	0.01	0.02	0.07	0.00
Col14	11	-0.07	21.18	-0.05	3.32	0.21	2.65	0.00	0.02	0.08	0.00
Col14	12	-0.17	21.18	-0.05	3.32	0.21	2.65	0.01	0.02	0.07	0.00
Col14	13	-0.07	21.18	-0.05	3.32	0.21	2.65	0.00	0.02	0.08	0.00
Col14	14	-0.09	21.18	-0.05	3.32	0.21	2.65	0.00	0.02	0.08	0.00
Col14	15	0.02	7.84	-0.05	3.32	0.21	2.65	0.00	0.02	0.08	0.00
Col14	16	0.23	7.84	-0.04	3.32	0.16	2.65	0.03	0.01	0.09	0.00
Col14	17	0.31	7.84	-0.04	3.32	0.16	2.65	0.04	0.01	0.10	0.00
Col14	18	0.16	7.84	-0.04	3.32	0.16	2.65	0.02	0.01	0.08	0.00
Col14	19	0.24	7.84	-0.04	3.32	0.16	2.65	0.03	0.01	0.09	0.00
Col14	20	0.18	7.84	-0.04	3.32	0.16	2.65	0.02	0.01	0.08	0.00
Col14	21	0.26	7.84	-0.04	3.32	0.16	2.65	0.03	0.01	0.09	0.00
Col14	22	0.12	7.84	-0.04	3.32	0.16	2.65	0.02	0.01	0.08	0.00
Col14	23	0.20	7.84	-0.04	3.32	0.16	2.65	0.03	0.01	0.09	0.00
Col14	24	0.18	7.84	-0.04	3.32	0.16	2.65	0.02	0.01	0.08	0.00
Col14	25	0.26	7.84	-0.04	3.32	0.16	2.65	0.03	0.01	0.09	0.00
Col14	26	0.12	7.84	-0.04	3.32	0.16	2.65	0.02	0.01	0.08	0.00
Col14	27	0.20	7.84	-0.04	3.32	0.16	2.65	0.03	0.01	0.09	0.00
Col14	28	-0.18	21.18	0.05	3.32	-0.18	2.65	0.01	0.01	0.06	0.00
Col14	29	-0.08	21.18	0.05	3.32	-0.18	2.65	0.00	0.01	0.06	0.00
Col14	30	-0.18	21.18	-0.05	3.32	0.21	2.65	0.01	0.02	0.07	0.00
Col14	31	-0.08	21.18	-0.05	3.32	0.21	2.65	0.00	0.02	0.08	0.00
Col14	32	-0.18	21.18	-0.05	3.32	0.21	2.65	0.01	0.02	0.07	0.00
Col14	33	-0.08	21.18	-0.05	3.32	0.21	2.65	0.00	0.02	0.08	0.00

Col14	34	-0.10	21.18	-0.05	3.32	0.21	2.65	0.00	0.02	0.08	0.00
Col14	35	0.00	7.84	-0.05	3.32	0.21	2.65	0.00	0.02	0.08	0.00
Col14	36	0.09	7.84	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col14	37	0.09	7.84	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col14	38	0.36	7.84	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col14	39	0.36	7.84	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col14	40	0.31	7.84	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col14	41	0.31	7.84	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col14	42	0.31	7.84	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col14	43	0.31	7.84	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col14	44	0.07	7.84	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col14	45	0.07	7.84	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col14	46	0.44	7.84	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col14	47	0.23	7.84	-0.04	3.32	0.16	2.65	0.03	0.01	0.09	0.00
Col14	48	0.31	7.84	-0.04	3.32	0.16	2.65	0.04	0.01	0.10	0.00
Col14	49	0.09	7.84	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col14	50	0.09	7.84	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col14	51	0.07	7.84	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col14	52	0.07	7.84	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col14	53	0.39	7.84	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col14	54	0.31	7.84	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col14	55	0.31	7.84	-0.04	3.32	0.16	2.65	0.04	0.01	0.10	0.00
Col14	56	0.31	7.84	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col15	1	0.85	10.49	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col15	2	0.15	10.49	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col15	3	0.74	10.49	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col15	4	0.74	10.49	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col15	5	0.68	10.49	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col15	6	0.59	10.49	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col15	7	0.59	10.49	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col15	8	-0.38	21.18	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col15	9	-0.16	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col15	10	-0.38	21.18	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col15	11	-0.16	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col15	12	-0.38	21.18	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col15	13	-0.16	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col15	14	-0.21	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col15	15	0.00	10.49	0.00	3.32	0.00	2.65	0.00	0.00	0.00	0.00
Col15	16	0.42	10.49	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col15	17	0.58	10.49	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col15	18	0.29	10.49	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col15	19	0.45	10.49	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col15	20	0.33	10.49	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col15	21	0.49	10.49	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col15	22	0.21	10.49	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col15	23	0.37	10.49	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col15	24	0.33	10.49	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col15	25	0.49	10.49	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col15	26	0.21	10.49	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col15	27	0.37	10.49	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col15	28	-0.40	21.18	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col15	29	-0.19	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col15	30	-0.40	21.18	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col15	31	-0.19	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col15	32	-0.40	21.18	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col15	33	-0.19	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col15	34	-0.24	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col15	35	-0.03	21.18	0.00	3.32	0.00	2.65	0.00	0.00	0.00	0.00
Col15	36	0.15	10.49	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col15	37	0.15	10.49	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col15	38	0.68	10.49	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col15	39	0.68	10.49	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col15	40	0.59	10.49	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col15	41	0.59	10.49	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col15	42	0.59	10.49	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00





Col18	5	0.36	7.84	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col18	6	0.31	7.84	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col18	7	0.31	7.84	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col18	8	-0.17	21.18	0.05	3.32	-0.18	2.65	0.01	0.01	0.06	0.00
Col18	9	-0.07	21.18	0.05	3.32	-0.18	2.65	0.00	0.01	0.07	0.00
Col18	10	-0.17	21.18	-0.05	3.32	0.21	2.65	0.01	0.02	0.07	0.00
Col18	11	-0.07	21.18	-0.05	3.32	0.21	2.65	0.00	0.02	0.08	0.00
Col18	12	-0.17	21.18	-0.05	3.32	0.21	2.65	0.01	0.02	0.07	0.00
Col18	13	-0.07	21.18	-0.05	3.32	0.21	2.65	0.00	0.02	0.08	0.00
Col18	14	-0.09	21.18	-0.05	3.32	0.21	2.65	0.00	0.02	0.08	0.00
Col18	15	0.02	7.84	-0.05	3.32	0.21	2.65	0.00	0.02	0.08	0.00
Col18	16	0.23	7.84	-0.04	3.32	0.16	2.65	0.03	0.01	0.09	0.00
Col18	17	0.31	7.84	-0.04	3.32	0.16	2.65	0.04	0.01	0.10	0.00
Col18	18	0.16	7.84	-0.04	3.32	0.16	2.65	0.02	0.01	0.08	0.00
Col18	19	0.24	7.84	-0.04	3.32	0.16	2.65	0.03	0.01	0.09	0.00
Col18	20	0.18	7.84	-0.04	3.32	0.16	2.65	0.02	0.01	0.08	0.00
Col18	21	0.26	7.84	-0.04	3.32	0.16	2.65	0.03	0.01	0.09	0.00
Col18	22	0.12	7.84	-0.04	3.32	0.16	2.65	0.02	0.01	0.08	0.00
Col18	23	0.20	7.84	-0.04	3.32	0.16	2.65	0.03	0.01	0.09	0.00
Col18	24	0.18	7.84	-0.04	3.32	0.16	2.65	0.02	0.01	0.08	0.00
Col18	25	0.26	7.84	-0.04	3.32	0.16	2.65	0.03	0.01	0.09	0.00
Col18	26	0.12	7.84	-0.04	3.32	0.16	2.65	0.02	0.01	0.08	0.00
Col18	27	0.20	7.84	-0.04	3.32	0.16	2.65	0.03	0.01	0.09	0.00
Col18	28	-0.18	21.18	0.05	3.32	-0.18	2.65	0.01	0.01	0.06	0.00
Col18	29	-0.08	21.18	0.05	3.32	-0.18	2.65	0.00	0.01	0.06	0.00
Col18	30	-0.18	21.18	-0.05	3.32	0.21	2.65	0.01	0.02	0.07	0.00
Col18	31	-0.08	21.18	-0.05	3.32	0.21	2.65	0.00	0.02	0.08	0.00
Col18	32	-0.18	21.18	-0.05	3.32	0.21	2.65	0.01	0.02	0.07	0.00
Col18	33	-0.08	21.18	-0.05	3.32	0.21	2.65	0.00	0.02	0.08	0.00
Col18	34	-0.10	21.18	-0.05	3.32	0.21	2.65	0.00	0.02	0.08	0.00
Col18	35	0.00	7.84	-0.05	3.32	0.21	2.65	0.00	0.02	0.08	0.00
Col18	36	0.09	7.84	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col18	37	0.09	7.84	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col18	38	0.36	7.84	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col18	39	0.36	7.84	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col18	40	0.31	7.84	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col18	41	0.31	7.84	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col18	42	0.31	7.84	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col18	43	0.31	7.84	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col18	44	0.07	7.84	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col18	45	0.07	7.84	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col18	46	0.44	7.84	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col18	47	0.23	7.84	-0.04	3.32	0.16	2.65	0.03	0.01	0.09	0.00
Col18	48	0.31	7.84	-0.04	3.32	0.16	2.65	0.04	0.01	0.10	0.00
Col18	49	0.09	7.84	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col18	50	0.09	7.84	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col18	51	0.07	7.84	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col18	52	0.07	7.84	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col18	53	0.39	7.84	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col18	54	0.31	7.84	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col18	55	0.31	7.84	-0.04	3.32	0.16	2.65	0.04	0.01	0.10	0.00
Col18	56	0.31	7.84	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00

Raf1	1	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf1	2	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf1	3	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf1	4	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf1	5	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf1	6	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf1	7	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf1	8	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf1	9	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf1	10	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf1	11	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf1	12	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00





Raf2	22	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf2	23	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf2	24	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf2	25	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf2	26	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf2	27	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf2	28	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf2	29	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf2	30	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf2	31	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf2	32	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf2	33	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf2	34	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf2	35	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf2	36	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf2	37	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf2	38	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf2	39	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf2	40	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf2	41	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf2	42	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf2	43	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf2	44	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf2	45	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf2	46	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf2	47	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf2	48	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf2	49	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf2	50	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf2	51	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf2	52	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf2	53	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf2	54	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf2	55	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf2	56	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00

COLUMN REACTIONS:

Id	Load		In_Plane Horz(k )	Out_Plane Horz(k )
	Id	Vert(k )		
Col14	1	0.44	0.00	0.00
Col14	2	0.09	0.00	0.00
Col14	3	0.39	0.00	0.00
Col14	4	0.39	0.00	0.00
Col14	5	0.36	0.00	0.00
Col14	6	0.31	0.00	0.00
Col14	7	0.31	0.00	0.00
Col14	8	-0.17	0.00	-0.05
Col14	9	-0.07	0.00	-0.05
Col14	10	-0.17	0.00	0.05
Col14	11	-0.07	0.00	0.05
Col14	12	-0.17	0.00	0.05
Col14	13	-0.07	0.00	0.05
Col14	14	-0.09	0.00	0.05
Col14	15	0.02	0.00	0.05
Col14	16	0.23	0.00	0.04
Col14	17	0.31	0.00	0.04
Col14	18	0.16	0.00	0.04
Col14	19	0.24	0.00	0.04
Col14	20	0.18	0.00	0.04
Col14	21	0.26	0.00	0.04
Col14	22	0.12	0.00	0.04
Col14	23	0.20	0.00	0.04
Col14	24	0.18	0.00	0.04

Col14	25	0.26	0.00	0.04
Col14	26	0.12	0.00	0.04
Col14	27	0.20	0.00	0.04
Col14	28	-0.18	0.00	-0.05
Col14	29	-0.08	0.00	-0.05
Col14	30	-0.18	0.00	0.05
Col14	31	-0.08	0.00	0.05
Col14	32	-0.18	0.00	0.05
Col14	33	-0.08	0.00	0.05
Col14	34	-0.10	0.00	0.05
Col14	35	0.00	0.00	0.05
Col14	36	0.09	0.00	0.00
Col14	37	0.09	0.00	0.00
Col14	38	0.36	0.00	0.00
Col14	39	0.36	0.00	0.00
Col14	40	0.31	0.00	0.00
Col14	41	0.31	0.00	0.00
Col14	42	0.31	0.00	0.00
Col14	43	0.31	0.00	0.00
Col14	44	0.07	0.00	0.00
Col14	45	0.07	0.00	0.00
Col14	46	0.44	0.00	0.00
Col14	47	0.23	0.00	0.04
Col14	48	0.31	0.00	0.04
Col14	49	0.09	0.00	0.00
Col14	50	0.09	0.00	0.00
Col14	51	0.07	0.00	0.00
Col14	52	0.07	0.00	0.00
Col14	53	0.39	0.00	0.00
Col14	54	0.31	0.00	0.00
Col14	55	0.31	0.00	0.04
Col14	56	0.31	0.00	0.00
Col15	1	0.85	0.00	0.00
Col15	2	0.15	0.00	0.00
Col15	3	0.74	0.00	0.00
Col15	4	0.74	0.00	0.00
Col15	5	0.68	0.00	0.00
Col15	6	0.59	0.00	0.00
Col15	7	0.59	0.00	0.00
Col15	8	-0.38	0.00	0.00
Col15	9	-0.16	0.00	0.00
Col15	10	-0.38	0.00	0.00
Col15	11	-0.16	0.00	0.00
Col15	12	-0.38	0.00	0.00
Col15	13	-0.16	0.00	0.00
Col15	14	-0.21	0.00	0.00
Col15	15	0.00	0.00	0.00
Col15	16	0.42	0.00	0.00
Col15	17	0.58	0.00	0.00
Col15	18	0.29	0.00	0.00
Col15	19	0.45	0.00	0.00
Col15	20	0.33	0.00	0.00
Col15	21	0.49	0.00	0.00
Col15	22	0.21	0.00	0.00
Col15	23	0.37	0.00	0.00
Col15	24	0.33	0.00	0.00
Col15	25	0.49	0.00	0.00
Col15	26	0.21	0.00	0.00
Col15	27	0.37	0.00	0.00
Col15	28	-0.40	0.00	0.00
Col15	29	-0.19	0.00	0.00
Col15	30	-0.40	0.00	0.00
Col15	31	-0.19	0.00	0.00
Col15	32	-0.40	0.00	0.00
Col15	33	-0.19	0.00	0.00

Col15	34	-0.24	0.00	0.00
Col15	35	-0.03	0.00	0.00
Col15	36	0.15	0.00	0.00
Col15	37	0.15	0.00	0.00
Col15	38	0.68	0.00	0.00
Col15	39	0.68	0.00	0.00
Col15	40	0.59	0.00	0.00
Col15	41	0.59	0.00	0.00
Col15	42	0.59	0.00	0.00
Col15	43	0.59	0.00	0.00
Col15	44	0.10	0.00	0.00
Col15	45	0.10	0.00	0.00
Col15	46	0.85	0.00	0.00
Col15	47	0.42	0.00	0.00
Col15	48	0.58	0.00	0.00
Col15	49	0.15	0.00	0.00
Col15	50	0.15	0.00	0.00
Col15	51	0.11	0.00	0.00
Col15	52	0.11	0.00	0.00
Col15	53	0.74	0.00	0.00
Col15	54	0.59	0.00	0.00
Col15	55	0.59	0.00	0.00
Col15	56	0.59	0.00	0.00
Col16	1	0.85	0.00	0.00
Col16	2	0.15	0.00	0.00
Col16	3	0.74	0.00	0.00
Col16	4	0.74	0.00	0.00
Col16	5	0.68	0.00	0.00
Col16	6	0.59	0.00	0.00
Col16	7	0.59	0.00	0.00
Col16	8	-0.38	0.00	0.00
Col16	9	-0.16	0.00	0.00
Col16	10	-0.38	0.00	0.00
Col16	11	-0.16	0.00	0.00
Col16	12	-0.38	0.00	0.00
Col16	13	-0.16	0.00	0.00
Col16	14	-0.21	0.00	0.00
Col16	15	0.00	0.00	0.00
Col16	16	0.42	0.00	0.00
Col16	17	0.58	0.00	0.00
Col16	18	0.29	0.00	0.00
Col16	19	0.45	0.00	0.00
Col16	20	0.33	0.00	0.00
Col16	21	0.49	0.00	0.00
Col16	22	0.21	0.00	0.00
Col16	23	0.37	0.00	0.00
Col16	24	0.33	0.00	0.00
Col16	25	0.49	0.00	0.00
Col16	26	0.21	0.00	0.00
Col16	27	0.37	0.00	0.00
Col16	28	-0.40	0.00	0.00
Col16	29	-0.19	0.00	0.00
Col16	30	-0.40	0.00	0.00
Col16	31	-0.19	0.00	0.00
Col16	32	-0.40	0.00	0.00
Col16	33	-0.19	0.00	0.00
Col16	34	-0.24	0.00	0.00
Col16	35	-0.03	0.00	0.00
Col16	36	0.15	0.00	0.00
Col16	37	0.15	0.00	0.00
Col16	38	0.68	0.00	0.00
Col16	39	0.68	0.00	0.00
Col16	40	0.59	0.00	0.00
Col16	41	0.59	0.00	0.00
Col16	42	0.59	0.00	0.00

Col16	43	0.59	0.00	0.00
Col16	44	0.10	0.00	0.00
Col16	45	0.10	0.00	0.00
Col16	46	0.85	0.00	0.00
Col16	47	0.42	0.00	0.00
Col16	48	0.58	0.00	0.00
Col16	49	0.15	0.00	0.00
Col16	50	0.15	0.00	0.00
Col16	51	0.11	0.00	0.00
Col16	52	0.11	0.00	0.00
Col16	53	0.74	0.00	0.00
Col16	54	0.59	0.00	0.00
Col16	55	0.59	0.00	0.00
Col16	56	0.59	0.00	0.00
Col17	1	0.85	0.00	0.00
Col17	2	0.15	0.00	0.00
Col17	3	0.74	0.00	0.00
Col17	4	0.74	0.00	0.00
Col17	5	0.68	0.00	0.00
Col17	6	0.59	0.00	0.00
Col17	7	0.59	0.00	0.00
Col17	8	-0.38	0.00	0.00
Col17	9	-0.16	0.00	0.00
Col17	10	-0.38	0.00	0.00
Col17	11	-0.16	0.00	0.00
Col17	12	-0.38	0.00	0.00
Col17	13	-0.16	0.00	0.00
Col17	14	-0.21	0.00	0.00
Col17	15	0.00	0.00	0.00
Col17	16	0.42	0.00	0.00
Col17	17	0.58	0.00	0.00
Col17	18	0.29	0.00	0.00
Col17	19	0.45	0.00	0.00
Col17	20	0.33	0.00	0.00
Col17	21	0.49	0.00	0.00
Col17	22	0.21	0.00	0.00
Col17	23	0.37	0.00	0.00
Col17	24	0.33	0.00	0.00
Col17	25	0.49	0.00	0.00
Col17	26	0.21	0.00	0.00
Col17	27	0.37	0.00	0.00
Col17	28	-0.40	0.00	0.00
Col17	29	-0.19	0.00	0.00
Col17	30	-0.40	0.00	0.00
Col17	31	-0.19	0.00	0.00
Col17	32	-0.40	0.00	0.00
Col17	33	-0.19	0.00	0.00
Col17	34	-0.24	0.00	0.00
Col17	35	-0.03	0.00	0.00
Col17	36	0.15	0.00	0.00
Col17	37	0.15	0.00	0.00
Col17	38	0.68	0.00	0.00
Col17	39	0.68	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	0.10	0.00	0.00
Col17	45	0.10	0.00	0.00
Col17	46	0.85	0.00	0.00
Col17	47	0.42	0.00	0.00
Col17	48	0.58	0.00	0.00
Col17	49	0.15	0.00	0.00
Col17	50	0.15	0.00	0.00
Col17	51	0.11	0.00	0.00

Col17	52	0.11	0.00	0.00
Col17	53	0.74	0.00	0.00
Col17	54	0.59	0.00	0.00
Col17	55	0.59	0.00	0.00
Col17	56	0.59	0.00	0.00
Col18	1	0.44	0.00	0.00
Col18	2	0.09	0.00	0.00
Col18	3	0.39	0.00	0.00
Col18	4	0.39	0.00	0.00
Col18	5	0.36	0.00	0.00
Col18	6	0.31	0.00	0.00
Col18	7	0.31	0.00	0.00
Col18	8	-0.17	0.00	-0.05
Col18	9	-0.07	0.00	-0.05
Col18	10	-0.17	0.00	0.05
Col18	11	-0.07	0.00	0.05
Col18	12	-0.17	0.00	0.05
Col18	13	-0.07	0.00	0.05
Col18	14	-0.09	0.00	0.05
Col18	15	0.02	0.00	0.05
Col18	16	0.23	0.00	0.04
Col18	17	0.31	0.00	0.04
Col18	18	0.16	0.00	0.04
Col18	19	0.24	0.00	0.04
Col18	20	0.18	0.00	0.04
Col18	21	0.26	0.00	0.04
Col18	22	0.12	0.00	0.04
Col18	23	0.20	0.00	0.04
Col18	24	0.18	0.00	0.04
Col18	25	0.26	0.00	0.04
Col18	26	0.12	0.00	0.04
Col18	27	0.20	0.00	0.04
Col18	28	-0.18	0.00	-0.05
Col18	29	-0.08	0.00	-0.05
Col18	30	-0.18	0.00	0.05
Col18	31	-0.08	0.00	0.05
Col18	32	-0.18	0.00	0.05
Col18	33	-0.08	0.00	0.05
Col18	34	-0.10	0.00	0.05
Col18	35	0.00	0.00	0.05
Col18	36	0.09	0.00	0.00
Col18	37	0.09	0.00	0.00
Col18	38	0.36	0.00	0.00
Col18	39	0.36	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	0.07	0.00	0.00
Col18	45	0.07	0.00	0.00
Col18	46	0.44	0.00	0.00
Col18	47	0.23	0.00	0.04
Col18	48	0.31	0.00	0.04
Col18	49	0.09	0.00	0.00
Col18	50	0.09	0.00	0.00
Col18	51	0.07	0.00	0.00
Col18	52	0.07	0.00	0.00
Col18	53	0.39	0.00	0.00
Col18	54	0.31	0.00	0.00
Col18	55	0.31	0.00	0.04
Col18	56	0.31	0.00	0.00

COLUMN DEFLECTIONS:

Load            Deflection (in)

<u>Id</u>	<u>Id</u>	<u>Calc</u>	<u>Limit</u>
Col14	1	0.00	1.06
Col14	2	0.00	1.06
Col14	3	0.00	1.06
Col14	4	0.00	1.06
Col14	5	0.00	1.06
Col14	6	0.00	1.06
Col14	7	0.00	1.06
Col14	8	-0.07	1.06
Col14	9	-0.07	1.06
Col14	10	0.08	1.06
Col14	11	0.08	1.06
Col14	12	0.08	1.06
Col14	13	0.08	1.06
Col14	14	0.08	1.06
Col14	15	0.08	1.06
Col14	16	0.06	1.06
Col14	17	0.06	1.06
Col14	18	0.06	1.06
Col14	19	0.06	1.06
Col14	20	0.06	1.06
Col14	21	0.06	1.06
Col14	22	0.06	1.06
Col14	23	0.06	1.06
Col14	24	0.06	1.06
Col14	25	0.06	1.06
Col14	26	0.06	1.06
Col14	27	0.06	1.06
Col14	28	-0.07	1.06
Col14	29	-0.07	1.06
Col14	30	0.08	1.06
Col14	31	0.08	1.06
Col14	32	0.08	1.06
Col14	33	0.08	1.06
Col14	34	0.08	1.06
Col14	35	0.08	1.06
Col14	36	0.00	1.06
Col14	37	0.00	1.06
Col14	38	0.00	1.06
Col14	39	0.00	1.06
Col14	40	0.00	1.06
Col14	41	0.00	1.06
Col14	42	0.00	1.06
Col14	43	0.00	1.06
Col14	44	0.00	1.06
Col14	45	0.00	1.06
Col14	46	0.00	1.06
Col14	47	0.03	1.06
Col14	48	0.03	1.06
Col14	49	0.00	1.06
Col14	50	0.00	1.06
Col14	51	0.06	1.06
Col14	52	0.00	1.06
Col15	1	0.00	1.06
Col15	2	0.00	1.06
Col15	3	0.00	1.06
Col15	4	0.00	1.06
Col15	5	0.00	1.06
Col15	6	0.00	1.06
Col15	7	0.00	1.06
Col15	8	0.00	1.06
Col15	9	0.00	1.06
Col15	10	0.00	1.06
Col15	11	0.00	1.06

Col15	12	0.00	1.06
Col15	13	0.00	1.06
Col15	14	0.00	1.06
Col15	15	0.00	1.06
Col15	16	0.00	1.06
Col15	17	0.00	1.06
Col15	18	0.00	1.06
Col15	19	0.00	1.06
Col15	20	0.00	1.06
Col15	21	0.00	1.06
Col15	22	0.00	1.06
Col15	23	0.00	1.06
Col15	24	0.00	1.06
Col15	25	0.00	1.06
Col15	26	0.00	1.06
Col15	27	0.00	1.06
Col15	28	0.00	1.06
Col15	29	0.00	1.06
Col15	30	0.00	1.06
Col15	31	0.00	1.06
Col15	32	0.00	1.06
Col15	33	0.00	1.06
Col15	34	0.00	1.06
Col15	35	0.00	1.06
Col15	36	0.00	1.06
Col15	37	0.00	1.06
Col15	38	0.00	1.06
Col15	39	0.00	1.06
Col15	40	0.00	1.06
Col15	41	0.00	1.06
Col15	42	0.00	1.06
Col15	43	0.00	1.06
Col15	44	0.00	1.06
Col15	45	0.00	1.06
Col15	46	0.00	1.06
Col15	47	0.00	1.06
Col15	48	0.00	1.06
Col15	49	0.00	1.06
Col15	50	0.00	1.06
Col15	51	0.00	1.06
Col15	52	0.00	1.06
Col16	1	0.00	1.06
Col16	2	0.00	1.06
Col16	3	0.00	1.06
Col16	4	0.00	1.06
Col16	5	0.00	1.06
Col16	6	0.00	1.06
Col16	7	0.00	1.06
Col16	8	0.00	1.06
Col16	9	0.00	1.06
Col16	10	0.00	1.06
Col16	11	0.00	1.06
Col16	12	0.00	1.06
Col16	13	0.00	1.06
Col16	14	0.00	1.06
Col16	15	0.00	1.06
Col16	16	0.00	1.06
Col16	17	0.00	1.06
Col16	18	0.00	1.06
Col16	19	0.00	1.06
Col16	20	0.00	1.06
Col16	21	0.00	1.06
Col16	22	0.00	1.06
Col16	23	0.00	1.06
Col16	24	0.00	1.06



Col16	25	0.00	1.06
Col16	26	0.00	1.06
Col16	27	0.00	1.06
Col16	28	0.00	1.06
Col16	29	0.00	1.06
Col16	30	0.00	1.06
Col16	31	0.00	1.06
Col16	32	0.00	1.06
Col16	33	0.00	1.06
Col16	34	0.00	1.06
Col16	35	0.00	1.06
Col16	36	0.00	1.06
Col16	37	0.00	1.06
Col16	38	0.00	1.06
Col16	39	0.00	1.06
Col16	40	0.00	1.06
Col16	41	0.00	1.06
Col16	42	0.00	1.06
Col16	43	0.00	1.06
Col16	44	0.00	1.06
Col16	45	0.00	1.06
Col16	46	0.00	1.06
Col16	47	0.00	1.06
Col16	48	0.00	1.06
Col16	49	0.00	1.06
Col16	50	0.00	1.06
Col16	51	0.00	1.06
Col16	52	0.00	1.06
Col17	1	0.00	1.06
Col17	2	0.00	1.06
Col17	3	0.00	1.06
Col17	4	0.00	1.06
Col17	5	0.00	1.06
Col17	6	0.00	1.06
Col17	7	0.00	1.06
Col17	8	0.00	1.06
Col17	9	0.00	1.06
Col17	10	0.00	1.06
Col17	11	0.00	1.06
Col17	12	0.00	1.06
Col17	13	0.00	1.06
Col17	14	0.00	1.06
Col17	15	0.00	1.06
Col17	16	0.00	1.06
Col17	17	0.00	1.06
Col17	18	0.00	1.06
Col17	19	0.00	1.06
Col17	20	0.00	1.06
Col17	21	0.00	1.06
Col17	22	0.00	1.06
Col17	23	0.00	1.06
Col17	24	0.00	1.06
Col17	25	0.00	1.06
Col17	26	0.00	1.06
Col17	27	0.00	1.06
Col17	28	0.00	1.06
Col17	29	0.00	1.06
Col17	30	0.00	1.06
Col17	31	0.00	1.06
Col17	32	0.00	1.06
Col17	33	0.00	1.06
Col17	34	0.00	1.06
Col17	35	0.00	1.06
Col17	36	0.00	1.06
Col17	37	0.00	1.06

Col17	38	0.00	1.06
Col17	39	0.00	1.06
Col17	40	0.00	1.06
Col17	41	0.00	1.06
Col17	42	0.00	1.06
Col17	43	0.00	1.06
Col17	44	0.00	1.06
Col17	45	0.00	1.06
Col17	46	0.00	1.06
Col17	47	0.00	1.06
Col17	48	0.00	1.06
Col17	49	0.00	1.06
Col17	50	0.00	1.06
Col17	51	0.00	1.06
Col17	52	0.00	1.06
Col18	1	0.00	1.06
Col18	2	0.00	1.06
Col18	3	0.00	1.06
Col18	4	0.00	1.06
Col18	5	0.00	1.06
Col18	6	0.00	1.06
Col18	7	0.00	1.06
Col18	8	-0.07	1.06
Col18	9	-0.07	1.06
Col18	10	0.08	1.06
Col18	11	0.08	1.06
Col18	12	0.08	1.06
Col18	13	0.08	1.06
Col18	14	0.08	1.06
Col18	15	0.08	1.06
Col18	16	0.06	1.06
Col18	17	0.06	1.06
Col18	18	0.06	1.06
Col18	19	0.06	1.06
Col18	20	0.06	1.06
Col18	21	0.06	1.06
Col18	22	0.06	1.06
Col18	23	0.06	1.06
Col18	24	0.06	1.06
Col18	25	0.06	1.06
Col18	26	0.06	1.06
Col18	27	0.06	1.06
Col18	28	-0.07	1.06
Col18	29	-0.07	1.06
Col18	30	0.08	1.06
Col18	31	0.08	1.06
Col18	32	0.08	1.06
Col18	33	0.08	1.06
Col18	34	0.08	1.06
Col18	35	0.08	1.06
Col18	36	0.00	1.06
Col18	37	0.00	1.06
Col18	38	0.00	1.06
Col18	39	0.00	1.06
Col18	40	0.00	1.06
Col18	41	0.00	1.06
Col18	42	0.00	1.06
Col18	43	0.00	1.06
Col18	44	0.00	1.06
Col18	45	0.00	1.06
Col18	46	0.00	1.06
Col18	47	0.03	1.06
Col18	48	0.03	1.06
Col18	49	0.00	1.06
Col18	50	0.00	1.06

Coll8	51	0.06	1.06
Coll8	52	0.00	1.06

RAFTER DEFLECTIONS:

Id	Load	Deflection (in)	
	Id	Calc	Limit
Raf1	1	0.00	0.93
Raf1	2	0.00	0.93
Raf1	3	0.00	0.93
Raf1	4	0.00	0.93
Raf1	5	0.00	0.93
Raf1	6	0.00	0.93
Raf1	7	0.00	0.93
Raf1	8	0.00	0.93
Raf1	9	0.00	0.93
Raf1	10	0.00	0.93
Raf1	11	0.00	0.93
Raf1	12	0.00	0.93
Raf1	13	0.00	0.93
Raf1	14	0.00	0.93
Raf1	15	0.00	0.93
Raf1	16	0.00	0.93
Raf1	17	0.00	0.93
Raf1	18	0.00	0.93
Raf1	19	0.00	0.93
Raf1	20	0.00	0.93
Raf1	21	0.00	0.93
Raf1	22	0.00	0.93
Raf1	23	0.00	0.93
Raf1	24	0.00	0.93
Raf1	25	0.00	0.93
Raf1	26	0.00	0.93
Raf1	27	0.00	0.93
Raf1	28	0.00	0.93
Raf1	29	0.00	0.93
Raf1	30	0.00	0.93
Raf1	31	0.00	0.93
Raf1	32	0.00	0.93
Raf1	33	0.00	0.93
Raf1	34	0.00	0.93
Raf1	35	0.00	0.93
Raf1	36	0.00	0.93
Raf1	37	0.00	0.93
Raf1	38	0.00	0.93
Raf1	39	0.00	0.93
Raf1	40	0.00	0.93
Raf1	41	0.00	0.93
Raf1	42	0.00	0.93
Raf1	43	0.00	0.93
Raf1	44	0.00	0.93
Raf1	45	0.00	0.93
Raf1	46	0.00	0.93
Raf1	47	0.00	0.93
Raf1	48	0.00	0.93
Raf1	49	0.00	0.93
Raf1	50	0.00	0.93
Raf1	51	0.00	0.93
Raf1	52	0.00	0.93
Raf2	1	0.00	0.93
Raf2	2	0.00	0.93
Raf2	3	0.00	0.93
Raf2	4	0.00	0.93
Raf2	5	0.00	0.93

Raf2	6	0.00	0.93
Raf2	7	0.00	0.93
Raf2	8	0.00	0.93
Raf2	9	0.00	0.93
Raf2	10	0.00	0.93
Raf2	11	0.00	0.93
Raf2	12	0.00	0.93
Raf2	13	0.00	0.93
Raf2	14	0.00	0.93
Raf2	15	0.00	0.93
Raf2	16	0.00	0.93
Raf2	17	0.00	0.93
Raf2	18	0.00	0.93
Raf2	19	0.00	0.93
Raf2	20	0.00	0.93
Raf2	21	0.00	0.93
Raf2	22	0.00	0.93
Raf2	23	0.00	0.93
Raf2	24	0.00	0.93
Raf2	25	0.00	0.93
Raf2	26	0.00	0.93
Raf2	27	0.00	0.93
Raf2	28	0.00	0.93
Raf2	29	0.00	0.93
Raf2	30	0.00	0.93
Raf2	31	0.00	0.93
Raf2	32	0.00	0.93
Raf2	33	0.00	0.93
Raf2	34	0.00	0.93
Raf2	35	0.00	0.93
Raf2	36	0.00	0.93
Raf2	37	0.00	0.93
Raf2	38	0.00	0.93
Raf2	39	0.00	0.93
Raf2	40	0.00	0.93
Raf2	41	0.00	0.93
Raf2	42	0.00	0.93
Raf2	43	0.00	0.93
Raf2	44	0.00	0.93
Raf2	45	0.00	0.93
Raf2	46	0.00	0.93
Raf2	47	0.00	0.93
Raf2	48	0.00	0.93
Raf2	49	0.00	0.93
Raf2	50	0.00	0.93
Raf2	51	0.00	0.93
Raf2	52	0.00	0.93

COLUMN KL/R RATIO, MOMENT REDUCTION:

Id	Major (ft)	--Minor (ft)--		----KL/R----		Available Reduction Factor	
		Bend	Axial	Major	Minor	Out	In
Col14	15.9	4.0	4.0	82	64	0.00	0.00
Col15	0.1	4.0	4.0	1	64	0.00	0.00
Col16	0.1	4.0	4.0	1	64	0.00	0.00
Col17	0.1	4.0	4.0	1	64	0.00	0.00
Col18	15.9	4.0	4.0	82	64	0.00	0.00

## JAMB/HEADER LAYOUT:

Bay Id	Id	Part	Length	Weight
1	JambL	PBMJ6	15.88	55.3
	JambR	PBMJ6	15.88	55.3
	Header	6X25C16	12.00	28.1
2	JambL	PBMJ6	15.88	55.3
	JambR	PBMJ6	15.88	55.3
	Header	6X25C16	12.00	28.1
3	JambL	PBMJ6	15.88	55.3
	JambR	PBMJ6	15.88	55.3
	Header	6X25C16	12.00	28.1
4	JambL	PBMJ6	15.88	55.3
	JambR	PBMJ6	15.88	55.3
	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	-2.35	3.90	0.60	-0.27	2.12
		WS	0.69	5.26	2.73	3.90	0.70	0.32	2.12
	JambR	WP	-0.59	5.26	-2.35	3.90	0.60	-0.27	2.12
		WS	0.65	5.26	2.59	3.90	0.66	0.30	2.12
	Header	WP	-0.06	3.86	-0.19	0.98	0.20	-0.02	1.60
		WS	0.07	3.86	0.22	1.93	0.11	0.02	1.60
2	JambL	WP	-0.59	5.26	-2.35	3.90	0.60	-0.27	2.12
		WS	0.65	5.26	2.59	3.90	0.66	0.30	2.12
	JambR	WP	-0.59	5.26	-2.35	3.90	0.60	-0.27	2.12
		WS	0.65	5.26	2.59	3.90	0.66	0.30	2.12
	Header	WP	-0.06	3.86	-0.19	0.98	0.20	-0.02	1.60
		WS	0.07	3.86	0.21	1.93	0.11	0.02	1.60
3	JambL	WP	-0.59	5.26	-2.35	3.90	0.60	-0.27	2.12
		WS	0.65	5.26	2.59	3.90	0.66	0.30	2.12
	JambR	WP	-0.59	5.26	-2.35	3.90	0.60	-0.27	2.12
		WS	0.65	5.26	2.59	3.90	0.66	0.30	2.12
	Header	WP	-0.06	3.86	-0.19	0.98	0.20	-0.02	1.60
		WS	0.07	3.86	0.21	1.93	0.11	0.02	1.60
4	JambL	WP	-0.59	5.26	-2.35	3.90	0.60	-0.27	2.12
		WS	0.65	5.26	2.59	3.90	0.66	0.30	2.12
	JambR	WP	-0.59	5.26	-2.35	3.90	0.60	-0.27	2.12
		WS	0.69	5.26	2.73	3.90	0.70	0.32	2.12
	Header	WP	-0.06	3.86	-0.19	0.98	0.20	-0.02	1.60
		WS	0.07	3.86	0.22	1.93	0.11	0.02	1.60

WP - Wind\_Pressure

WS - Wind\_Suction

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	14.00	15.88	WP	0.0	49.1	-6.2	49.1	0.0	38.1	0.13	-0.02	0.38
			WS	0.0	38.1	8.3	38.1	0.0	38.1	0.22	0.02	0.38

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	5.60	50.40	1	4.00	4.00	0.000	4.00
2	Lt Edge	0.00	5.60	1	4.00	4.00	0.000	4.00
3	Rt Edge	50.40	56.00	4	4.00	4.00	0.000	4.00

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	18.90	0.08				
2	1.00	18.90	0.08				
3	1.00	18.90	0.08				

## WALL LAYOUT:

Wall Id	Orn	Load Width
3	T	7.00

## MEMBER LAYOUT:

Id	Locate (ft)	Part	---Web (in)---		-Flange (in)-		Length (ft)	Weight (lb)	----Max_Load----		
			Depth	Thick	Width	Thick			Id	UC	Report
Col20	5.0	6X2C16	6.00	16ga	2.00	16ga	16.1	35.3	15	0.81	Mom+Axl
Col21	10.0	6X2C16	6.00	16ga	2.00	16ga	16.3	35.8	15	0.80	Mom+Axl
Col22	15.0	6X2C16	6.00	16ga	2.00	16ga	16.5	36.2	15	0.82	Mom+Axl
Col23	20.0	6X2C16	6.00	16ga	2.00	16ga	16.8	36.7	15	0.84	Mom+Axl
Col24	25.0	6X2C16	6.00	16ga	2.00	16ga	17.0	37.1	15	0.86	Mom+Axl
Col25	30.0	6X2C16	6.00	16ga	2.00	16ga	17.1	37.4	53	0.10	Mom+Axl
Col26	35.0	6X2C16	6.00	16ga	2.00	16ga	17.0	37.1	14	0.86	Mom+Axl
Col27	40.0	6X2C16	6.00	16ga	2.00	16ga	16.8	36.7	14	0.84	Mom+Axl
Col28	45.0	6X2C16	6.00	16ga	2.00	16ga	16.5	36.2	14	0.82	Mom+Axl
Col29	50.0	6X2C16	6.00	16ga	2.00	16ga	16.3	35.8	14	0.80	Mom+Axl
Col30	55.0	6X2C16	6.00	16ga	2.00	16ga	16.1	35.3	14	0.81	Mom+Axl
Total=								399.7			

## 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+
Col20	1	0.83	7.66	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col20	2	0.13	7.66	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col20	3	0.72	7.66	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col20	4	0.72	7.66	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col20	5	0.66	7.66	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col20	6	0.57	7.66	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col20	7	0.57	7.66	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col20	8	-0.40	21.18	0.46	3.32	-1.86	2.65	0.02	0.14	0.68	0.00
Col20	9	-0.18	21.18	0.46	3.32	-1.86	2.65	0.01	0.14	0.69	0.00
Col20	10	-0.40	21.18	-0.53	3.32	2.15	2.65	0.02	0.16	0.79	0.00
Col20	11	-0.18	21.18	-0.53	3.32	2.15	2.65	0.01	0.16	0.80	0.00
Col20	12	-0.40	21.18	-0.53	3.32	2.15	2.65	0.02	0.16	0.79	0.00
Col20	13	-0.18	21.18	-0.53	3.32	2.15	2.65	0.01	0.16	0.80	0.00
Col20	14	-0.23	21.18	-0.53	3.32	2.15	2.65	0.01	0.16	0.80	0.00
Col20	15	-0.02	21.18	-0.53	3.32	2.15	2.65	0.00	0.16	0.81	0.00
Col20	16	0.40	7.66	-0.40	3.32	1.61	2.65	0.05	0.12	0.66	0.00
Col20	17	0.56	7.66	-0.40	3.32	1.61	2.65	0.07	0.12	0.68	0.00
Col20	18	0.27	7.66	-0.40	3.32	1.61	2.65	0.04	0.12	0.64	0.00
Col20	19	0.43	7.66	-0.40	3.32	1.61	2.65	0.06	0.12	0.66	0.00
Col20	20	0.31	7.66	-0.40	3.32	1.61	2.65	0.04	0.12	0.65	0.00
Col20	21	0.47	7.66	-0.40	3.32	1.61	2.65	0.06	0.12	0.67	0.00
Col20	22	0.19	7.66	-0.40	3.32	1.61	2.65	0.02	0.12	0.63	0.00
Col20	23	0.35	7.66	-0.40	3.32	1.61	2.65	0.05	0.12	0.65	0.00
Col20	24	0.31	7.66	-0.40	3.32	1.61	2.65	0.04	0.12	0.65	0.00
Col20	25	0.47	7.66	-0.40	3.32	1.61	2.65	0.06	0.12	0.67	0.00
Col20	26	0.19	7.66	-0.40	3.32	1.61	2.65	0.02	0.12	0.63	0.00
Col20	27	0.35	7.66	-0.40	3.32	1.61	2.65	0.05	0.12	0.65	0.00
Col20	28	-0.42	21.18	0.46	3.32	-1.86	2.65	0.02	0.14	0.68	0.00
Col20	29	-0.21	21.18	0.46	3.32	-1.86	2.65	0.01	0.14	0.69	0.00
Col20	30	-0.42	21.18	-0.53	3.32	2.15	2.65	0.02	0.16	0.79	0.00



Col20	31	-0.21	21.18	-0.53	3.32	2.15	2.65	0.01	0.16	0.80	0.00
Col20	32	-0.42	21.18	-0.53	3.32	2.15	2.65	0.02	0.16	0.79	0.00
Col20	33	-0.21	21.18	-0.53	3.32	2.15	2.65	0.01	0.16	0.80	0.00
Col20	34	-0.26	21.18	-0.53	3.32	2.15	2.65	0.01	0.16	0.80	0.00
Col20	35	-0.05	21.18	-0.53	3.32	2.15	2.65	0.00	0.16	0.81	0.00
Col20	36	0.13	7.66	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col20	37	0.13	7.66	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col20	38	0.66	7.66	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col20	39	0.66	7.66	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col20	40	0.57	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col20	41	0.57	7.66	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col20	42	0.57	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col20	43	0.57	7.66	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col20	44	0.08	7.66	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col20	45	0.08	7.66	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col20	46	0.83	7.66	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col20	47	0.40	7.66	-0.40	3.32	1.61	2.65	0.05	0.12	0.66	0.00
Col20	48	0.56	7.66	-0.40	3.32	1.61	2.65	0.07	0.12	0.68	0.00
Col20	49	0.13	7.66	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col20	50	0.13	7.66	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col20	51	0.09	7.66	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col20	52	0.09	7.66	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col20	53	0.73	7.66	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col20	54	0.58	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col20	55	0.58	7.66	-0.40	3.32	1.61	2.65	0.08	0.12	0.68	0.00
Col20	56	0.58	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col21	1	0.83	7.45	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col21	2	0.13	7.45	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col21	3	0.72	7.45	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col21	4	0.72	7.45	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col21	5	0.66	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col21	6	0.57	7.45	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col21	7	0.57	7.45	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col21	8	-0.40	21.18	0.47	3.32	-1.91	2.65	0.02	0.14	0.70	0.00
Col21	9	-0.18	21.18	0.47	3.32	-1.91	2.65	0.01	0.14	0.71	0.00
Col21	10	-0.40	21.18	-0.52	3.32	2.11	2.65	0.02	0.16	0.78	0.00
Col21	11	-0.18	21.18	-0.52	3.32	2.11	2.65	0.01	0.16	0.79	0.00
Col21	12	-0.40	21.18	-0.52	3.32	2.11	2.65	0.02	0.16	0.78	0.00
Col21	13	-0.18	21.18	-0.52	3.32	2.11	2.65	0.01	0.16	0.79	0.00
Col21	14	-0.23	21.18	-0.52	3.32	2.11	2.65	0.01	0.16	0.79	0.00
Col21	15	-0.02	21.18	-0.52	3.32	2.11	2.65	0.00	0.16	0.80	0.00
Col21	16	0.40	7.45	-0.39	3.32	1.58	2.65	0.05	0.12	0.65	0.00
Col21	17	0.56	7.45	-0.39	3.32	1.58	2.65	0.07	0.12	0.67	0.00
Col21	18	0.27	7.45	-0.39	3.32	1.58	2.65	0.04	0.12	0.63	0.00
Col21	19	0.43	7.45	-0.39	3.32	1.58	2.65	0.06	0.12	0.66	0.00
Col21	20	0.31	7.45	-0.39	3.32	1.58	2.65	0.04	0.12	0.64	0.00
Col21	21	0.47	7.45	-0.39	3.32	1.58	2.65	0.06	0.12	0.66	0.00
Col21	22	0.19	7.45	-0.39	3.32	1.58	2.65	0.03	0.12	0.62	0.00
Col21	23	0.35	7.45	-0.39	3.32	1.58	2.65	0.05	0.12	0.65	0.00
Col21	24	0.31	7.45	-0.39	3.32	1.58	2.65	0.04	0.12	0.64	0.00
Col21	25	0.47	7.45	-0.39	3.32	1.58	2.65	0.06	0.12	0.66	0.00
Col21	26	0.19	7.45	-0.39	3.32	1.58	2.65	0.03	0.12	0.62	0.00
Col21	27	0.35	7.45	-0.39	3.32	1.58	2.65	0.05	0.12	0.65	0.00
Col21	28	-0.42	21.18	0.47	3.32	-1.91	2.65	0.02	0.14	0.70	0.00
Col21	29	-0.21	21.18	0.47	3.32	-1.91	2.65	0.01	0.14	0.71	0.00
Col21	30	-0.42	21.18	-0.52	3.32	2.11	2.65	0.02	0.16	0.78	0.00
Col21	31	-0.21	21.18	-0.52	3.32	2.11	2.65	0.01	0.16	0.79	0.00
Col21	32	-0.42	21.18	-0.52	3.32	2.11	2.65	0.02	0.16	0.78	0.00
Col21	33	-0.21	21.18	-0.52	3.32	2.11	2.65	0.01	0.16	0.79	0.00
Col21	34	-0.26	21.18	-0.52	3.32	2.11	2.65	0.01	0.16	0.79	0.00
Col21	35	-0.05	21.18	-0.52	3.32	2.11	2.65	0.00	0.16	0.80	0.00
Col21	36	0.14	7.45	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col21	37	0.14	7.45	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col21	38	0.66	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col21	39	0.66	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00

Col121	40	0.58	7.45	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col121	41	0.58	7.45	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col121	42	0.58	7.45	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col121	43	0.58	7.45	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col121	44	0.08	7.45	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col121	45	0.08	7.45	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col121	46	0.83	7.45	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col121	47	0.40	7.45	-0.39	3.32	1.58	2.65	0.05	0.12	0.65	0.00
Col121	48	0.56	7.45	-0.39	3.32	1.58	2.65	0.07	0.12	0.67	0.00
Col121	49	0.13	7.45	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col121	50	0.13	7.45	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col121	51	0.09	7.45	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col121	52	0.09	7.45	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col121	53	0.86	7.45	0.00	3.32	0.00	2.65	0.12	0.00	0.12	0.00
Col121	54	0.68	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col121	55	0.68	7.45	-0.39	3.32	1.58	2.65	0.09	0.12	0.69	0.00
Col121	56	0.68	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col122	1	0.83	7.23	0.00	3.32	0.00	2.65	0.12	0.00	0.12	0.00
Col122	2	0.13	7.23	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col122	3	0.72	7.23	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col122	4	0.72	7.23	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col122	5	0.66	7.23	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col122	6	0.57	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col122	7	0.57	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col122	8	-0.40	21.18	0.47	3.32	-1.96	2.65	0.02	0.14	0.72	0.00
Col122	9	-0.18	21.18	0.47	3.32	-1.96	2.65	0.01	0.14	0.73	0.00
Col122	10	-0.40	21.18	-0.52	3.32	2.17	2.65	0.02	0.16	0.80	0.00
Col122	11	-0.18	21.18	-0.52	3.32	2.17	2.65	0.01	0.16	0.81	0.00
Col122	12	-0.40	21.18	-0.52	3.32	2.17	2.65	0.02	0.16	0.80	0.00
Col122	13	-0.18	21.18	-0.52	3.32	2.17	2.65	0.01	0.16	0.81	0.00
Col122	14	-0.23	21.18	-0.52	3.32	2.17	2.65	0.01	0.16	0.81	0.00
Col122	15	-0.02	21.18	-0.52	3.32	2.17	2.65	0.00	0.16	0.82	0.00
Col122	16	0.40	7.23	-0.39	3.32	1.62	2.65	0.06	0.12	0.67	0.00
Col122	17	0.56	7.23	-0.39	3.32	1.62	2.65	0.08	0.12	0.69	0.00
Col122	18	0.27	7.23	-0.39	3.32	1.62	2.65	0.04	0.12	0.65	0.00
Col122	19	0.43	7.23	-0.39	3.32	1.62	2.65	0.06	0.12	0.67	0.00
Col122	20	0.31	7.23	-0.39	3.32	1.62	2.65	0.04	0.12	0.66	0.00
Col122	21	0.47	7.23	-0.39	3.32	1.62	2.65	0.07	0.12	0.68	0.00
Col122	22	0.19	7.23	-0.39	3.32	1.62	2.65	0.03	0.12	0.64	0.00
Col122	23	0.35	7.23	-0.39	3.32	1.62	2.65	0.05	0.12	0.66	0.00
Col122	24	0.31	7.23	-0.39	3.32	1.62	2.65	0.04	0.12	0.66	0.00
Col122	25	0.47	7.23	-0.39	3.32	1.62	2.65	0.07	0.12	0.68	0.00
Col122	26	0.19	7.23	-0.39	3.32	1.62	2.65	0.03	0.12	0.64	0.00
Col122	27	0.35	7.23	-0.39	3.32	1.62	2.65	0.05	0.12	0.66	0.00
Col122	28	-0.42	21.18	0.47	3.32	-1.96	2.65	0.02	0.14	0.72	0.00
Col122	29	-0.21	21.18	0.47	3.32	-1.96	2.65	0.01	0.14	0.73	0.00
Col122	30	-0.42	21.18	-0.52	3.32	2.17	2.65	0.02	0.16	0.80	0.00
Col122	31	-0.21	21.18	-0.52	3.32	2.17	2.65	0.01	0.16	0.81	0.00
Col122	32	-0.42	21.18	-0.52	3.32	2.17	2.65	0.02	0.16	0.80	0.00
Col122	33	-0.21	21.18	-0.52	3.32	2.17	2.65	0.01	0.16	0.81	0.00
Col122	34	-0.26	21.18	-0.52	3.32	2.17	2.65	0.01	0.16	0.81	0.00
Col122	35	-0.05	21.18	-0.52	3.32	2.17	2.65	0.00	0.16	0.82	0.00
Col122	36	0.14	7.23	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col122	37	0.14	7.23	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col122	38	0.66	7.23	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col122	39	0.66	7.23	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col122	40	0.58	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col122	41	0.58	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col122	42	0.58	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col122	43	0.58	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col122	44	0.09	7.23	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col122	45	0.09	7.23	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col122	46	0.83	7.23	0.00	3.32	0.00	2.65	0.12	0.00	0.12	0.00
Col122	47	0.40	7.23	-0.39	3.32	1.62	2.65	0.06	0.12	0.67	0.00
Col122	48	0.56	7.23	-0.39	3.32	1.62	2.65	0.08	0.12	0.69	0.00

Col122	49	0.13	7.23	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col122	50	0.13	7.23	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col122	51	0.09	7.23	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col122	52	0.09	7.23	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col122	53	0.92	7.23	0.00	3.32	0.00	2.65	0.13	0.00	0.13	0.00
Col122	54	0.72	7.23	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col122	55	0.72	7.23	-0.39	3.32	1.62	2.65	0.10	0.12	0.71	0.00
Col122	56	0.72	7.23	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col123	1	0.83	7.01	0.00	3.32	0.00	2.65	0.12	0.00	0.12	0.00
Col123	2	0.13	7.01	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col123	3	0.72	7.01	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col123	4	0.72	7.01	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col123	5	0.66	7.01	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col123	6	0.57	7.01	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col123	7	0.57	7.01	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col123	8	-0.40	21.18	0.48	3.32	-2.01	2.65	0.02	0.14	0.74	0.00
Col123	9	-0.18	21.18	0.48	3.32	-2.01	2.65	0.01	0.14	0.75	0.00
Col123	10	-0.40	21.18	-0.53	3.32	2.22	2.65	0.02	0.16	0.82	0.00
Col123	11	-0.18	21.18	-0.53	3.32	2.22	2.65	0.01	0.16	0.83	0.00
Col123	12	-0.40	21.18	-0.53	3.32	2.22	2.65	0.02	0.16	0.82	0.00
Col123	13	-0.18	21.18	-0.53	3.32	2.22	2.65	0.01	0.16	0.83	0.00
Col123	14	-0.23	21.18	-0.53	3.32	2.22	2.65	0.01	0.16	0.83	0.00
Col123	15	-0.02	21.18	-0.53	3.32	2.22	2.65	0.00	0.16	0.84	0.00
Col123	16	0.40	7.01	-0.40	3.32	1.66	2.65	0.06	0.12	0.69	0.00
Col123	17	0.56	7.01	-0.40	3.32	1.66	2.65	0.08	0.12	0.71	0.00
Col123	18	0.27	7.01	-0.40	3.32	1.66	2.65	0.04	0.12	0.67	0.00
Col123	19	0.43	7.01	-0.40	3.32	1.66	2.65	0.06	0.12	0.69	0.00
Col123	20	0.32	7.01	-0.40	3.32	1.66	2.65	0.04	0.12	0.67	0.00
Col123	21	0.47	7.01	-0.40	3.32	1.66	2.65	0.07	0.12	0.70	0.00
Col123	22	0.19	7.01	-0.40	3.32	1.66	2.65	0.03	0.12	0.66	0.00
Col123	23	0.35	7.01	-0.40	3.32	1.66	2.65	0.05	0.12	0.68	0.00
Col123	24	0.32	7.01	-0.40	3.32	1.66	2.65	0.04	0.12	0.67	0.00
Col123	25	0.47	7.01	-0.40	3.32	1.66	2.65	0.07	0.12	0.70	0.00
Col123	26	0.19	7.01	-0.40	3.32	1.66	2.65	0.03	0.12	0.66	0.00
Col123	27	0.35	7.01	-0.40	3.32	1.66	2.65	0.05	0.12	0.68	0.00
Col123	28	-0.42	21.18	0.48	3.32	-2.01	2.65	0.02	0.14	0.74	0.00
Col123	29	-0.21	21.18	0.48	3.32	-2.01	2.65	0.01	0.14	0.75	0.00
Col123	30	-0.42	21.18	-0.53	3.32	2.22	2.65	0.02	0.16	0.82	0.00
Col123	31	-0.21	21.18	-0.53	3.32	2.22	2.65	0.01	0.16	0.83	0.00
Col123	32	-0.42	21.18	-0.53	3.32	2.22	2.65	0.02	0.16	0.82	0.00
Col123	33	-0.21	21.18	-0.53	3.32	2.22	2.65	0.01	0.16	0.83	0.00
Col123	34	-0.26	21.18	-0.53	3.32	2.22	2.65	0.01	0.16	0.83	0.00
Col123	35	-0.05	21.18	-0.53	3.32	2.22	2.65	0.00	0.16	0.84	0.00
Col123	36	0.14	7.01	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col123	37	0.14	7.01	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col123	38	0.66	7.01	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col123	39	0.66	7.01	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col123	40	0.58	7.01	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col123	41	0.58	7.01	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col123	42	0.58	7.01	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col123	43	0.58	7.01	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col123	44	0.09	7.01	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col123	45	0.09	7.01	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col123	46	0.83	7.01	0.00	3.32	0.00	2.65	0.12	0.00	0.12	0.00
Col123	47	0.40	7.01	-0.40	3.32	1.66	2.65	0.06	0.12	0.69	0.00
Col123	48	0.56	7.01	-0.40	3.32	1.66	2.65	0.08	0.12	0.71	0.00
Col123	49	0.13	7.01	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col123	50	0.13	7.01	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col123	51	0.09	7.01	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col123	52	0.09	7.01	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col123	53	0.92	7.01	0.00	3.32	0.00	2.65	0.13	0.00	0.13	0.00
Col123	54	0.72	7.01	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col123	55	0.72	7.01	-0.40	3.32	1.66	2.65	0.10	0.12	0.73	0.00
Col123	56	0.72	7.01	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col124	1	0.83	6.79	0.00	3.32	0.00	2.65	0.12	0.00	0.12	0.00

Col24	2	0.13	6.79	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col24	3	0.72	6.79	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col24	4	0.72	6.79	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col24	5	0.66	6.79	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col24	6	0.57	6.79	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col24	7	0.57	6.79	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col24	8	-0.40	21.18	0.49	3.32	-2.06	2.65	0.02	0.15	0.76	0.00
Col24	9	-0.18	21.18	0.49	3.32	-2.06	2.65	0.01	0.15	0.77	0.00
Col24	10	-0.40	21.18	-0.54	3.32	2.28	2.65	0.02	0.16	0.84	0.00
Col24	11	-0.18	21.18	-0.54	3.32	2.28	2.65	0.01	0.16	0.85	0.00
Col24	12	-0.40	21.18	-0.54	3.32	2.28	2.65	0.02	0.16	0.84	0.00
Col24	13	-0.18	21.18	-0.54	3.32	2.28	2.65	0.01	0.16	0.85	0.00
Col24	14	-0.23	21.18	-0.54	3.32	2.28	2.65	0.01	0.16	0.85	0.00
Col24	15	-0.02	21.18	-0.54	3.32	2.28	2.65	0.00	0.16	0.86	0.00
Col24	16	0.40	6.79	-0.40	3.32	1.71	2.65	0.06	0.12	0.70	0.00
Col24	17	0.56	6.79	-0.40	3.32	1.71	2.65	0.08	0.12	0.73	0.00
Col24	18	0.28	6.79	-0.40	3.32	1.71	2.65	0.04	0.12	0.69	0.00
Col24	19	0.43	6.79	-0.40	3.32	1.71	2.65	0.06	0.12	0.71	0.00
Col24	20	0.32	6.79	-0.40	3.32	1.71	2.65	0.05	0.12	0.69	0.00
Col24	21	0.47	6.79	-0.40	3.32	1.71	2.65	0.07	0.12	0.71	0.00
Col24	22	0.19	6.79	-0.40	3.32	1.71	2.65	0.03	0.12	0.67	0.00
Col24	23	0.35	6.79	-0.40	3.32	1.71	2.65	0.05	0.12	0.70	0.00
Col24	24	0.32	6.79	-0.40	3.32	1.71	2.65	0.05	0.12	0.69	0.00
Col24	25	0.47	6.79	-0.40	3.32	1.71	2.65	0.07	0.12	0.71	0.00
Col24	26	0.19	6.79	-0.40	3.32	1.71	2.65	0.03	0.12	0.67	0.00
Col24	27	0.35	6.79	-0.40	3.32	1.71	2.65	0.05	0.12	0.70	0.00
Col24	28	-0.42	21.18	0.49	3.32	-2.06	2.65	0.02	0.15	0.76	0.00
Col24	29	-0.21	21.18	0.49	3.32	-2.06	2.65	0.01	0.15	0.77	0.00
Col24	30	-0.42	21.18	-0.54	3.32	2.28	2.65	0.02	0.16	0.84	0.00
Col24	31	-0.21	21.18	-0.54	3.32	2.28	2.65	0.01	0.16	0.85	0.00
Col24	32	-0.42	21.18	-0.54	3.32	2.28	2.65	0.02	0.16	0.84	0.00
Col24	33	-0.21	21.18	-0.54	3.32	2.28	2.65	0.01	0.16	0.85	0.00
Col24	34	-0.26	21.18	-0.54	3.32	2.28	2.65	0.01	0.16	0.85	0.00
Col24	35	-0.05	21.18	-0.54	3.32	2.28	2.65	0.00	0.16	0.86	0.00
Col24	36	0.14	6.79	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col24	37	0.14	6.79	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col24	38	0.66	6.79	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col24	39	0.66	6.79	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col24	40	0.58	6.79	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col24	41	0.58	6.79	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col24	42	0.58	6.79	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col24	43	0.58	6.79	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col24	44	0.09	6.79	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col24	45	0.09	6.79	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col24	46	0.83	6.79	0.00	3.32	0.00	2.65	0.12	0.00	0.12	0.00
Col24	47	0.40	6.79	-0.40	3.32	1.71	2.65	0.06	0.12	0.70	0.00
Col24	48	0.56	6.79	-0.40	3.32	1.71	2.65	0.08	0.12	0.73	0.00
Col24	49	0.13	6.79	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col24	50	0.13	6.79	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col24	51	0.09	6.79	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col24	52	0.09	6.79	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col24	53	0.92	6.79	0.00	3.32	0.00	2.65	0.13	0.00	0.13	0.00
Col24	54	0.72	6.79	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col24	55	0.72	6.79	-0.40	3.32	1.71	2.65	0.11	0.12	0.75	0.00
Col24	56	0.72	6.79	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col25	1	0.83	8.83	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col25	2	0.13	8.83	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col25	3	0.72	8.83	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col25	4	0.72	8.83	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col25	5	0.66	8.83	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col25	6	0.58	8.83	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col25	7	0.58	8.83	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col25	8	-0.28	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col25	9	-0.28	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col25	10	-0.28	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00

Col25	11	-0.28	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col25	12	-0.28	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col25	13	-0.28	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col25	14	-0.12	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col25	15	-0.12	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col25	16	0.48	8.83	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col25	17	0.48	8.83	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col25	18	0.36	8.83	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col25	19	0.36	8.83	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col25	20	0.40	8.83	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col25	21	0.40	8.83	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col25	22	0.28	8.83	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col25	23	0.28	8.83	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col25	24	0.40	8.83	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col25	25	0.40	8.83	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col25	26	0.28	8.83	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col25	27	0.28	8.83	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col25	28	-0.31	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col25	29	-0.31	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col25	30	-0.31	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col25	31	-0.31	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col25	32	-0.31	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col25	33	-0.31	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col25	34	-0.15	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col25	35	-0.15	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col25	36	0.14	8.83	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col25	37	0.14	8.83	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col25	38	0.66	8.83	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col25	39	0.66	8.83	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col25	40	0.58	8.83	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col25	41	0.58	8.83	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col25	42	0.58	8.83	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col25	43	0.58	8.83	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col25	44	0.09	8.83	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col25	45	0.09	8.83	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col25	46	0.82	8.83	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col25	47	0.47	8.83	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col25	48	0.47	8.83	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col25	49	0.13	8.83	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col25	50	0.13	8.83	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col25	51	0.09	8.83	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col25	52	0.09	8.83	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col25	53	0.90	8.83	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col25	54	0.71	8.83	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col25	55	0.71	8.83	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col25	56	0.71	8.83	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col26	1	0.83	6.79	0.00	3.32	0.00	2.65	0.12	0.00	0.12	0.00
Col26	2	0.13	6.79	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col26	3	0.72	6.79	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col26	4	0.72	6.79	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col26	5	0.66	6.79	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col26	6	0.57	6.79	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col26	7	0.57	6.79	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col26	8	-0.18	21.18	0.49	3.32	-2.06	2.65	0.01	0.15	0.77	0.00
Col26	9	-0.40	21.18	0.49	3.32	-2.06	2.65	0.02	0.15	0.76	0.00
Col26	10	-0.18	21.18	-0.54	3.32	2.28	2.65	0.01	0.16	0.85	0.00
Col26	11	-0.40	21.18	-0.54	3.32	2.28	2.65	0.02	0.16	0.84	0.00
Col26	12	-0.18	21.18	-0.54	3.32	2.28	2.65	0.01	0.16	0.85	0.00
Col26	13	-0.40	21.18	-0.54	3.32	2.28	2.65	0.02	0.16	0.84	0.00
Col26	14	-0.02	21.18	-0.54	3.32	2.28	2.65	0.00	0.16	0.86	0.00
Col26	15	-0.23	21.18	-0.54	3.32	2.28	2.65	0.01	0.16	0.85	0.00
Col26	16	0.56	6.79	-0.40	3.32	1.71	2.65	0.08	0.12	0.73	0.00
Col26	17	0.40	6.79	-0.40	3.32	1.71	2.65	0.06	0.12	0.70	0.00
Col26	18	0.43	6.79	-0.40	3.32	1.71	2.65	0.06	0.12	0.71	0.00
Col26	19	0.28	6.79	-0.40	3.32	1.71	2.65	0.04	0.12	0.69	0.00

Col26	20	0.47	6.79	-0.40	3.32	1.71	2.65	0.07	0.12	0.71	0.00
Col26	21	0.32	6.79	-0.40	3.32	1.71	2.65	0.05	0.12	0.69	0.00
Col26	22	0.35	6.79	-0.40	3.32	1.71	2.65	0.05	0.12	0.70	0.00
Col26	23	0.19	6.79	-0.40	3.32	1.71	2.65	0.03	0.12	0.67	0.00
Col26	24	0.47	6.79	-0.40	3.32	1.71	2.65	0.07	0.12	0.71	0.00
Col26	25	0.32	6.79	-0.40	3.32	1.71	2.65	0.05	0.12	0.69	0.00
Col26	26	0.35	6.79	-0.40	3.32	1.71	2.65	0.05	0.12	0.70	0.00
Col26	27	0.19	6.79	-0.40	3.32	1.71	2.65	0.03	0.12	0.67	0.00
Col26	28	-0.21	21.18	0.49	3.32	-2.06	2.65	0.01	0.15	0.77	0.00
Col26	29	-0.42	21.18	0.49	3.32	-2.06	2.65	0.02	0.15	0.76	0.00
Col26	30	-0.21	21.18	-0.54	3.32	2.28	2.65	0.01	0.16	0.85	0.00
Col26	31	-0.42	21.18	-0.54	3.32	2.28	2.65	0.02	0.16	0.84	0.00
Col26	32	-0.21	21.18	-0.54	3.32	2.28	2.65	0.01	0.16	0.85	0.00
Col26	33	-0.42	21.18	-0.54	3.32	2.28	2.65	0.02	0.16	0.84	0.00
Col26	34	-0.05	21.18	-0.54	3.32	2.28	2.65	0.00	0.16	0.86	0.00
Col26	35	-0.26	21.18	-0.54	3.32	2.28	2.65	0.01	0.16	0.85	0.00
Col26	36	0.14	6.79	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col26	37	0.14	6.79	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col26	38	0.66	6.79	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col26	39	0.66	6.79	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col26	40	0.58	6.79	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col26	41	0.58	6.79	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col26	42	0.58	6.79	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col26	43	0.58	6.79	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col26	44	0.09	6.79	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col26	45	0.09	6.79	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col26	46	0.83	6.79	0.00	3.32	0.00	2.65	0.12	0.00	0.12	0.00
Col26	47	0.56	6.79	-0.40	3.32	1.71	2.65	0.08	0.12	0.73	0.00
Col26	48	0.40	6.79	-0.40	3.32	1.71	2.65	0.06	0.12	0.70	0.00
Col26	49	0.13	6.79	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col26	50	0.13	6.79	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col26	51	0.09	6.79	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col26	52	0.09	6.79	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col26	53	0.92	6.79	0.00	3.32	0.00	2.65	0.13	0.00	0.13	0.00
Col26	54	0.72	6.79	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col26	55	0.72	6.79	-0.40	3.32	1.71	2.65	0.11	0.12	0.75	0.00
Col26	56	0.72	6.79	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col27	1	0.83	7.01	0.00	3.32	0.00	2.65	0.12	0.00	0.12	0.00
Col27	2	0.13	7.01	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col27	3	0.72	7.01	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col27	4	0.72	7.01	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col27	5	0.66	7.01	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col27	6	0.57	7.01	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col27	7	0.57	7.01	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col27	8	-0.18	21.18	0.48	3.32	-2.01	2.65	0.01	0.14	0.75	0.00
Col27	9	-0.40	21.18	0.48	3.32	-2.01	2.65	0.02	0.14	0.74	0.00
Col27	10	-0.18	21.18	-0.53	3.32	2.22	2.65	0.01	0.16	0.83	0.00
Col27	11	-0.40	21.18	-0.53	3.32	2.22	2.65	0.02	0.16	0.82	0.00
Col27	12	-0.18	21.18	-0.53	3.32	2.22	2.65	0.01	0.16	0.83	0.00
Col27	13	-0.40	21.18	-0.53	3.32	2.22	2.65	0.02	0.16	0.82	0.00
Col27	14	-0.02	21.18	-0.53	3.32	2.22	2.65	0.00	0.16	0.84	0.00
Col27	15	-0.23	21.18	-0.53	3.32	2.22	2.65	0.01	0.16	0.83	0.00
Col27	16	0.56	7.01	-0.40	3.32	1.66	2.65	0.08	0.12	0.71	0.00
Col27	17	0.40	7.01	-0.40	3.32	1.66	2.65	0.06	0.12	0.69	0.00
Col27	18	0.43	7.01	-0.40	3.32	1.66	2.65	0.06	0.12	0.69	0.00
Col27	19	0.27	7.01	-0.40	3.32	1.66	2.65	0.04	0.12	0.67	0.00
Col27	20	0.47	7.01	-0.40	3.32	1.66	2.65	0.07	0.12	0.70	0.00
Col27	21	0.32	7.01	-0.40	3.32	1.66	2.65	0.04	0.12	0.67	0.00
Col27	22	0.35	7.01	-0.40	3.32	1.66	2.65	0.05	0.12	0.68	0.00
Col27	23	0.19	7.01	-0.40	3.32	1.66	2.65	0.03	0.12	0.66	0.00
Col27	24	0.47	7.01	-0.40	3.32	1.66	2.65	0.07	0.12	0.70	0.00
Col27	25	0.32	7.01	-0.40	3.32	1.66	2.65	0.04	0.12	0.67	0.00
Col27	26	0.35	7.01	-0.40	3.32	1.66	2.65	0.05	0.12	0.68	0.00
Col27	27	0.19	7.01	-0.40	3.32	1.66	2.65	0.03	0.12	0.66	0.00
Col27	28	-0.21	21.18	0.48	3.32	-2.01	2.65	0.01	0.14	0.75	0.00

Col27	29	-0.42	21.18	0.48	3.32	-2.01	2.65	0.02	0.14	0.74	0.00
Col27	30	-0.21	21.18	-0.53	3.32	2.22	2.65	0.01	0.16	0.83	0.00
Col27	31	-0.42	21.18	-0.53	3.32	2.22	2.65	0.02	0.16	0.82	0.00
Col27	32	-0.21	21.18	-0.53	3.32	2.22	2.65	0.01	0.16	0.83	0.00
Col27	33	-0.42	21.18	-0.53	3.32	2.22	2.65	0.02	0.16	0.82	0.00
Col27	34	-0.05	21.18	-0.53	3.32	2.22	2.65	0.00	0.16	0.84	0.00
Col27	35	-0.26	21.18	-0.53	3.32	2.22	2.65	0.01	0.16	0.83	0.00
Col27	36	0.14	7.01	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col27	37	0.14	7.01	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col27	38	0.66	7.01	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col27	39	0.66	7.01	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col27	40	0.58	7.01	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col27	41	0.58	7.01	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col27	42	0.58	7.01	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col27	43	0.58	7.01	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col27	44	0.09	7.01	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col27	45	0.09	7.01	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col27	46	0.83	7.01	0.00	3.32	0.00	2.65	0.12	0.00	0.12	0.00
Col27	47	0.56	7.01	-0.40	3.32	1.66	2.65	0.08	0.12	0.71	0.00
Col27	48	0.40	7.01	-0.40	3.32	1.66	2.65	0.06	0.12	0.69	0.00
Col27	49	0.13	7.01	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col27	50	0.13	7.01	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col27	51	0.09	7.01	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col27	52	0.09	7.01	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col27	53	0.92	7.01	0.00	3.32	0.00	2.65	0.13	0.00	0.13	0.00
Col27	54	0.72	7.01	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col27	55	0.72	7.01	-0.40	3.32	1.66	2.65	0.10	0.12	0.73	0.00
Col27	56	0.72	7.01	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col28	1	0.83	7.23	0.00	3.32	0.00	2.65	0.12	0.00	0.12	0.00
Col28	2	0.13	7.23	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col28	3	0.72	7.23	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col28	4	0.72	7.23	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col28	5	0.66	7.23	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col28	6	0.57	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col28	7	0.57	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col28	8	-0.18	21.18	0.47	3.32	-1.96	2.65	0.01	0.14	0.73	0.00
Col28	9	-0.40	21.18	0.47	3.32	-1.96	2.65	0.02	0.14	0.72	0.00
Col28	10	-0.18	21.18	-0.52	3.32	2.17	2.65	0.01	0.16	0.81	0.00
Col28	11	-0.40	21.18	-0.52	3.32	2.17	2.65	0.02	0.16	0.80	0.00
Col28	12	-0.18	21.18	-0.52	3.32	2.17	2.65	0.01	0.16	0.81	0.00
Col28	13	-0.40	21.18	-0.52	3.32	2.17	2.65	0.02	0.16	0.80	0.00
Col28	14	-0.02	21.18	-0.52	3.32	2.17	2.65	0.00	0.16	0.82	0.00
Col28	15	-0.23	21.18	-0.52	3.32	2.17	2.65	0.01	0.16	0.81	0.00
Col28	16	0.56	7.23	-0.39	3.32	1.62	2.65	0.08	0.12	0.69	0.00
Col28	17	0.40	7.23	-0.39	3.32	1.62	2.65	0.06	0.12	0.67	0.00
Col28	18	0.43	7.23	-0.39	3.32	1.62	2.65	0.06	0.12	0.67	0.00
Col28	19	0.27	7.23	-0.39	3.32	1.62	2.65	0.04	0.12	0.65	0.00
Col28	20	0.47	7.23	-0.39	3.32	1.62	2.65	0.07	0.12	0.68	0.00
Col28	21	0.31	7.23	-0.39	3.32	1.62	2.65	0.04	0.12	0.66	0.00
Col28	22	0.35	7.23	-0.39	3.32	1.62	2.65	0.05	0.12	0.66	0.00
Col28	23	0.19	7.23	-0.39	3.32	1.62	2.65	0.03	0.12	0.64	0.00
Col28	24	0.47	7.23	-0.39	3.32	1.62	2.65	0.07	0.12	0.68	0.00
Col28	25	0.31	7.23	-0.39	3.32	1.62	2.65	0.04	0.12	0.66	0.00
Col28	26	0.35	7.23	-0.39	3.32	1.62	2.65	0.05	0.12	0.66	0.00
Col28	27	0.19	7.23	-0.39	3.32	1.62	2.65	0.03	0.12	0.64	0.00
Col28	28	-0.21	21.18	0.47	3.32	-1.96	2.65	0.01	0.14	0.73	0.00
Col28	29	-0.42	21.18	0.47	3.32	-1.96	2.65	0.02	0.14	0.72	0.00
Col28	30	-0.21	21.18	-0.52	3.32	2.17	2.65	0.01	0.16	0.81	0.00
Col28	31	-0.42	21.18	-0.52	3.32	2.17	2.65	0.02	0.16	0.80	0.00
Col28	32	-0.21	21.18	-0.52	3.32	2.17	2.65	0.01	0.16	0.81	0.00
Col28	33	-0.42	21.18	-0.52	3.32	2.17	2.65	0.02	0.16	0.80	0.00
Col28	34	-0.05	21.18	-0.52	3.32	2.17	2.65	0.00	0.16	0.82	0.00
Col28	35	-0.26	21.18	-0.52	3.32	2.17	2.65	0.01	0.16	0.81	0.00
Col28	36	0.14	7.23	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col28	37	0.14	7.23	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00

Col28	38	0.66	7.23	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col28	39	0.66	7.23	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col28	40	0.58	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col28	41	0.58	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col28	42	0.58	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col28	43	0.58	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col28	44	0.09	7.23	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col28	45	0.09	7.23	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col28	46	0.83	7.23	0.00	3.32	0.00	2.65	0.12	0.00	0.12	0.00
Col28	47	0.56	7.23	-0.39	3.32	1.62	2.65	0.08	0.12	0.69	0.00
Col28	48	0.40	7.23	-0.39	3.32	1.62	2.65	0.06	0.12	0.67	0.00
Col28	49	0.13	7.23	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col28	50	0.13	7.23	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col28	51	0.09	7.23	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col28	52	0.09	7.23	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col28	53	0.92	7.23	0.00	3.32	0.00	2.65	0.13	0.00	0.13	0.00
Col28	54	0.72	7.23	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col28	55	0.72	7.23	-0.39	3.32	1.62	2.65	0.10	0.12	0.71	0.00
Col28	56	0.72	7.23	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col29	1	0.83	7.45	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col29	2	0.13	7.45	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col29	3	0.72	7.45	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col29	4	0.72	7.45	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col29	5	0.66	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col29	6	0.57	7.45	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col29	7	0.57	7.45	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col29	8	-0.18	21.18	0.47	3.32	-1.91	2.65	0.01	0.14	0.71	0.00
Col29	9	-0.40	21.18	0.47	3.32	-1.91	2.65	0.02	0.14	0.70	0.00
Col29	10	-0.18	21.18	-0.52	3.32	2.11	2.65	0.01	0.16	0.79	0.00
Col29	11	-0.40	21.18	-0.52	3.32	2.11	2.65	0.02	0.16	0.78	0.00
Col29	12	-0.18	21.18	-0.52	3.32	2.11	2.65	0.01	0.16	0.79	0.00
Col29	13	-0.40	21.18	-0.52	3.32	2.11	2.65	0.02	0.16	0.78	0.00
Col29	14	-0.02	21.18	-0.52	3.32	2.11	2.65	0.00	0.16	0.80	0.00
Col29	15	-0.23	21.18	-0.52	3.32	2.11	2.65	0.01	0.16	0.79	0.00
Col29	16	0.56	7.45	-0.39	3.32	1.58	2.65	0.07	0.12	0.67	0.00
Col29	17	0.40	7.45	-0.39	3.32	1.58	2.65	0.05	0.12	0.65	0.00
Col29	18	0.43	7.45	-0.39	3.32	1.58	2.65	0.06	0.12	0.66	0.00
Col29	19	0.27	7.45	-0.39	3.32	1.58	2.65	0.04	0.12	0.63	0.00
Col29	20	0.47	7.45	-0.39	3.32	1.58	2.65	0.06	0.12	0.66	0.00
Col29	21	0.31	7.45	-0.39	3.32	1.58	2.65	0.04	0.12	0.64	0.00
Col29	22	0.35	7.45	-0.39	3.32	1.58	2.65	0.05	0.12	0.65	0.00
Col29	23	0.19	7.45	-0.39	3.32	1.58	2.65	0.03	0.12	0.62	0.00
Col29	24	0.47	7.45	-0.39	3.32	1.58	2.65	0.06	0.12	0.66	0.00
Col29	25	0.31	7.45	-0.39	3.32	1.58	2.65	0.04	0.12	0.64	0.00
Col29	26	0.35	7.45	-0.39	3.32	1.58	2.65	0.05	0.12	0.65	0.00
Col29	27	0.19	7.45	-0.39	3.32	1.58	2.65	0.03	0.12	0.62	0.00
Col29	28	-0.21	21.18	0.47	3.32	-1.91	2.65	0.01	0.14	0.71	0.00
Col29	29	-0.42	21.18	0.47	3.32	-1.91	2.65	0.02	0.14	0.70	0.00
Col29	30	-0.21	21.18	-0.52	3.32	2.11	2.65	0.01	0.16	0.79	0.00
Col29	31	-0.42	21.18	-0.52	3.32	2.11	2.65	0.02	0.16	0.78	0.00
Col29	32	-0.21	21.18	-0.52	3.32	2.11	2.65	0.01	0.16	0.79	0.00
Col29	33	-0.42	21.18	-0.52	3.32	2.11	2.65	0.02	0.16	0.78	0.00
Col29	34	-0.05	21.18	-0.52	3.32	2.11	2.65	0.00	0.16	0.80	0.00
Col29	35	-0.26	21.18	-0.52	3.32	2.11	2.65	0.01	0.16	0.79	0.00
Col29	36	0.14	7.45	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col29	37	0.14	7.45	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col29	38	0.66	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col29	39	0.66	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col29	40	0.58	7.45	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col29	41	0.58	7.45	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col29	42	0.58	7.45	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col29	43	0.58	7.45	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col29	44	0.08	7.45	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col29	45	0.08	7.45	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col29	46	0.83	7.45	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00



Col129	47	0.56	7.45	-0.39	3.32	1.58	2.65	0.07	0.12	0.67	0.00
Col129	48	0.40	7.45	-0.39	3.32	1.58	2.65	0.05	0.12	0.65	0.00
Col129	49	0.13	7.45	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col129	50	0.13	7.45	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col129	51	0.09	7.45	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col129	52	0.09	7.45	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col129	53	0.86	7.45	0.00	3.32	0.00	2.65	0.12	0.00	0.12	0.00
Col129	54	0.68	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col129	55	0.68	7.45	-0.39	3.32	1.58	2.65	0.09	0.12	0.69	0.00
Col129	56	0.68	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col130	1	0.83	7.66	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col130	2	0.13	7.66	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col130	3	0.72	7.66	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col130	4	0.72	7.66	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col130	5	0.66	7.66	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col130	6	0.57	7.66	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col130	7	0.57	7.66	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col130	8	-0.18	21.18	0.46	3.32	-1.86	2.65	0.01	0.14	0.69	0.00
Col130	9	-0.40	21.18	0.46	3.32	-1.86	2.65	0.02	0.14	0.68	0.00
Col130	10	-0.18	21.18	-0.53	3.32	2.15	2.65	0.01	0.16	0.80	0.00
Col130	11	-0.40	21.18	-0.53	3.32	2.15	2.65	0.02	0.16	0.79	0.00
Col130	12	-0.18	21.18	-0.53	3.32	2.15	2.65	0.01	0.16	0.80	0.00
Col130	13	-0.40	21.18	-0.53	3.32	2.15	2.65	0.02	0.16	0.79	0.00
Col130	14	-0.02	21.18	-0.53	3.32	2.15	2.65	0.00	0.16	0.81	0.00
Col130	15	-0.23	21.18	-0.53	3.32	2.15	2.65	0.01	0.16	0.80	0.00
Col130	16	0.56	7.66	-0.40	3.32	1.61	2.65	0.07	0.12	0.68	0.00
Col130	17	0.40	7.66	-0.40	3.32	1.61	2.65	0.05	0.12	0.66	0.00
Col130	18	0.43	7.66	-0.40	3.32	1.61	2.65	0.06	0.12	0.66	0.00
Col130	19	0.27	7.66	-0.40	3.32	1.61	2.65	0.04	0.12	0.64	0.00
Col130	20	0.47	7.66	-0.40	3.32	1.61	2.65	0.06	0.12	0.67	0.00
Col130	21	0.31	7.66	-0.40	3.32	1.61	2.65	0.04	0.12	0.65	0.00
Col130	22	0.35	7.66	-0.40	3.32	1.61	2.65	0.05	0.12	0.65	0.00
Col130	23	0.19	7.66	-0.40	3.32	1.61	2.65	0.02	0.12	0.63	0.00
Col130	24	0.47	7.66	-0.40	3.32	1.61	2.65	0.06	0.12	0.67	0.00
Col130	25	0.31	7.66	-0.40	3.32	1.61	2.65	0.04	0.12	0.65	0.00
Col130	26	0.35	7.66	-0.40	3.32	1.61	2.65	0.05	0.12	0.65	0.00
Col130	27	0.19	7.66	-0.40	3.32	1.61	2.65	0.02	0.12	0.63	0.00
Col130	28	-0.21	21.18	0.46	3.32	-1.86	2.65	0.01	0.14	0.69	0.00
Col130	29	-0.42	21.18	0.46	3.32	-1.86	2.65	0.02	0.14	0.68	0.00
Col130	30	-0.21	21.18	-0.53	3.32	2.15	2.65	0.01	0.16	0.80	0.00
Col130	31	-0.42	21.18	-0.53	3.32	2.15	2.65	0.02	0.16	0.79	0.00
Col130	32	-0.21	21.18	-0.53	3.32	2.15	2.65	0.01	0.16	0.80	0.00
Col130	33	-0.42	21.18	-0.53	3.32	2.15	2.65	0.02	0.16	0.79	0.00
Col130	34	-0.05	21.18	-0.53	3.32	2.15	2.65	0.00	0.16	0.81	0.00
Col130	35	-0.26	21.18	-0.53	3.32	2.15	2.65	0.01	0.16	0.80	0.00
Col130	36	0.13	7.66	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col130	37	0.13	7.66	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col130	38	0.66	7.66	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col130	39	0.66	7.66	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col130	40	0.57	7.66	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col130	41	0.57	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col130	42	0.57	7.66	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col130	43	0.57	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col130	44	0.08	7.66	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col130	45	0.08	7.66	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col130	46	0.83	7.66	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col130	47	0.56	7.66	-0.40	3.32	1.61	2.65	0.07	0.12	0.68	0.00
Col130	48	0.40	7.66	-0.40	3.32	1.61	2.65	0.05	0.12	0.66	0.00
Col130	49	0.13	7.66	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col130	50	0.13	7.66	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col130	51	0.09	7.66	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col130	52	0.09	7.66	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col130	53	0.73	7.66	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col130	54	0.58	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col130	55	0.58	7.66	-0.40	3.32	1.61	2.65	0.08	0.12	0.68	0.00

Col130 56 0.58 7.66 0.00 3.32 0.00 2.65 0.08 0.00 0.08 0.00

COLUMN REACTIONS:

Id	Load		In_Plane	Out_Plane
	Id	Vert(k )	Horz(k )	Horz(k )
Col120	1	0.83	0.00	0.00
Col120	2	0.13	0.00	0.00
Col120	3	0.72	0.00	0.00
Col120	4	0.72	0.00	0.00
Col120	5	0.66	0.00	0.00
Col120	6	0.57	0.00	0.00
Col120	7	0.57	0.00	0.00
Col120	8	-0.40	0.00	-0.46
Col120	9	-0.18	0.00	-0.46
Col120	10	-0.40	0.00	0.53
Col120	11	-0.18	0.00	0.53
Col120	12	-0.40	0.00	0.53
Col120	13	-0.18	0.00	0.53
Col120	14	-0.23	0.00	0.53
Col120	15	-0.02	0.00	0.53
Col120	16	0.40	0.00	0.40
Col120	17	0.56	0.00	0.40
Col120	18	0.27	0.00	0.40
Col120	19	0.43	0.00	0.40
Col120	20	0.31	0.00	0.40
Col120	21	0.47	0.00	0.40
Col120	22	0.19	0.00	0.40
Col120	23	0.35	0.00	0.40
Col120	24	0.31	0.00	0.40
Col120	25	0.47	0.00	0.40
Col120	26	0.19	0.00	0.40
Col120	27	0.35	0.00	0.40
Col120	28	-0.42	0.00	-0.46
Col120	29	-0.21	0.00	-0.46
Col120	30	-0.42	0.00	0.53
Col120	31	-0.21	0.00	0.53
Col120	32	-0.42	0.00	0.53
Col120	33	-0.21	0.00	0.53
Col120	34	-0.26	0.00	0.53
Col120	35	-0.05	0.00	0.53
Col120	36	0.13	0.00	0.00
Col120	37	0.13	0.00	0.00
Col120	38	0.66	0.00	0.00
Col120	39	0.66	0.00	0.00
Col120	40	0.57	0.00	0.00
Col120	41	0.57	0.00	0.00
Col120	42	0.57	0.00	0.00
Col120	43	0.57	0.00	0.00
Col120	44	0.08	0.00	0.00
Col120	45	0.08	0.00	0.00
Col120	46	0.83	0.00	0.00
Col120	47	0.40	0.00	0.40
Col120	48	0.56	0.00	0.40
Col120	49	0.13	0.00	0.00
Col120	50	0.13	0.00	0.00
Col120	51	0.09	0.00	0.00
Col120	52	0.09	0.00	0.00
Col120	53	0.73	0.00	0.00
Col120	54	0.58	0.00	0.00
Col120	55	0.58	0.00	0.40
Col120	56	0.58	0.00	0.00
Col121	1	0.83	0.00	0.00
Col121	2	0.13	0.00	0.00

Col21	3	0.72	0.00	0.00
Col21	4	0.72	0.00	0.00
Col21	5	0.66	0.00	0.00
Col21	6	0.57	0.00	0.00
Col21	7	0.57	0.00	0.00
Col21	8	-0.40	0.00	-0.47
Col21	9	-0.18	0.00	-0.47
Col21	10	-0.40	0.00	0.52
Col21	11	-0.18	0.00	0.52
Col21	12	-0.40	0.00	0.52
Col21	13	-0.18	0.00	0.52
Col21	14	-0.23	0.00	0.52
Col21	15	-0.02	0.00	0.52
Col21	16	0.40	0.00	0.39
Col21	17	0.56	0.00	0.39
Col21	18	0.27	0.00	0.39
Col21	19	0.43	0.00	0.39
Col21	20	0.31	0.00	0.39
Col21	21	0.47	0.00	0.39
Col21	22	0.19	0.00	0.39
Col21	23	0.35	0.00	0.39
Col21	24	0.31	0.00	0.39
Col21	25	0.47	0.00	0.39
Col21	26	0.19	0.00	0.39
Col21	27	0.35	0.00	0.39
Col21	28	-0.42	0.00	-0.47
Col21	29	-0.21	0.00	-0.47
Col21	30	-0.42	0.00	0.52
Col21	31	-0.21	0.00	0.52
Col21	32	-0.42	0.00	0.52
Col21	33	-0.21	0.00	0.52
Col21	34	-0.26	0.00	0.52
Col21	35	-0.05	0.00	0.52
Col21	36	0.14	0.00	0.00
Col21	37	0.14	0.00	0.00
Col21	38	0.66	0.00	0.00
Col21	39	0.66	0.00	0.00
Col21	40	0.58	0.00	0.00
Col21	41	0.58	0.00	0.00
Col21	42	0.58	0.00	0.00
Col21	43	0.58	0.00	0.00
Col21	44	0.08	0.00	0.00
Col21	45	0.08	0.00	0.00
Col21	46	0.83	0.00	0.00
Col21	47	0.40	0.00	0.39
Col21	48	0.56	0.00	0.39
Col21	49	0.13	0.00	0.00
Col21	50	0.13	0.00	0.00
Col21	51	0.09	0.00	0.00
Col21	52	0.09	0.00	0.00
Col21	53	0.86	0.00	0.00
Col21	54	0.68	0.00	0.00
Col21	55	0.68	0.00	0.39
Col21	56	0.68	0.00	0.00
Col22	1	0.83	0.00	0.00
Col22	2	0.13	0.00	0.00
Col22	3	0.72	0.00	0.00
Col22	4	0.72	0.00	0.00
Col22	5	0.66	0.00	0.00
Col22	6	0.57	0.00	0.00
Col22	7	0.57	0.00	0.00
Col22	8	-0.40	0.00	-0.47
Col22	9	-0.18	0.00	-0.47
Col22	10	-0.40	0.00	0.52
Col22	11	-0.18	0.00	0.52

Col122	12	-0.40	0.00	0.52
Col122	13	-0.18	0.00	0.52
Col122	14	-0.23	0.00	0.52
Col122	15	-0.02	0.00	0.52
Col122	16	0.40	0.00	0.39
Col122	17	0.56	0.00	0.39
Col122	18	0.27	0.00	0.39
Col122	19	0.43	0.00	0.39
Col122	20	0.31	0.00	0.39
Col122	21	0.47	0.00	0.39
Col122	22	0.19	0.00	0.39
Col122	23	0.35	0.00	0.39
Col122	24	0.31	0.00	0.39
Col122	25	0.47	0.00	0.39
Col122	26	0.19	0.00	0.39
Col122	27	0.35	0.00	0.39
Col122	28	-0.42	0.00	-0.47
Col122	29	-0.21	0.00	-0.47
Col122	30	-0.42	0.00	0.52
Col122	31	-0.21	0.00	0.52
Col122	32	-0.42	0.00	0.52
Col122	33	-0.21	0.00	0.52
Col122	34	-0.26	0.00	0.52
Col122	35	-0.05	0.00	0.52
Col122	36	0.14	0.00	0.00
Col122	37	0.14	0.00	0.00
Col122	38	0.66	0.00	0.00
Col122	39	0.66	0.00	0.00
Col122	40	0.58	0.00	0.00
Col122	41	0.58	0.00	0.00
Col122	42	0.58	0.00	0.00
Col122	43	0.58	0.00	0.00
Col122	44	0.09	0.00	0.00
Col122	45	0.09	0.00	0.00
Col122	46	0.83	0.00	0.00
Col122	47	0.40	0.00	0.39
Col122	48	0.56	0.00	0.39
Col122	49	0.13	0.00	0.00
Col122	50	0.13	0.00	0.00
Col122	51	0.09	0.00	0.00
Col122	52	0.09	0.00	0.00
Col122	53	0.92	0.00	0.00
Col122	54	0.72	0.00	0.00
Col122	55	0.72	0.00	0.39
Col122	56	0.72	0.00	0.00
Col123	1	0.83	0.00	0.00
Col123	2	0.13	0.00	0.00
Col123	3	0.72	0.00	0.00
Col123	4	0.72	0.00	0.00
Col123	5	0.66	0.00	0.00
Col123	6	0.57	0.00	0.00
Col123	7	0.57	0.00	0.00
Col123	8	-0.40	0.00	-0.48
Col123	9	-0.18	0.00	-0.48
Col123	10	-0.40	0.00	0.53
Col123	11	-0.18	0.00	0.53
Col123	12	-0.40	0.00	0.53
Col123	13	-0.18	0.00	0.53
Col123	14	-0.23	0.00	0.53
Col123	15	-0.02	0.00	0.53
Col123	16	0.40	0.00	0.40
Col123	17	0.56	0.00	0.40
Col123	18	0.27	0.00	0.40
Col123	19	0.43	0.00	0.40
Col123	20	0.32	0.00	0.40

Col23	21	0.47	0.00	0.40
Col23	22	0.19	0.00	0.40
Col23	23	0.35	0.00	0.40
Col23	24	0.32	0.00	0.40
Col23	25	0.47	0.00	0.40
Col23	26	0.19	0.00	0.40
Col23	27	0.35	0.00	0.40
Col23	28	-0.42	0.00	-0.48
Col23	29	-0.21	0.00	-0.48
Col23	30	-0.42	0.00	0.53
Col23	31	-0.21	0.00	0.53
Col23	32	-0.42	0.00	0.53
Col23	33	-0.21	0.00	0.53
Col23	34	-0.26	0.00	0.53
Col23	35	-0.05	0.00	0.53
Col23	36	0.14	0.00	0.00
Col23	37	0.14	0.00	0.00
Col23	38	0.66	0.00	0.00
Col23	39	0.66	0.00	0.00
Col23	40	0.58	0.00	0.00
Col23	41	0.58	0.00	0.00
Col23	42	0.58	0.00	0.00
Col23	43	0.58	0.00	0.00
Col23	44	0.09	0.00	0.00
Col23	45	0.09	0.00	0.00
Col23	46	0.83	0.00	0.00
Col23	47	0.40	0.00	0.40
Col23	48	0.56	0.00	0.40
Col23	49	0.13	0.00	0.00
Col23	50	0.13	0.00	0.00
Col23	51	0.09	0.00	0.00
Col23	52	0.09	0.00	0.00
Col23	53	0.92	0.00	0.00
Col23	54	0.72	0.00	0.00
Col23	55	0.72	0.00	0.40
Col23	56	0.72	0.00	0.00
Col24	1	0.83	0.00	0.00
Col24	2	0.13	0.00	0.00
Col24	3	0.72	0.00	0.00
Col24	4	0.72	0.00	0.00
Col24	5	0.66	0.00	0.00
Col24	6	0.57	0.00	0.00
Col24	7	0.57	0.00	0.00
Col24	8	-0.40	0.00	-0.49
Col24	9	-0.18	0.00	-0.49
Col24	10	-0.40	0.00	0.54
Col24	11	-0.18	0.00	0.54
Col24	12	-0.40	0.00	0.54
Col24	13	-0.18	0.00	0.54
Col24	14	-0.23	0.00	0.54
Col24	15	-0.02	0.00	0.54
Col24	16	0.40	0.00	0.40
Col24	17	0.56	0.00	0.40
Col24	18	0.28	0.00	0.40
Col24	19	0.43	0.00	0.40
Col24	20	0.32	0.00	0.40
Col24	21	0.47	0.00	0.40
Col24	22	0.19	0.00	0.40
Col24	23	0.35	0.00	0.40
Col24	24	0.32	0.00	0.40
Col24	25	0.47	0.00	0.40
Col24	26	0.19	0.00	0.40
Col24	27	0.35	0.00	0.40
Col24	28	-0.42	0.00	-0.49
Col24	29	-0.21	0.00	-0.49

Col24	30	-0.42	0.00	0.54
Col24	31	-0.21	0.00	0.54
Col24	32	-0.42	0.00	0.54
Col24	33	-0.21	0.00	0.54
Col24	34	-0.26	0.00	0.54
Col24	35	-0.05	0.00	0.54
Col24	36	0.14	0.00	0.00
Col24	37	0.14	0.00	0.00
Col24	38	0.66	0.00	0.00
Col24	39	0.66	0.00	0.00
Col24	40	0.58	0.00	0.00
Col24	41	0.58	0.00	0.00
Col24	42	0.58	0.00	0.00
Col24	43	0.58	0.00	0.00
Col24	44	0.09	0.00	0.00
Col24	45	0.09	0.00	0.00
Col24	46	0.83	0.00	0.00
Col24	47	0.40	0.00	0.40
Col24	48	0.56	0.00	0.40
Col24	49	0.13	0.00	0.00
Col24	50	0.13	0.00	0.00
Col24	51	0.09	0.00	0.00
Col24	52	0.09	0.00	0.00
Col24	53	0.92	0.00	0.00
Col24	54	0.72	0.00	0.00
Col24	55	0.72	0.00	0.40
Col24	56	0.72	0.00	0.00
Col25	1	0.83	0.00	0.00
Col25	2	0.13	0.00	0.00
Col25	3	0.72	0.00	0.00
Col25	4	0.72	0.00	0.00
Col25	5	0.66	0.00	0.00
Col25	6	0.58	0.00	0.00
Col25	7	0.58	0.00	0.00
Col25	8	-0.28	0.00	0.00
Col25	9	-0.28	0.00	0.00
Col25	10	-0.28	0.00	0.00
Col25	11	-0.28	0.00	0.00
Col25	12	-0.28	0.00	0.00
Col25	13	-0.28	0.00	0.00
Col25	14	-0.12	0.00	0.00
Col25	15	-0.12	0.00	0.00
Col25	16	0.48	0.00	0.00
Col25	17	0.48	0.00	0.00
Col25	18	0.36	0.00	0.00
Col25	19	0.36	0.00	0.00
Col25	20	0.40	0.00	0.00
Col25	21	0.40	0.00	0.00
Col25	22	0.28	0.00	0.00
Col25	23	0.28	0.00	0.00
Col25	24	0.40	0.00	0.00
Col25	25	0.40	0.00	0.00
Col25	26	0.28	0.00	0.00
Col25	27	0.28	0.00	0.00
Col25	28	-0.31	0.00	0.00
Col25	29	-0.31	0.00	0.00
Col25	30	-0.31	0.00	0.00
Col25	31	-0.31	0.00	0.00
Col25	32	-0.31	0.00	0.00
Col25	33	-0.31	0.00	0.00
Col25	34	-0.15	0.00	0.00
Col25	35	-0.15	0.00	0.00
Col25	36	0.14	0.00	0.00
Col25	37	0.14	0.00	0.00
Col25	38	0.66	0.00	0.00

Col125	39	0.66	0.00	0.00
Col125	40	0.58	0.00	0.00
Col125	41	0.58	0.00	0.00
Col125	42	0.58	0.00	0.00
Col125	43	0.58	0.00	0.00
Col125	44	0.09	0.00	0.00
Col125	45	0.09	0.00	0.00
Col125	46	0.82	0.00	0.00
Col125	47	0.47	0.00	0.00
Col125	48	0.47	0.00	0.00
Col125	49	0.13	0.00	0.00
Col125	50	0.13	0.00	0.00
Col125	51	0.09	0.00	0.00
Col125	52	0.09	0.00	0.00
Col125	53	0.90	0.00	0.00
Col125	54	0.71	0.00	0.00
Col125	55	0.71	0.00	0.00
Col125	56	0.71	0.00	0.00
Col126	1	0.83	0.00	0.00
Col126	2	0.13	0.00	0.00
Col126	3	0.72	0.00	0.00
Col126	4	0.72	0.00	0.00
Col126	5	0.66	0.00	0.00
Col126	6	0.57	0.00	0.00
Col126	7	0.57	0.00	0.00
Col126	8	-0.18	0.00	-0.49
Col126	9	-0.40	0.00	-0.49
Col126	10	-0.18	0.00	0.54
Col126	11	-0.40	0.00	0.54
Col126	12	-0.18	0.00	0.54
Col126	13	-0.40	0.00	0.54
Col126	14	-0.02	0.00	0.54
Col126	15	-0.23	0.00	0.54
Col126	16	0.56	0.00	0.40
Col126	17	0.40	0.00	0.40
Col126	18	0.43	0.00	0.40
Col126	19	0.28	0.00	0.40
Col126	20	0.47	0.00	0.40
Col126	21	0.32	0.00	0.40
Col126	22	0.35	0.00	0.40
Col126	23	0.19	0.00	0.40
Col126	24	0.47	0.00	0.40
Col126	25	0.32	0.00	0.40
Col126	26	0.35	0.00	0.40
Col126	27	0.19	0.00	0.40
Col126	28	-0.21	0.00	-0.49
Col126	29	-0.42	0.00	-0.49
Col126	30	-0.21	0.00	0.54
Col126	31	-0.42	0.00	0.54
Col126	32	-0.21	0.00	0.54
Col126	33	-0.42	0.00	0.54
Col126	34	-0.05	0.00	0.54
Col126	35	-0.26	0.00	0.54
Col126	36	0.14	0.00	0.00
Col126	37	0.14	0.00	0.00
Col126	38	0.66	0.00	0.00
Col126	39	0.66	0.00	0.00
Col126	40	0.58	0.00	0.00
Col126	41	0.58	0.00	0.00
Col126	42	0.58	0.00	0.00
Col126	43	0.58	0.00	0.00
Col126	44	0.09	0.00	0.00
Col126	45	0.09	0.00	0.00
Col126	46	0.83	0.00	0.00
Col126	47	0.56	0.00	0.40

Col26	48	0.40	0.00	0.40
Col26	49	0.13	0.00	0.00
Col26	50	0.13	0.00	0.00
Col26	51	0.09	0.00	0.00
Col26	52	0.09	0.00	0.00
Col26	53	0.92	0.00	0.00
Col26	54	0.72	0.00	0.00
Col26	55	0.72	0.00	0.40
Col26	56	0.72	0.00	0.00
Col27	1	0.83	0.00	0.00
Col27	2	0.13	0.00	0.00
Col27	3	0.72	0.00	0.00
Col27	4	0.72	0.00	0.00
Col27	5	0.66	0.00	0.00
Col27	6	0.57	0.00	0.00
Col27	7	0.57	0.00	0.00
Col27	8	-0.18	0.00	-0.48
Col27	9	-0.40	0.00	-0.48
Col27	10	-0.18	0.00	0.53
Col27	11	-0.40	0.00	0.53
Col27	12	-0.18	0.00	0.53
Col27	13	-0.40	0.00	0.53
Col27	14	-0.02	0.00	0.53
Col27	15	-0.23	0.00	0.53
Col27	16	0.56	0.00	0.40
Col27	17	0.40	0.00	0.40
Col27	18	0.43	0.00	0.40
Col27	19	0.27	0.00	0.40
Col27	20	0.47	0.00	0.40
Col27	21	0.32	0.00	0.40
Col27	22	0.35	0.00	0.40
Col27	23	0.19	0.00	0.40
Col27	24	0.47	0.00	0.40
Col27	25	0.32	0.00	0.40
Col27	26	0.35	0.00	0.40
Col27	27	0.19	0.00	0.40
Col27	28	-0.21	0.00	-0.48
Col27	29	-0.42	0.00	-0.48
Col27	30	-0.21	0.00	0.53
Col27	31	-0.42	0.00	0.53
Col27	32	-0.21	0.00	0.53
Col27	33	-0.42	0.00	0.53
Col27	34	-0.05	0.00	0.53
Col27	35	-0.26	0.00	0.53
Col27	36	0.14	0.00	0.00
Col27	37	0.14	0.00	0.00
Col27	38	0.66	0.00	0.00
Col27	39	0.66	0.00	0.00
Col27	40	0.58	0.00	0.00
Col27	41	0.58	0.00	0.00
Col27	42	0.58	0.00	0.00
Col27	43	0.58	0.00	0.00
Col27	44	0.09	0.00	0.00
Col27	45	0.09	0.00	0.00
Col27	46	0.83	0.00	0.00
Col27	47	0.56	0.00	0.40
Col27	48	0.40	0.00	0.40
Col27	49	0.13	0.00	0.00
Col27	50	0.13	0.00	0.00
Col27	51	0.09	0.00	0.00
Col27	52	0.09	0.00	0.00
Col27	53	0.92	0.00	0.00
Col27	54	0.72	0.00	0.00
Col27	55	0.72	0.00	0.40
Col27	56	0.72	0.00	0.00



Col28	1	0.83	0.00	0.00
Col28	2	0.13	0.00	0.00
Col28	3	0.72	0.00	0.00
Col28	4	0.72	0.00	0.00
Col28	5	0.66	0.00	0.00
Col28	6	0.57	0.00	0.00
Col28	7	0.57	0.00	0.00
Col28	8	-0.18	0.00	-0.47
Col28	9	-0.40	0.00	-0.47
Col28	10	-0.18	0.00	0.52
Col28	11	-0.40	0.00	0.52
Col28	12	-0.18	0.00	0.52
Col28	13	-0.40	0.00	0.52
Col28	14	-0.02	0.00	0.52
Col28	15	-0.23	0.00	0.52
Col28	16	0.56	0.00	0.39
Col28	17	0.40	0.00	0.39
Col28	18	0.43	0.00	0.39
Col28	19	0.27	0.00	0.39
Col28	20	0.47	0.00	0.39
Col28	21	0.31	0.00	0.39
Col28	22	0.35	0.00	0.39
Col28	23	0.19	0.00	0.39
Col28	24	0.47	0.00	0.39
Col28	25	0.31	0.00	0.39
Col28	26	0.35	0.00	0.39
Col28	27	0.19	0.00	0.39
Col28	28	-0.21	0.00	-0.47
Col28	29	-0.42	0.00	-0.47
Col28	30	-0.21	0.00	0.52
Col28	31	-0.42	0.00	0.52
Col28	32	-0.21	0.00	0.52
Col28	33	-0.42	0.00	0.52
Col28	34	-0.05	0.00	0.52
Col28	35	-0.26	0.00	0.52
Col28	36	0.14	0.00	0.00
Col28	37	0.14	0.00	0.00
Col28	38	0.66	0.00	0.00
Col28	39	0.66	0.00	0.00
Col28	40	0.58	0.00	0.00
Col28	41	0.58	0.00	0.00
Col28	42	0.58	0.00	0.00
Col28	43	0.58	0.00	0.00
Col28	44	0.09	0.00	0.00
Col28	45	0.09	0.00	0.00
Col28	46	0.83	0.00	0.00
Col28	47	0.56	0.00	0.39
Col28	48	0.40	0.00	0.39
Col28	49	0.13	0.00	0.00
Col28	50	0.13	0.00	0.00
Col28	51	0.09	0.00	0.00
Col28	52	0.09	0.00	0.00
Col28	53	0.92	0.00	0.00
Col28	54	0.72	0.00	0.00
Col28	55	0.72	0.00	0.39
Col28	56	0.72	0.00	0.00
Col29	1	0.83	0.00	0.00
Col29	2	0.13	0.00	0.00
Col29	3	0.72	0.00	0.00
Col29	4	0.72	0.00	0.00
Col29	5	0.66	0.00	0.00
Col29	6	0.57	0.00	0.00
Col29	7	0.57	0.00	0.00
Col29	8	-0.18	0.00	-0.47
Col29	9	-0.40	0.00	-0.47

Col129	10	-0.18	0.00	0.52
Col129	11	-0.40	0.00	0.52
Col129	12	-0.18	0.00	0.52
Col129	13	-0.40	0.00	0.52
Col129	14	-0.02	0.00	0.52
Col129	15	-0.23	0.00	0.52
Col129	16	0.56	0.00	0.39
Col129	17	0.40	0.00	0.39
Col129	18	0.43	0.00	0.39
Col129	19	0.27	0.00	0.39
Col129	20	0.47	0.00	0.39
Col129	21	0.31	0.00	0.39
Col129	22	0.35	0.00	0.39
Col129	23	0.19	0.00	0.39
Col129	24	0.47	0.00	0.39
Col129	25	0.31	0.00	0.39
Col129	26	0.35	0.00	0.39
Col129	27	0.19	0.00	0.39
Col129	28	-0.21	0.00	-0.47
Col129	29	-0.42	0.00	-0.47
Col129	30	-0.21	0.00	0.52
Col129	31	-0.42	0.00	0.52
Col129	32	-0.21	0.00	0.52
Col129	33	-0.42	0.00	0.52
Col129	34	-0.05	0.00	0.52
Col129	35	-0.26	0.00	0.52
Col129	36	0.14	0.00	0.00
Col129	37	0.14	0.00	0.00
Col129	38	0.66	0.00	0.00
Col129	39	0.66	0.00	0.00
Col129	40	0.58	0.00	0.00
Col129	41	0.58	0.00	0.00
Col129	42	0.58	0.00	0.00
Col129	43	0.58	0.00	0.00
Col129	44	0.08	0.00	0.00
Col129	45	0.08	0.00	0.00
Col129	46	0.83	0.00	0.00
Col129	47	0.56	0.00	0.39
Col129	48	0.40	0.00	0.39
Col129	49	0.13	0.00	0.00
Col129	50	0.13	0.00	0.00
Col129	51	0.09	0.00	0.00
Col129	52	0.09	0.00	0.00
Col129	53	0.86	0.00	0.00
Col129	54	0.68	0.00	0.00
Col129	55	0.68	0.00	0.39
Col129	56	0.68	0.00	0.00
Col130	1	0.83	0.00	0.00
Col130	2	0.13	0.00	0.00
Col130	3	0.72	0.00	0.00
Col130	4	0.72	0.00	0.00
Col130	5	0.66	0.00	0.00
Col130	6	0.57	0.00	0.00
Col130	7	0.57	0.00	0.00
Col130	8	-0.18	0.00	-0.46
Col130	9	-0.40	0.00	-0.46
Col130	10	-0.18	0.00	0.53
Col130	11	-0.40	0.00	0.53
Col130	12	-0.18	0.00	0.53
Col130	13	-0.40	0.00	0.53
Col130	14	-0.02	0.00	0.53
Col130	15	-0.23	0.00	0.53
Col130	16	0.56	0.00	0.40
Col130	17	0.40	0.00	0.40
Col130	18	0.43	0.00	0.40

Col130	19	0.27	0.00	0.40
Col130	20	0.47	0.00	0.40
Col130	21	0.31	0.00	0.40
Col130	22	0.35	0.00	0.40
Col130	23	0.19	0.00	0.40
Col130	24	0.47	0.00	0.40
Col130	25	0.31	0.00	0.40
Col130	26	0.35	0.00	0.40
Col130	27	0.19	0.00	0.40
Col130	28	-0.21	0.00	-0.46
Col130	29	-0.42	0.00	-0.46
Col130	30	-0.21	0.00	0.53
Col130	31	-0.42	0.00	0.53
Col130	32	-0.21	0.00	0.53
Col130	33	-0.42	0.00	0.53
Col130	34	-0.05	0.00	0.53
Col130	35	-0.26	0.00	0.53
Col130	36	0.13	0.00	0.00
Col130	37	0.13	0.00	0.00
Col130	38	0.66	0.00	0.00
Col130	39	0.66	0.00	0.00
Col130	40	0.57	0.00	0.00
Col130	41	0.57	0.00	0.00
Col130	42	0.57	0.00	0.00
Col130	43	0.57	0.00	0.00
Col130	44	0.08	0.00	0.00
Col130	45	0.08	0.00	0.00
Col130	46	0.83	0.00	0.00
Col130	47	0.56	0.00	0.40
Col130	48	0.40	0.00	0.40
Col130	49	0.13	0.00	0.00
Col130	50	0.13	0.00	0.00
Col130	51	0.09	0.00	0.00
Col130	52	0.09	0.00	0.00
Col130	53	0.73	0.00	0.00
Col130	54	0.58	0.00	0.00
Col130	55	0.58	0.00	0.40
Col130	56	0.58	0.00	0.00

COLUMN DEFLECTIONS:

Id	Load	Deflection (in)	
	Id	Calc	Limit
Col120	1	0.00	1.08
Col120	2	0.00	1.08
Col120	3	0.00	1.08
Col120	4	0.00	1.08
Col120	5	0.00	1.08
Col120	6	0.00	1.08
Col120	7	0.00	1.08
Col120	8	-0.70	1.08
Col120	9	-0.70	1.08
Col120	10	0.81	1.08
Col120	11	0.81	1.08
Col120	12	0.81	1.08
Col120	13	0.81	1.08
Col120	14	0.81	1.08
Col120	15	0.81	1.08
Col120	16	0.60	1.08
Col120	17	0.60	1.08
Col120	18	0.60	1.08
Col120	19	0.60	1.08
Col120	20	0.60	1.08
Col120	21	0.60	1.08

Col120	22	0.60	1.08
Col120	23	0.60	1.08
Col120	24	0.60	1.08
Col120	25	0.60	1.08
Col120	26	0.60	1.08
Col120	27	0.60	1.08
Col120	28	-0.70	1.08
Col120	29	-0.70	1.08
Col120	30	0.81	1.08
Col120	31	0.81	1.08
Col120	32	0.81	1.08
Col120	33	0.81	1.08
Col120	34	0.81	1.08
Col120	35	0.81	1.08
Col120	36	0.00	1.08
Col120	37	0.00	1.08
Col120	38	0.00	1.08
Col120	39	0.00	1.08
Col120	40	0.00	1.08
Col120	41	0.00	1.08
Col120	42	0.00	1.08
Col120	43	0.00	1.08
Col120	44	0.00	1.08
Col120	45	0.00	1.08
Col120	46	0.00	1.08
Col120	47	0.36	1.08
Col120	48	0.36	1.08
Col120	49	0.00	1.08
Col120	50	0.00	1.08
Col120	51	0.60	1.08
Col120	52	0.00	1.08
Col121	1	0.00	1.09
Col121	2	0.00	1.09
Col121	3	0.00	1.09
Col121	4	0.00	1.09
Col121	5	0.00	1.09
Col121	6	0.00	1.09
Col121	7	0.00	1.09
Col121	8	-0.74	1.09
Col121	9	-0.74	1.09
Col121	10	0.81	1.09
Col121	11	0.81	1.09
Col121	12	0.81	1.09
Col121	13	0.81	1.09
Col121	14	0.81	1.09
Col121	15	0.81	1.09
Col121	16	0.61	1.09
Col121	17	0.61	1.09
Col121	18	0.61	1.09
Col121	19	0.61	1.09
Col121	20	0.61	1.09
Col121	21	0.61	1.09
Col121	22	0.61	1.09
Col121	23	0.61	1.09
Col121	24	0.61	1.09
Col121	25	0.61	1.09
Col121	26	0.61	1.09
Col121	27	0.61	1.09
Col121	28	-0.74	1.09
Col121	29	-0.74	1.09
Col121	30	0.81	1.09
Col121	31	0.81	1.09
Col121	32	0.81	1.09
Col121	33	0.81	1.09
Col121	34	0.81	1.09

Col21	35	0.81	1.09
Col21	36	0.00	1.09
Col21	37	0.00	1.09
Col21	38	0.00	1.09
Col21	39	0.00	1.09
Col21	40	0.00	1.09
Col21	41	0.00	1.09
Col21	42	0.00	1.09
Col21	43	0.00	1.09
Col21	44	0.00	1.09
Col21	45	0.00	1.09
Col21	46	0.00	1.09
Col21	47	0.37	1.09
Col21	48	0.37	1.09
Col21	49	0.00	1.09
Col21	50	0.00	1.09
Col21	51	0.61	1.09
Col21	52	0.00	1.09
Col22	1	0.00	1.10
Col22	2	0.00	1.10
Col22	3	0.00	1.10
Col22	4	0.00	1.10
Col22	5	0.00	1.10
Col22	6	0.00	1.10
Col22	7	0.00	1.10
Col22	8	-0.77	1.10
Col22	9	-0.77	1.10
Col22	10	0.86	1.10
Col22	11	0.86	1.10
Col22	12	0.86	1.10
Col22	13	0.86	1.10
Col22	14	0.86	1.10
Col22	15	0.86	1.10
Col22	16	0.64	1.10
Col22	17	0.64	1.10
Col22	18	0.64	1.10
Col22	19	0.64	1.10
Col22	20	0.64	1.10
Col22	21	0.64	1.10
Col22	22	0.64	1.10
Col22	23	0.64	1.10
Col22	24	0.64	1.10
Col22	25	0.64	1.10
Col22	26	0.64	1.10
Col22	27	0.64	1.10
Col22	28	-0.77	1.10
Col22	29	-0.77	1.10
Col22	30	0.86	1.10
Col22	31	0.86	1.10
Col22	32	0.86	1.10
Col22	33	0.86	1.10
Col22	34	0.86	1.10
Col22	35	0.86	1.10
Col22	36	0.00	1.10
Col22	37	0.00	1.10
Col22	38	0.00	1.10
Col22	39	0.00	1.10
Col22	40	0.00	1.10
Col22	41	0.00	1.10
Col22	42	0.00	1.10
Col22	43	0.00	1.10
Col22	44	0.00	1.10
Col22	45	0.00	1.10
Col22	46	0.00	1.10
Col22	47	0.39	1.10

Col22	48	0.39	1.10
Col22	49	0.00	1.10
Col22	50	0.00	1.10
Col22	51	0.64	1.10
Col22	52	0.00	1.10
Col23	1	0.00	1.12
Col23	2	0.00	1.12
Col23	3	0.00	1.12
Col23	4	0.00	1.12
Col23	5	0.00	1.12
Col23	6	0.00	1.12
Col23	7	0.00	1.12
Col23	8	-0.81	1.12
Col23	9	-0.81	1.12
Col23	10	0.90	1.12
Col23	11	0.90	1.12
Col23	12	0.90	1.12
Col23	13	0.90	1.12
Col23	14	0.90	1.12
Col23	15	0.90	1.12
Col23	16	0.67	1.12
Col23	17	0.67	1.12
Col23	18	0.67	1.12
Col23	19	0.67	1.12
Col23	20	0.67	1.12
Col23	21	0.67	1.12
Col23	22	0.67	1.12
Col23	23	0.67	1.12
Col23	24	0.67	1.12
Col23	25	0.67	1.12
Col23	26	0.67	1.12
Col23	27	0.67	1.12
Col23	28	-0.81	1.12
Col23	29	-0.81	1.12
Col23	30	0.90	1.12
Col23	31	0.90	1.12
Col23	32	0.90	1.12
Col23	33	0.90	1.12
Col23	34	0.90	1.12
Col23	35	0.90	1.12
Col23	36	0.00	1.12
Col23	37	0.00	1.12
Col23	38	0.00	1.12
Col23	39	0.00	1.12
Col23	40	0.00	1.12
Col23	41	0.00	1.12
Col23	42	0.00	1.12
Col23	43	0.00	1.12
Col23	44	0.00	1.12
Col23	45	0.00	1.12
Col23	46	0.00	1.12
Col23	47	0.40	1.12
Col23	48	0.40	1.12
Col23	49	0.00	1.12
Col23	50	0.00	1.12
Col23	51	0.67	1.12
Col23	52	0.00	1.12
Col24	1	0.00	1.13
Col24	2	0.00	1.13
Col24	3	0.00	1.13
Col24	4	0.00	1.13
Col24	5	0.00	1.13
Col24	6	0.00	1.13
Col24	7	0.00	1.13
Col24	8	-0.86	1.13

Col24	9	-0.86	1.13
Col24	10	0.95	1.13
Col24	11	0.95	1.13
Col24	12	0.95	1.13
Col24	13	0.95	1.13
Col24	14	0.95	1.13
Col24	15	0.95	1.13
Col24	16	0.71	1.13
Col24	17	0.71	1.13
Col24	18	0.71	1.13
Col24	19	0.71	1.13
Col24	20	0.71	1.13
Col24	21	0.71	1.13
Col24	22	0.71	1.13
Col24	23	0.71	1.13
Col24	24	0.71	1.13
Col24	25	0.71	1.13
Col24	26	0.71	1.13
Col24	27	0.71	1.13
Col24	28	-0.86	1.13
Col24	29	-0.86	1.13
Col24	30	0.95	1.13
Col24	31	0.95	1.13
Col24	32	0.95	1.13
Col24	33	0.95	1.13
Col24	34	0.95	1.13
Col24	35	0.95	1.13
Col24	36	0.00	1.13
Col24	37	0.00	1.13
Col24	38	0.00	1.13
Col24	39	0.00	1.13
Col24	40	0.00	1.13
Col24	41	0.00	1.13
Col24	42	0.00	1.13
Col24	43	0.00	1.13
Col24	44	0.00	1.13
Col24	45	0.00	1.13
Col24	46	0.00	1.13
Col24	47	0.43	1.13
Col24	48	0.43	1.13
Col24	49	0.00	1.13
Col24	50	0.00	1.13
Col24	51	0.71	1.13
Col24	52	0.00	1.13
Col25	1	0.00	1.14
Col25	2	0.00	1.14
Col25	3	0.00	1.14
Col25	4	0.00	1.14
Col25	5	0.00	1.14
Col25	6	0.00	1.14
Col25	7	0.00	1.14
Col25	8	0.00	1.14
Col25	9	0.00	1.14
Col25	10	0.00	1.14
Col25	11	0.00	1.14
Col25	12	0.00	1.14
Col25	13	0.00	1.14
Col25	14	0.00	1.14
Col25	15	0.00	1.14
Col25	16	0.00	1.14
Col25	17	0.00	1.14
Col25	18	0.00	1.14
Col25	19	0.00	1.14
Col25	20	0.00	1.14
Col25	21	0.00	1.14

Col25	22	0.00	1.14
Col25	23	0.00	1.14
Col25	24	0.00	1.14
Col25	25	0.00	1.14
Col25	26	0.00	1.14
Col25	27	0.00	1.14
Col25	28	0.00	1.14
Col25	29	0.00	1.14
Col25	30	0.00	1.14
Col25	31	0.00	1.14
Col25	32	0.00	1.14
Col25	33	0.00	1.14
Col25	34	0.00	1.14
Col25	35	0.00	1.14
Col25	36	0.00	1.14
Col25	37	0.00	1.14
Col25	38	0.00	1.14
Col25	39	0.00	1.14
Col25	40	0.00	1.14
Col25	41	0.00	1.14
Col25	42	0.00	1.14
Col25	43	0.00	1.14
Col25	44	0.00	1.14
Col25	45	0.00	1.14
Col25	46	0.00	1.14
Col25	47	0.00	1.14
Col25	48	0.00	1.14
Col25	49	0.00	1.14
Col25	50	0.00	1.14
Col25	51	0.00	1.14
Col25	52	0.00	1.14
Col26	1	0.00	1.13
Col26	2	0.00	1.13
Col26	3	0.00	1.13
Col26	4	0.00	1.13
Col26	5	0.00	1.13
Col26	6	0.00	1.13
Col26	7	0.00	1.13
Col26	8	-0.86	1.13
Col26	9	-0.86	1.13
Col26	10	0.95	1.13
Col26	11	0.95	1.13
Col26	12	0.95	1.13
Col26	13	0.95	1.13
Col26	14	0.95	1.13
Col26	15	0.95	1.13
Col26	16	0.71	1.13
Col26	17	0.71	1.13
Col26	18	0.71	1.13
Col26	19	0.71	1.13
Col26	20	0.71	1.13
Col26	21	0.71	1.13
Col26	22	0.71	1.13
Col26	23	0.71	1.13
Col26	24	0.71	1.13
Col26	25	0.71	1.13
Col26	26	0.71	1.13
Col26	27	0.71	1.13
Col26	28	-0.86	1.13
Col26	29	-0.86	1.13
Col26	30	0.95	1.13
Col26	31	0.95	1.13
Col26	32	0.95	1.13
Col26	33	0.95	1.13
Col26	34	0.95	1.13



Col26	35	0.95	1.13
Col26	36	0.00	1.13
Col26	37	0.00	1.13
Col26	38	0.00	1.13
Col26	39	0.00	1.13
Col26	40	0.00	1.13
Col26	41	0.00	1.13
Col26	42	0.00	1.13
Col26	43	0.00	1.13
Col26	44	0.00	1.13
Col26	45	0.00	1.13
Col26	46	0.00	1.13
Col26	47	0.43	1.13
Col26	48	0.43	1.13
Col26	49	0.00	1.13
Col26	50	0.00	1.13
Col26	51	0.71	1.13
Col26	52	0.00	1.13
Col27	1	0.00	1.12
Col27	2	0.00	1.12
Col27	3	0.00	1.12
Col27	4	0.00	1.12
Col27	5	0.00	1.12
Col27	6	0.00	1.12
Col27	7	0.00	1.12
Col27	8	-0.81	1.12
Col27	9	-0.81	1.12
Col27	10	0.90	1.12
Col27	11	0.90	1.12
Col27	12	0.90	1.12
Col27	13	0.90	1.12
Col27	14	0.90	1.12
Col27	15	0.90	1.12
Col27	16	0.67	1.12
Col27	17	0.67	1.12
Col27	18	0.67	1.12
Col27	19	0.67	1.12
Col27	20	0.67	1.12
Col27	21	0.67	1.12
Col27	22	0.67	1.12
Col27	23	0.67	1.12
Col27	24	0.67	1.12
Col27	25	0.67	1.12
Col27	26	0.67	1.12
Col27	27	0.67	1.12
Col27	28	-0.81	1.12
Col27	29	-0.81	1.12
Col27	30	0.90	1.12
Col27	31	0.90	1.12
Col27	32	0.90	1.12
Col27	33	0.90	1.12
Col27	34	0.90	1.12
Col27	35	0.90	1.12
Col27	36	0.00	1.12
Col27	37	0.00	1.12
Col27	38	0.00	1.12
Col27	39	0.00	1.12
Col27	40	0.00	1.12
Col27	41	0.00	1.12
Col27	42	0.00	1.12
Col27	43	0.00	1.12
Col27	44	0.00	1.12
Col27	45	0.00	1.12
Col27	46	0.00	1.12
Col27	47	0.40	1.12

Col27	48	0.40	1.12
Col27	49	0.00	1.12
Col27	50	0.00	1.12
Col27	51	0.67	1.12
Col27	52	0.00	1.12
Col28	1	0.00	1.10
Col28	2	0.00	1.10
Col28	3	0.00	1.10
Col28	4	0.00	1.10
Col28	5	0.00	1.10
Col28	6	0.00	1.10
Col28	7	0.00	1.10
Col28	8	-0.77	1.10
Col28	9	-0.77	1.10
Col28	10	0.86	1.10
Col28	11	0.86	1.10
Col28	12	0.86	1.10
Col28	13	0.86	1.10
Col28	14	0.86	1.10
Col28	15	0.86	1.10
Col28	16	0.64	1.10
Col28	17	0.64	1.10
Col28	18	0.64	1.10
Col28	19	0.64	1.10
Col28	20	0.64	1.10
Col28	21	0.64	1.10
Col28	22	0.64	1.10
Col28	23	0.64	1.10
Col28	24	0.64	1.10
Col28	25	0.64	1.10
Col28	26	0.64	1.10
Col28	27	0.64	1.10
Col28	28	-0.77	1.10
Col28	29	-0.77	1.10
Col28	30	0.86	1.10
Col28	31	0.86	1.10
Col28	32	0.86	1.10
Col28	33	0.86	1.10
Col28	34	0.86	1.10
Col28	35	0.86	1.10
Col28	36	0.00	1.10
Col28	37	0.00	1.10
Col28	38	0.00	1.10
Col28	39	0.00	1.10
Col28	40	0.00	1.10
Col28	41	0.00	1.10
Col28	42	0.00	1.10
Col28	43	0.00	1.10
Col28	44	0.00	1.10
Col28	45	0.00	1.10
Col28	46	0.00	1.10
Col28	47	0.39	1.10
Col28	48	0.39	1.10
Col28	49	0.00	1.10
Col28	50	0.00	1.10
Col28	51	0.64	1.10
Col28	52	0.00	1.10
Col29	1	0.00	1.09
Col29	2	0.00	1.09
Col29	3	0.00	1.09
Col29	4	0.00	1.09
Col29	5	0.00	1.09
Col29	6	0.00	1.09
Col29	7	0.00	1.09
Col29	8	-0.74	1.09

Col129	9	-0.74	1.09
Col129	10	0.81	1.09
Col129	11	0.81	1.09
Col129	12	0.81	1.09
Col129	13	0.81	1.09
Col129	14	0.81	1.09
Col129	15	0.81	1.09
Col129	16	0.61	1.09
Col129	17	0.61	1.09
Col129	18	0.61	1.09
Col129	19	0.61	1.09
Col129	20	0.61	1.09
Col129	21	0.61	1.09
Col129	22	0.61	1.09
Col129	23	0.61	1.09
Col129	24	0.61	1.09
Col129	25	0.61	1.09
Col129	26	0.61	1.09
Col129	27	0.61	1.09
Col129	28	-0.74	1.09
Col129	29	-0.74	1.09
Col129	30	0.81	1.09
Col129	31	0.81	1.09
Col129	32	0.81	1.09
Col129	33	0.81	1.09
Col129	34	0.81	1.09
Col129	35	0.81	1.09
Col129	36	0.00	1.09
Col129	37	0.00	1.09
Col129	38	0.00	1.09
Col129	39	0.00	1.09
Col129	40	0.00	1.09
Col129	41	0.00	1.09
Col129	42	0.00	1.09
Col129	43	0.00	1.09
Col129	44	0.00	1.09
Col129	45	0.00	1.09
Col129	46	0.00	1.09
Col129	47	0.37	1.09
Col129	48	0.37	1.09
Col129	49	0.00	1.09
Col129	50	0.00	1.09
Col129	51	0.61	1.09
Col129	52	0.00	1.09
Col130	1	0.00	1.08
Col130	2	0.00	1.08
Col130	3	0.00	1.08
Col130	4	0.00	1.08
Col130	5	0.00	1.08
Col130	6	0.00	1.08
Col130	7	0.00	1.08
Col130	8	-0.70	1.08
Col130	9	-0.70	1.08
Col130	10	0.81	1.08
Col130	11	0.81	1.08
Col130	12	0.81	1.08
Col130	13	0.81	1.08
Col130	14	0.81	1.08
Col130	15	0.81	1.08
Col130	16	0.60	1.08
Col130	17	0.60	1.08
Col130	18	0.60	1.08
Col130	19	0.60	1.08
Col130	20	0.60	1.08
Col130	21	0.60	1.08

Col130	22	0.60	1.08
Col130	23	0.60	1.08
Col130	24	0.60	1.08
Col130	25	0.60	1.08
Col130	26	0.60	1.08
Col130	27	0.60	1.08
Col130	28	-0.70	1.08
Col130	29	-0.70	1.08
Col130	30	0.81	1.08
Col130	31	0.81	1.08
Col130	32	0.81	1.08
Col130	33	0.81	1.08
Col130	34	0.81	1.08
Col130	35	0.81	1.08
Col130	36	0.00	1.08
Col130	37	0.00	1.08
Col130	38	0.00	1.08
Col130	39	0.00	1.08
Col130	40	0.00	1.08
Col130	41	0.00	1.08
Col130	42	0.00	1.08
Col130	43	0.00	1.08
Col130	44	0.00	1.08
Col130	45	0.00	1.08
Col130	46	0.00	1.08
Col130	47	0.36	1.08
Col130	48	0.36	1.08
Col130	49	0.00	1.08
Col130	50	0.00	1.08
Col130	51	0.60	1.08
Col130	52	0.00	1.08

COLUMN KL/R RATIO, MOMENT REDUCTION:

Id	Major (ft)	--Minor (ft)--		----KL/R----		Available Reduction Factor	
		Bend	Axial	Major	Minor	Out	In
Col120	16.1	4.1	4.1	84	66	0.00	0.00
Col121	16.3	4.3	4.3	85	70	0.00	0.00
Col122	16.5	4.5	4.5	86	73	0.00	0.00
Col123	16.8	4.8	4.8	87	77	0.00	0.00
Col124	17.0	5.0	5.0	88	80	0.00	0.00
Col125	0.1	5.1	5.1	1	82	0.00	0.00
Col126	17.0	5.0	5.0	88	80	0.00	0.00
Col127	16.8	4.8	4.8	87	77	0.00	0.00
Col128	16.5	4.5	4.5	86	73	0.00	0.00
Col129	16.3	4.3	4.3	85	70	0.00	0.00
Col130	16.1	4.1	4.1	84	66	0.00	0.00

## GIRT LAYOUT:

Bay Id	Girt Id	Locate	Part	Design Length	Available Reduction Factor	
					Out	In
1	1	4.000	6X2C16	4.500	0.00	0.70
	2	8.000	6X2C16	4.500	0.00	0.70
	3	12.000	6X2C16	4.500	0.00	0.70
2	1	4.000	6X2C16	4.500	0.00	0.70
	2	8.000	6X2C16	4.500	0.00	0.70
	3	12.000	6X2C16	4.500	0.00	0.70
3	1	4.000	6X2C16	4.500	0.00	0.70
	2	8.000	6X2C16	4.500	0.00	0.70
	3	12.000	6X2C16	4.500	0.00	0.70
4	1	4.000	6X2C16	4.500	0.00	0.70
	2	8.000	6X2C16	4.500	0.00	0.70
	3	12.000	6X2C16	4.500	0.00	0.70
5	1	4.000	6X2C16	4.500	0.00	0.70
	2	8.000	6X2C16	4.500	0.00	0.70
	3	12.000	6X2C16	4.500	0.00	0.70
6	1	4.000	6X2C16	4.500	0.00	0.70
	2	8.000	6X2C16	4.500	0.00	0.70
	3	12.000	6X2C16	4.500	0.00	0.70
7	1	4.000	6X2C16	4.500	0.00	0.70
	2	8.000	6X2C16	4.500	0.00	0.70
	3	12.000	6X2C16	4.500	0.00	0.70
8	1	4.000	6X2C16	4.500	0.00	0.70
	2	8.000	6X2C16	4.500	0.00	0.70
	3	12.000	6X2C16	4.500	0.00	0.70
9	1	4.000	6X2C16	4.500	0.00	0.70
	2	8.000	6X2C16	4.500	0.00	0.70
	3	12.000	6X2C16	4.500	0.00	0.70
10	1	4.000	6X2C16	4.500	0.00	0.70
	2	8.000	6X2C16	4.500	0.00	0.70
	3	12.000	6X2C16	4.500	0.00	0.70
11	1	4.000	6X2C16	4.500	0.00	0.70
	2	8.000	6X2C16	4.500	0.00	0.70
	3	12.000	6X2C16	4.500	0.00	0.70
12	1	4.000	6X2C16	4.625	0.00	0.70
	2	8.000	6X2C16	4.625	0.00	0.70
	3	12.000	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	-0.10	3.32	-0.12	2.65	0.04	0.00	0.60
		WS	0.12	3.32	0.14	2.65	0.05	0.00	0.60
2	1	WP	-0.10	3.32	-0.12	2.65	0.04	0.00	0.60
		WS	0.11	3.32	0.13	2.65	0.05	0.00	0.60
	3	WP	-0.10	3.32	-0.12	2.65	0.04	0.00	0.60
		WS	0.12	3.32	0.13	2.65	0.05	0.00	0.60
3	1	WP	-0.10	3.32	-0.12	2.65	0.04	0.00	0.60
		WS	0.11	3.32	0.13	2.65	0.05	0.00	0.60
	3	WP	-0.11	3.32	-0.12	2.65	0.05	0.00	0.60
		WS	0.12	3.32	0.13	2.65	0.05	0.00	0.60
4	1	WP	-0.10	3.32	-0.12	2.65	0.04	0.00	0.60
		WS	0.11	3.32	0.13	2.65	0.05	0.00	0.60
	3	WP	-0.11	3.32	-0.12	2.65	0.05	0.00	0.60
		WS	0.12	3.32	0.14	2.65	0.05	0.00	0.60

5	1	WP	-0.10	3.32	-0.12	2.65	0.04	0.00	0.60
		WS	0.11	3.32	0.13	2.65	0.05	0.00	0.60
	3	WP	-0.11	3.32	-0.13	2.65	0.05	0.00	0.60
		WS	0.12	3.32	0.14	2.65	0.05	0.00	0.60
6	1	WP	-0.10	3.32	-0.12	2.65	0.04	0.00	0.60
		WS	0.11	3.32	0.13	2.65	0.05	0.00	0.60
	3	WP	-0.12	3.32	-0.13	2.65	0.05	0.00	0.60
		WS	0.13	3.32	0.14	2.65	0.05	0.00	0.60
7	1	WP	-0.10	3.32	-0.12	2.65	0.04	0.00	0.60
		WS	0.11	3.32	0.13	2.65	0.05	0.00	0.60
	3	WP	-0.12	3.32	-0.13	2.65	0.05	0.00	0.60
		WS	0.13	3.32	0.14	2.65	0.05	0.00	0.60
8	1	WP	-0.10	3.32	-0.12	2.65	0.04	0.00	0.60
		WS	0.11	3.32	0.13	2.65	0.05	0.00	0.60
	3	WP	-0.11	3.32	-0.13	2.65	0.05	0.00	0.60
		WS	0.12	3.32	0.14	2.65	0.05	0.00	0.60
9	1	WP	-0.10	3.32	-0.12	2.65	0.04	0.00	0.60
		WS	0.11	3.32	0.13	2.65	0.05	0.00	0.60
	3	WP	-0.11	3.32	-0.12	2.65	0.05	0.00	0.60
		WS	0.12	3.32	0.14	2.65	0.05	0.00	0.60
10	1	WP	-0.10	3.32	-0.12	2.65	0.04	0.00	0.60
		WS	0.11	3.32	0.13	2.65	0.05	0.00	0.60
	3	WP	-0.11	3.32	-0.12	2.65	0.05	0.00	0.60
		WS	0.12	3.32	0.13	2.65	0.05	0.00	0.60
11	1	WP	-0.10	3.32	-0.12	2.65	0.04	0.00	0.60
		WS	0.11	3.32	0.13	2.65	0.05	0.00	0.60
	3	WP	-0.10	3.32	-0.12	2.65	0.04	0.00	0.60
		WS	0.12	3.32	0.13	2.65	0.05	0.00	0.60
12	1	WP	-0.11	3.32	-0.12	2.65	0.05	0.00	0.62
		WS	0.13	3.32	0.14	2.65	0.05	0.00	0.62
	3	WP	-0.11	3.32	-0.12	2.65	0.05	0.00	0.62
		WS	0.12	3.32	0.14	2.65	0.05	0.00	0.62

WP - Wind\_Pressure

WS - Wind\_Suction

PANEL DATA:

Bay	Part	Type	Gage	Yield
6	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	4.00	WP	0.0	38.1	-17.2	49.1	24.9	38.1	0.65	-0.15	0.80
			WS	0.0	38.1	23.0	38.1	-33.3	49.1	0.68	0.20	0.80
2	4.00	8.00	WP	24.9	38.1	-9.3	49.1	13.6	38.1	0.65	-0.06	0.80
			WS	-33.3	49.1	12.5	38.1	-18.2	49.1	0.68	0.08	0.80
3	8.00	12.00	WP	13.6	38.1	-5.5	49.1	33.8	38.1	0.89	0.00	0.80
			WS	-18.2	49.1	7.3	38.1	-45.2	49.1	0.92	0.00	0.80
4	12.00	16.97	WP	33.8	38.1	-28.5	49.1	0.0	38.1	0.89	-0.41	0.99
			WS	-45.2	49.1	38.0	38.1	0.0	38.1	1.00	0.55	0.99

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	5.60	54.40	6	4.00	4.49	0.059	4.00
2	Lt Edge	0.00	5.60	1	4.00	4.00	0.059	4.00
3	Rt Edge	54.40	60.00	12	4.00	4.00	0.059	4.00

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	18.90	0.08	0.22	0.61	0.77	0.39
2	1.00	18.90	0.08	0.22	0.61	0.77	0.35
3	1.00	18.90	0.08	0.22	0.61	0.77	0.35



WALL LAYOUT:

Wall Id	Orn	Load Width
4	L	2.50

MEMBER LAYOUT:

Id	Locate		---Web (in)---		-Flange (in)-		Length (ft)	Weight (lb)	----Max Load----	
	(ft)	Part	Depth	Thick	Width	Thick			Id	UC Report
Col32	0.0	6X2C16	6.00	16ga	2.00	16ga	15.9	34.8	55	0.10 Mom+Axl
Col33	14.0	6X2C16	6.00	16ga	2.00	16ga	15.9	34.8	1	0.08 Mom+Axl
Col34	28.0	6X2C16	6.00	16ga	2.00	16ga	15.9	34.8	1	0.08 Mom+Axl
Col35	42.0	6X2C16	6.00	16ga	2.00	16ga	15.9	34.8	1	0.08 Mom+Axl
Col36	56.0	6X2C16	6.00	16ga	2.00	16ga	15.9	34.8	55	0.10 Mom+Axl
Raf3		PB6EC	6.13	16ga	2.06	16ga	28.0	58.8		
Raf4		PB6EC	6.13	16ga	2.06	16ga	28.0	58.8		
Total=								291.4		

DESIGN ACTIONS/STRENGTH:

Id	Load Id	-Axial(k )-		-Shear(k )-		Moment (f-k )		-----Unity Check-----			
		Calc	Limit	Calc	Limit	Calc	Limit	Axial	Shear	Axial+ Moment	Shear+ Moment
Col32	1	0.44	7.84	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col32	2	0.09	7.84	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col32	3	0.39	7.84	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col32	4	0.39	7.84	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col32	5	0.36	7.84	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col32	6	0.31	7.84	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col32	7	0.31	7.84	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col32	8	-0.17	21.18	0.05	3.32	-0.18	2.65	0.01	0.01	0.06	0.00
Col32	9	-0.07	21.18	0.05	3.32	-0.18	2.65	0.00	0.01	0.07	0.00
Col32	10	-0.17	21.18	-0.05	3.32	0.21	2.65	0.01	0.02	0.07	0.00
Col32	11	-0.07	21.18	-0.05	3.32	0.21	2.65	0.00	0.02	0.08	0.00
Col32	12	-0.17	21.18	-0.05	3.32	0.21	2.65	0.01	0.02	0.07	0.00
Col32	13	-0.07	21.18	-0.05	3.32	0.21	2.65	0.00	0.02	0.08	0.00
Col32	14	-0.09	21.18	-0.05	3.32	0.21	2.65	0.00	0.02	0.08	0.00
Col32	15	0.02	7.84	-0.05	3.32	0.21	2.65	0.00	0.02	0.08	0.00
Col32	16	0.23	7.84	-0.04	3.32	0.16	2.65	0.03	0.01	0.09	0.00
Col32	17	0.31	7.84	-0.04	3.32	0.16	2.65	0.04	0.01	0.10	0.00
Col32	18	0.16	7.84	-0.04	3.32	0.16	2.65	0.02	0.01	0.08	0.00
Col32	19	0.24	7.84	-0.04	3.32	0.16	2.65	0.03	0.01	0.09	0.00
Col32	20	0.18	7.84	-0.04	3.32	0.16	2.65	0.02	0.01	0.08	0.00
Col32	21	0.26	7.84	-0.04	3.32	0.16	2.65	0.03	0.01	0.09	0.00
Col32	22	0.12	7.84	-0.04	3.32	0.16	2.65	0.02	0.01	0.08	0.00
Col32	23	0.20	7.84	-0.04	3.32	0.16	2.65	0.03	0.01	0.09	0.00
Col32	24	0.18	7.84	-0.04	3.32	0.16	2.65	0.02	0.01	0.08	0.00
Col32	25	0.26	7.84	-0.04	3.32	0.16	2.65	0.03	0.01	0.09	0.00
Col32	26	0.12	7.84	-0.04	3.32	0.16	2.65	0.02	0.01	0.08	0.00
Col32	27	0.20	7.84	-0.04	3.32	0.16	2.65	0.03	0.01	0.09	0.00
Col32	28	-0.18	21.18	0.05	3.32	-0.18	2.65	0.01	0.01	0.06	0.00
Col32	29	-0.08	21.18	0.05	3.32	-0.18	2.65	0.00	0.01	0.06	0.00
Col32	30	-0.18	21.18	-0.05	3.32	0.21	2.65	0.01	0.02	0.07	0.00
Col32	31	-0.08	21.18	-0.05	3.32	0.21	2.65	0.00	0.02	0.08	0.00
Col32	32	-0.18	21.18	-0.05	3.32	0.21	2.65	0.01	0.02	0.07	0.00
Col32	33	-0.08	21.18	-0.05	3.32	0.21	2.65	0.00	0.02	0.08	0.00

Col132	34	-0.10	21.18	-0.05	3.32	0.21	2.65	0.00	0.02	0.08	0.00
Col132	35	0.00	7.84	-0.05	3.32	0.21	2.65	0.00	0.02	0.08	0.00
Col132	36	0.09	7.84	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col132	37	0.09	7.84	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col132	38	0.36	7.84	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col132	39	0.36	7.84	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col132	40	0.31	7.84	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col132	41	0.31	7.84	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col132	42	0.31	7.84	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col132	43	0.31	7.84	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col132	44	0.07	7.84	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col132	45	0.07	7.84	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col132	46	0.44	7.84	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col132	47	0.23	7.84	-0.04	3.32	0.16	2.65	0.03	0.01	0.09	0.00
Col132	48	0.31	7.84	-0.04	3.32	0.16	2.65	0.04	0.01	0.10	0.00
Col132	49	0.09	7.84	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col132	50	0.09	7.84	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col132	51	0.07	7.84	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col132	52	0.07	7.84	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col132	53	0.39	7.84	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col132	54	0.31	7.84	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col132	55	0.31	7.84	-0.04	3.32	0.16	2.65	0.04	0.01	0.10	0.00
Col132	56	0.31	7.84	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col133	1	0.85	10.49	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col133	2	0.15	10.49	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col133	3	0.74	10.49	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col133	4	0.74	10.49	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col133	5	0.68	10.49	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col133	6	0.59	10.49	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col133	7	0.59	10.49	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col133	8	-0.38	21.18	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col133	9	-0.16	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col133	10	-0.38	21.18	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col133	11	-0.16	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col133	12	-0.38	21.18	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col133	13	-0.16	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col133	14	-0.21	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col133	15	0.00	10.49	0.00	3.32	0.00	2.65	0.00	0.00	0.00	0.00
Col133	16	0.42	10.49	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col133	17	0.58	10.49	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col133	18	0.29	10.49	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col133	19	0.45	10.49	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col133	20	0.33	10.49	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col133	21	0.49	10.49	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col133	22	0.21	10.49	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col133	23	0.37	10.49	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col133	24	0.33	10.49	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col133	25	0.49	10.49	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col133	26	0.21	10.49	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col133	27	0.37	10.49	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col133	28	-0.40	21.18	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col133	29	-0.19	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col133	30	-0.40	21.18	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col133	31	-0.19	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col133	32	-0.40	21.18	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col133	33	-0.19	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col133	34	-0.24	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col133	35	-0.03	21.18	0.00	3.32	0.00	2.65	0.00	0.00	0.00	0.00
Col133	36	0.15	10.49	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col133	37	0.15	10.49	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col133	38	0.68	10.49	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col133	39	0.68	10.49	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col133	40	0.59	10.49	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col133	41	0.59	10.49	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col133	42	0.59	10.49	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00





Col36	5	0.36	7.84	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col36	6	0.31	7.84	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col36	7	0.31	7.84	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col36	8	-0.17	21.18	0.05	3.32	-0.18	2.65	0.01	0.01	0.06	0.00
Col36	9	-0.07	21.18	0.05	3.32	-0.18	2.65	0.00	0.01	0.07	0.00
Col36	10	-0.17	21.18	-0.05	3.32	0.21	2.65	0.01	0.02	0.07	0.00
Col36	11	-0.07	21.18	-0.05	3.32	0.21	2.65	0.00	0.02	0.08	0.00
Col36	12	-0.17	21.18	-0.05	3.32	0.21	2.65	0.01	0.02	0.07	0.00
Col36	13	-0.07	21.18	-0.05	3.32	0.21	2.65	0.00	0.02	0.08	0.00
Col36	14	-0.09	21.18	-0.05	3.32	0.21	2.65	0.00	0.02	0.08	0.00
Col36	15	0.02	7.84	-0.05	3.32	0.21	2.65	0.00	0.02	0.08	0.00
Col36	16	0.23	7.84	-0.04	3.32	0.16	2.65	0.03	0.01	0.09	0.00
Col36	17	0.31	7.84	-0.04	3.32	0.16	2.65	0.04	0.01	0.10	0.00
Col36	18	0.16	7.84	-0.04	3.32	0.16	2.65	0.02	0.01	0.08	0.00
Col36	19	0.24	7.84	-0.04	3.32	0.16	2.65	0.03	0.01	0.09	0.00
Col36	20	0.18	7.84	-0.04	3.32	0.16	2.65	0.02	0.01	0.08	0.00
Col36	21	0.26	7.84	-0.04	3.32	0.16	2.65	0.03	0.01	0.09	0.00
Col36	22	0.12	7.84	-0.04	3.32	0.16	2.65	0.02	0.01	0.08	0.00
Col36	23	0.20	7.84	-0.04	3.32	0.16	2.65	0.03	0.01	0.09	0.00
Col36	24	0.18	7.84	-0.04	3.32	0.16	2.65	0.02	0.01	0.08	0.00
Col36	25	0.26	7.84	-0.04	3.32	0.16	2.65	0.03	0.01	0.09	0.00
Col36	26	0.12	7.84	-0.04	3.32	0.16	2.65	0.02	0.01	0.08	0.00
Col36	27	0.20	7.84	-0.04	3.32	0.16	2.65	0.03	0.01	0.09	0.00
Col36	28	-0.18	21.18	0.05	3.32	-0.18	2.65	0.01	0.01	0.06	0.00
Col36	29	-0.08	21.18	0.05	3.32	-0.18	2.65	0.00	0.01	0.06	0.00
Col36	30	-0.18	21.18	-0.05	3.32	0.21	2.65	0.01	0.02	0.07	0.00
Col36	31	-0.08	21.18	-0.05	3.32	0.21	2.65	0.00	0.02	0.08	0.00
Col36	32	-0.18	21.18	-0.05	3.32	0.21	2.65	0.01	0.02	0.07	0.00
Col36	33	-0.08	21.18	-0.05	3.32	0.21	2.65	0.00	0.02	0.08	0.00
Col36	34	-0.10	21.18	-0.05	3.32	0.21	2.65	0.00	0.02	0.08	0.00
Col36	35	0.00	7.84	-0.05	3.32	0.21	2.65	0.00	0.02	0.08	0.00
Col36	36	0.09	7.84	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col36	37	0.09	7.84	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col36	38	0.36	7.84	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col36	39	0.36	7.84	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col36	40	0.31	7.84	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col36	41	0.31	7.84	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col36	42	0.31	7.84	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col36	43	0.31	7.84	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col36	44	0.07	7.84	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col36	45	0.07	7.84	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col36	46	0.44	7.84	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col36	47	0.23	7.84	-0.04	3.32	0.16	2.65	0.03	0.01	0.09	0.00
Col36	48	0.31	7.84	-0.04	3.32	0.16	2.65	0.04	0.01	0.10	0.00
Col36	49	0.09	7.84	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col36	50	0.09	7.84	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col36	51	0.07	7.84	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col36	52	0.07	7.84	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col36	53	0.39	7.84	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col36	54	0.31	7.84	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col36	55	0.31	7.84	-0.04	3.32	0.16	2.65	0.04	0.01	0.10	0.00
Col36	56	0.31	7.84	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00

Raf3	1	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf3	2	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf3	3	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf3	4	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf3	5	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf3	6	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf3	7	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf3	8	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf3	9	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf3	10	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf3	11	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf3	12	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00



Raf4	22	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	23	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	24	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	25	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	26	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	27	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	28	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	29	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	30	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	31	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	32	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	33	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	34	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	35	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	36	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	37	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	38	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	39	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	40	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	41	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	42	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	43	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	44	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	45	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	46	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	47	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	48	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	49	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	50	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	51	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	52	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	53	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	54	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	55	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	56	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00

COLUMN REACTIONS:

Id	Load		In_Plane Horz(k )	Out_Plane Horz(k )
	Id	Vert(k )		
Col32	1	0.44	0.00	0.00
Col32	2	0.09	0.00	0.00
Col32	3	0.39	0.00	0.00
Col32	4	0.39	0.00	0.00
Col32	5	0.36	0.00	0.00
Col32	6	0.31	0.00	0.00
Col32	7	0.31	0.00	0.00
Col32	8	-0.17	0.00	-0.05
Col32	9	-0.07	0.00	-0.05
Col32	10	-0.17	0.00	0.05
Col32	11	-0.07	0.00	0.05
Col32	12	-0.17	0.00	0.05
Col32	13	-0.07	0.00	0.05
Col32	14	-0.09	0.00	0.05
Col32	15	0.02	0.00	0.05
Col32	16	0.23	0.00	0.04
Col32	17	0.31	0.00	0.04
Col32	18	0.16	0.00	0.04
Col32	19	0.24	0.00	0.04
Col32	20	0.18	0.00	0.04
Col32	21	0.26	0.00	0.04
Col32	22	0.12	0.00	0.04
Col32	23	0.20	0.00	0.04
Col32	24	0.18	0.00	0.04

Col132	25	0.26	0.00	0.04
Col132	26	0.12	0.00	0.04
Col132	27	0.20	0.00	0.04
Col132	28	-0.18	0.00	-0.05
Col132	29	-0.08	0.00	-0.05
Col132	30	-0.18	0.00	0.05
Col132	31	-0.08	0.00	0.05
Col132	32	-0.18	0.00	0.05
Col132	33	-0.08	0.00	0.05
Col132	34	-0.10	0.00	0.05
Col132	35	0.00	0.00	0.05
Col132	36	0.09	0.00	0.00
Col132	37	0.09	0.00	0.00
Col132	38	0.36	0.00	0.00
Col132	39	0.36	0.00	0.00
Col132	40	0.31	0.00	0.00
Col132	41	0.31	0.00	0.00
Col132	42	0.31	0.00	0.00
Col132	43	0.31	0.00	0.00
Col132	44	0.07	0.00	0.00
Col132	45	0.07	0.00	0.00
Col132	46	0.44	0.00	0.00
Col132	47	0.23	0.00	0.04
Col132	48	0.31	0.00	0.04
Col132	49	0.09	0.00	0.00
Col132	50	0.09	0.00	0.00
Col132	51	0.07	0.00	0.00
Col132	52	0.07	0.00	0.00
Col132	53	0.39	0.00	0.00
Col132	54	0.31	0.00	0.00
Col132	55	0.31	0.00	0.04
Col132	56	0.31	0.00	0.00
Col133	1	0.85	0.00	0.00
Col133	2	0.15	0.00	0.00
Col133	3	0.74	0.00	0.00
Col133	4	0.74	0.00	0.00
Col133	5	0.68	0.00	0.00
Col133	6	0.59	0.00	0.00
Col133	7	0.59	0.00	0.00
Col133	8	-0.38	0.00	0.00
Col133	9	-0.16	0.00	0.00
Col133	10	-0.38	0.00	0.00
Col133	11	-0.16	0.00	0.00
Col133	12	-0.38	0.00	0.00
Col133	13	-0.16	0.00	0.00
Col133	14	-0.21	0.00	0.00
Col133	15	0.00	0.00	0.00
Col133	16	0.42	0.00	0.00
Col133	17	0.58	0.00	0.00
Col133	18	0.29	0.00	0.00
Col133	19	0.45	0.00	0.00
Col133	20	0.33	0.00	0.00
Col133	21	0.49	0.00	0.00
Col133	22	0.21	0.00	0.00
Col133	23	0.37	0.00	0.00
Col133	24	0.33	0.00	0.00
Col133	25	0.49	0.00	0.00
Col133	26	0.21	0.00	0.00
Col133	27	0.37	0.00	0.00
Col133	28	-0.40	0.00	0.00
Col133	29	-0.19	0.00	0.00
Col133	30	-0.40	0.00	0.00
Col133	31	-0.19	0.00	0.00
Col133	32	-0.40	0.00	0.00
Col133	33	-0.19	0.00	0.00



Col133	34	-0.24	0.00	0.00
Col133	35	-0.03	0.00	0.00
Col133	36	0.15	0.00	0.00
Col133	37	0.15	0.00	0.00
Col133	38	0.68	0.00	0.00
Col133	39	0.68	0.00	0.00
Col133	40	0.59	0.00	0.00
Col133	41	0.59	0.00	0.00
Col133	42	0.59	0.00	0.00
Col133	43	0.59	0.00	0.00
Col133	44	0.10	0.00	0.00
Col133	45	0.10	0.00	0.00
Col133	46	0.85	0.00	0.00
Col133	47	0.42	0.00	0.00
Col133	48	0.58	0.00	0.00
Col133	49	0.15	0.00	0.00
Col133	50	0.15	0.00	0.00
Col133	51	0.11	0.00	0.00
Col133	52	0.11	0.00	0.00
Col133	53	0.74	0.00	0.00
Col133	54	0.59	0.00	0.00
Col133	55	0.59	0.00	0.00
Col133	56	0.59	0.00	0.00
Col134	1	0.85	0.00	0.00
Col134	2	0.15	0.00	0.00
Col134	3	0.74	0.00	0.00
Col134	4	0.74	0.00	0.00
Col134	5	0.68	0.00	0.00
Col134	6	0.59	0.00	0.00
Col134	7	0.59	0.00	0.00
Col134	8	-0.38	0.00	0.00
Col134	9	-0.16	0.00	0.00
Col134	10	-0.38	0.00	0.00
Col134	11	-0.16	0.00	0.00
Col134	12	-0.38	0.00	0.00
Col134	13	-0.16	0.00	0.00
Col134	14	-0.21	0.00	0.00
Col134	15	0.00	0.00	0.00
Col134	16	0.42	0.00	0.00
Col134	17	0.58	0.00	0.00
Col134	18	0.29	0.00	0.00
Col134	19	0.45	0.00	0.00
Col134	20	0.33	0.00	0.00
Col134	21	0.49	0.00	0.00
Col134	22	0.21	0.00	0.00
Col134	23	0.37	0.00	0.00
Col134	24	0.33	0.00	0.00
Col134	25	0.49	0.00	0.00
Col134	26	0.21	0.00	0.00
Col134	27	0.37	0.00	0.00
Col134	28	-0.40	0.00	0.00
Col134	29	-0.19	0.00	0.00
Col134	30	-0.40	0.00	0.00
Col134	31	-0.19	0.00	0.00
Col134	32	-0.40	0.00	0.00
Col134	33	-0.19	0.00	0.00
Col134	34	-0.24	0.00	0.00
Col134	35	-0.03	0.00	0.00
Col134	36	0.15	0.00	0.00
Col134	37	0.15	0.00	0.00
Col134	38	0.68	0.00	0.00
Col134	39	0.68	0.00	0.00
Col134	40	0.59	0.00	0.00
Col134	41	0.59	0.00	0.00
Col134	42	0.59	0.00	0.00

Col134	43	0.59	0.00	0.00
Col134	44	0.10	0.00	0.00
Col134	45	0.10	0.00	0.00
Col134	46	0.85	0.00	0.00
Col134	47	0.42	0.00	0.00
Col134	48	0.58	0.00	0.00
Col134	49	0.15	0.00	0.00
Col134	50	0.15	0.00	0.00
Col134	51	0.11	0.00	0.00
Col134	52	0.11	0.00	0.00
Col134	53	0.74	0.00	0.00
Col134	54	0.59	0.00	0.00
Col134	55	0.59	0.00	0.00
Col134	56	0.59	0.00	0.00
Col135	1	0.85	0.00	0.00
Col135	2	0.15	0.00	0.00
Col135	3	0.74	0.00	0.00
Col135	4	0.74	0.00	0.00
Col135	5	0.68	0.00	0.00
Col135	6	0.59	0.00	0.00
Col135	7	0.59	0.00	0.00
Col135	8	-0.38	0.00	0.00
Col135	9	-0.16	0.00	0.00
Col135	10	-0.38	0.00	0.00
Col135	11	-0.16	0.00	0.00
Col135	12	-0.38	0.00	0.00
Col135	13	-0.16	0.00	0.00
Col135	14	-0.21	0.00	0.00
Col135	15	0.00	0.00	0.00
Col135	16	0.42	0.00	0.00
Col135	17	0.58	0.00	0.00
Col135	18	0.29	0.00	0.00
Col135	19	0.45	0.00	0.00
Col135	20	0.33	0.00	0.00
Col135	21	0.49	0.00	0.00
Col135	22	0.21	0.00	0.00
Col135	23	0.37	0.00	0.00
Col135	24	0.33	0.00	0.00
Col135	25	0.49	0.00	0.00
Col135	26	0.21	0.00	0.00
Col135	27	0.37	0.00	0.00
Col135	28	-0.40	0.00	0.00
Col135	29	-0.19	0.00	0.00
Col135	30	-0.40	0.00	0.00
Col135	31	-0.19	0.00	0.00
Col135	32	-0.40	0.00	0.00
Col135	33	-0.19	0.00	0.00
Col135	34	-0.24	0.00	0.00
Col135	35	-0.03	0.00	0.00
Col135	36	0.15	0.00	0.00
Col135	37	0.15	0.00	0.00
Col135	38	0.68	0.00	0.00
Col135	39	0.68	0.00	0.00
Col135	40	0.59	0.00	0.00
Col135	41	0.59	0.00	0.00
Col135	42	0.59	0.00	0.00
Col135	43	0.59	0.00	0.00
Col135	44	0.10	0.00	0.00
Col135	45	0.10	0.00	0.00
Col135	46	0.85	0.00	0.00
Col135	47	0.42	0.00	0.00
Col135	48	0.58	0.00	0.00
Col135	49	0.15	0.00	0.00
Col135	50	0.15	0.00	0.00
Col135	51	0.11	0.00	0.00

Col135	52	0.11	0.00	0.00
Col135	53	0.74	0.00	0.00
Col135	54	0.59	0.00	0.00
Col135	55	0.59	0.00	0.00
Col135	56	0.59	0.00	0.00
Col136	1	0.44	0.00	0.00
Col136	2	0.09	0.00	0.00
Col136	3	0.39	0.00	0.00
Col136	4	0.39	0.00	0.00
Col136	5	0.36	0.00	0.00
Col136	6	0.31	0.00	0.00
Col136	7	0.31	0.00	0.00
Col136	8	-0.17	0.00	-0.05
Col136	9	-0.07	0.00	-0.05
Col136	10	-0.17	0.00	0.05
Col136	11	-0.07	0.00	0.05
Col136	12	-0.17	0.00	0.05
Col136	13	-0.07	0.00	0.05
Col136	14	-0.09	0.00	0.05
Col136	15	0.02	0.00	0.05
Col136	16	0.23	0.00	0.04
Col136	17	0.31	0.00	0.04
Col136	18	0.16	0.00	0.04
Col136	19	0.24	0.00	0.04
Col136	20	0.18	0.00	0.04
Col136	21	0.26	0.00	0.04
Col136	22	0.12	0.00	0.04
Col136	23	0.20	0.00	0.04
Col136	24	0.18	0.00	0.04
Col136	25	0.26	0.00	0.04
Col136	26	0.12	0.00	0.04
Col136	27	0.20	0.00	0.04
Col136	28	-0.18	0.00	-0.05
Col136	29	-0.08	0.00	-0.05
Col136	30	-0.18	0.00	0.05
Col136	31	-0.08	0.00	0.05
Col136	32	-0.18	0.00	0.05
Col136	33	-0.08	0.00	0.05
Col136	34	-0.10	0.00	0.05
Col136	35	0.00	0.00	0.05
Col136	36	0.09	0.00	0.00
Col136	37	0.09	0.00	0.00
Col136	38	0.36	0.00	0.00
Col136	39	0.36	0.00	0.00
Col136	40	0.31	0.00	0.00
Col136	41	0.31	0.00	0.00
Col136	42	0.31	0.00	0.00
Col136	43	0.31	0.00	0.00
Col136	44	0.07	0.00	0.00
Col136	45	0.07	0.00	0.00
Col136	46	0.44	0.00	0.00
Col136	47	0.23	0.00	0.04
Col136	48	0.31	0.00	0.04
Col136	49	0.09	0.00	0.00
Col136	50	0.09	0.00	0.00
Col136	51	0.07	0.00	0.00
Col136	52	0.07	0.00	0.00
Col136	53	0.39	0.00	0.00
Col136	54	0.31	0.00	0.00
Col136	55	0.31	0.00	0.04
Col136	56	0.31	0.00	0.00

COLUMN DEFLECTIONS:

Load            Deflection (in)

<u>Id</u>	<u>Id</u>	<u>Calc</u>	<u>Limit</u>
Col132	1	0.00	1.06
Col132	2	0.00	1.06
Col132	3	0.00	1.06
Col132	4	0.00	1.06
Col132	5	0.00	1.06
Col132	6	0.00	1.06
Col132	7	0.00	1.06
Col132	8	-0.07	1.06
Col132	9	-0.07	1.06
Col132	10	0.08	1.06
Col132	11	0.08	1.06
Col132	12	0.08	1.06
Col132	13	0.08	1.06
Col132	14	0.08	1.06
Col132	15	0.08	1.06
Col132	16	0.06	1.06
Col132	17	0.06	1.06
Col132	18	0.06	1.06
Col132	19	0.06	1.06
Col132	20	0.06	1.06
Col132	21	0.06	1.06
Col132	22	0.06	1.06
Col132	23	0.06	1.06
Col132	24	0.06	1.06
Col132	25	0.06	1.06
Col132	26	0.06	1.06
Col132	27	0.06	1.06
Col132	28	-0.07	1.06
Col132	29	-0.07	1.06
Col132	30	0.08	1.06
Col132	31	0.08	1.06
Col132	32	0.08	1.06
Col132	33	0.08	1.06
Col132	34	0.08	1.06
Col132	35	0.08	1.06
Col132	36	0.00	1.06
Col132	37	0.00	1.06
Col132	38	0.00	1.06
Col132	39	0.00	1.06
Col132	40	0.00	1.06
Col132	41	0.00	1.06
Col132	42	0.00	1.06
Col132	43	0.00	1.06
Col132	44	0.00	1.06
Col132	45	0.00	1.06
Col132	46	0.00	1.06
Col132	47	0.03	1.06
Col132	48	0.03	1.06
Col132	49	0.00	1.06
Col132	50	0.00	1.06
Col132	51	0.06	1.06
Col132	52	0.00	1.06
Col133	1	0.00	1.06
Col133	2	0.00	1.06
Col133	3	0.00	1.06
Col133	4	0.00	1.06
Col133	5	0.00	1.06
Col133	6	0.00	1.06
Col133	7	0.00	1.06
Col133	8	0.00	1.06
Col133	9	0.00	1.06
Col133	10	0.00	1.06
Col133	11	0.00	1.06

Col133	12	0.00	1.06
Col133	13	0.00	1.06
Col133	14	0.00	1.06
Col133	15	0.00	1.06
Col133	16	0.00	1.06
Col133	17	0.00	1.06
Col133	18	0.00	1.06
Col133	19	0.00	1.06
Col133	20	0.00	1.06
Col133	21	0.00	1.06
Col133	22	0.00	1.06
Col133	23	0.00	1.06
Col133	24	0.00	1.06
Col133	25	0.00	1.06
Col133	26	0.00	1.06
Col133	27	0.00	1.06
Col133	28	0.00	1.06
Col133	29	0.00	1.06
Col133	30	0.00	1.06
Col133	31	0.00	1.06
Col133	32	0.00	1.06
Col133	33	0.00	1.06
Col133	34	0.00	1.06
Col133	35	0.00	1.06
Col133	36	0.00	1.06
Col133	37	0.00	1.06
Col133	38	0.00	1.06
Col133	39	0.00	1.06
Col133	40	0.00	1.06
Col133	41	0.00	1.06
Col133	42	0.00	1.06
Col133	43	0.00	1.06
Col133	44	0.00	1.06
Col133	45	0.00	1.06
Col133	46	0.00	1.06
Col133	47	0.00	1.06
Col133	48	0.00	1.06
Col133	49	0.00	1.06
Col133	50	0.00	1.06
Col133	51	0.00	1.06
Col133	52	0.00	1.06
Col134	1	0.00	1.06
Col134	2	0.00	1.06
Col134	3	0.00	1.06
Col134	4	0.00	1.06
Col134	5	0.00	1.06
Col134	6	0.00	1.06
Col134	7	0.00	1.06
Col134	8	0.00	1.06
Col134	9	0.00	1.06
Col134	10	0.00	1.06
Col134	11	0.00	1.06
Col134	12	0.00	1.06
Col134	13	0.00	1.06
Col134	14	0.00	1.06
Col134	15	0.00	1.06
Col134	16	0.00	1.06
Col134	17	0.00	1.06
Col134	18	0.00	1.06
Col134	19	0.00	1.06
Col134	20	0.00	1.06
Col134	21	0.00	1.06
Col134	22	0.00	1.06
Col134	23	0.00	1.06
Col134	24	0.00	1.06

Col134	25	0.00	1.06
Col134	26	0.00	1.06
Col134	27	0.00	1.06
Col134	28	0.00	1.06
Col134	29	0.00	1.06
Col134	30	0.00	1.06
Col134	31	0.00	1.06
Col134	32	0.00	1.06
Col134	33	0.00	1.06
Col134	34	0.00	1.06
Col134	35	0.00	1.06
Col134	36	0.00	1.06
Col134	37	0.00	1.06
Col134	38	0.00	1.06
Col134	39	0.00	1.06
Col134	40	0.00	1.06
Col134	41	0.00	1.06
Col134	42	0.00	1.06
Col134	43	0.00	1.06
Col134	44	0.00	1.06
Col134	45	0.00	1.06
Col134	46	0.00	1.06
Col134	47	0.00	1.06
Col134	48	0.00	1.06
Col134	49	0.00	1.06
Col134	50	0.00	1.06
Col134	51	0.00	1.06
Col134	52	0.00	1.06
Col135	1	0.00	1.06
Col135	2	0.00	1.06
Col135	3	0.00	1.06
Col135	4	0.00	1.06
Col135	5	0.00	1.06
Col135	6	0.00	1.06
Col135	7	0.00	1.06
Col135	8	0.00	1.06
Col135	9	0.00	1.06
Col135	10	0.00	1.06
Col135	11	0.00	1.06
Col135	12	0.00	1.06
Col135	13	0.00	1.06
Col135	14	0.00	1.06
Col135	15	0.00	1.06
Col135	16	0.00	1.06
Col135	17	0.00	1.06
Col135	18	0.00	1.06
Col135	19	0.00	1.06
Col135	20	0.00	1.06
Col135	21	0.00	1.06
Col135	22	0.00	1.06
Col135	23	0.00	1.06
Col135	24	0.00	1.06
Col135	25	0.00	1.06
Col135	26	0.00	1.06
Col135	27	0.00	1.06
Col135	28	0.00	1.06
Col135	29	0.00	1.06
Col135	30	0.00	1.06
Col135	31	0.00	1.06
Col135	32	0.00	1.06
Col135	33	0.00	1.06
Col135	34	0.00	1.06
Col135	35	0.00	1.06
Col135	36	0.00	1.06
Col135	37	0.00	1.06

Col135	38	0.00	1.06
Col135	39	0.00	1.06
Col135	40	0.00	1.06
Col135	41	0.00	1.06
Col135	42	0.00	1.06
Col135	43	0.00	1.06
Col135	44	0.00	1.06
Col135	45	0.00	1.06
Col135	46	0.00	1.06
Col135	47	0.00	1.06
Col135	48	0.00	1.06
Col135	49	0.00	1.06
Col135	50	0.00	1.06
Col135	51	0.00	1.06
Col135	52	0.00	1.06
Col136	1	0.00	1.06
Col136	2	0.00	1.06
Col136	3	0.00	1.06
Col136	4	0.00	1.06
Col136	5	0.00	1.06
Col136	6	0.00	1.06
Col136	7	0.00	1.06
Col136	8	-0.07	1.06
Col136	9	-0.07	1.06
Col136	10	0.08	1.06
Col136	11	0.08	1.06
Col136	12	0.08	1.06
Col136	13	0.08	1.06
Col136	14	0.08	1.06
Col136	15	0.08	1.06
Col136	16	0.06	1.06
Col136	17	0.06	1.06
Col136	18	0.06	1.06
Col136	19	0.06	1.06
Col136	20	0.06	1.06
Col136	21	0.06	1.06
Col136	22	0.06	1.06
Col136	23	0.06	1.06
Col136	24	0.06	1.06
Col136	25	0.06	1.06
Col136	26	0.06	1.06
Col136	27	0.06	1.06
Col136	28	-0.07	1.06
Col136	29	-0.07	1.06
Col136	30	0.08	1.06
Col136	31	0.08	1.06
Col136	32	0.08	1.06
Col136	33	0.08	1.06
Col136	34	0.08	1.06
Col136	35	0.08	1.06
Col136	36	0.00	1.06
Col136	37	0.00	1.06
Col136	38	0.00	1.06
Col136	39	0.00	1.06
Col136	40	0.00	1.06
Col136	41	0.00	1.06
Col136	42	0.00	1.06
Col136	43	0.00	1.06
Col136	44	0.00	1.06
Col136	45	0.00	1.06
Col136	46	0.00	1.06
Col136	47	0.03	1.06
Col136	48	0.03	1.06
Col136	49	0.00	1.06
Col136	50	0.00	1.06

Col36	51	0.06	1.06
Col36	52	0.00	1.06

RAFTER DEFLECTIONS:

Id	Load	Deflection (in)	
	Id	Calc	Limit
Raf3	1	0.00	0.93
Raf3	2	0.00	0.93
Raf3	3	0.00	0.93
Raf3	4	0.00	0.93
Raf3	5	0.00	0.93
Raf3	6	0.00	0.93
Raf3	7	0.00	0.93
Raf3	8	0.00	0.93
Raf3	9	0.00	0.93
Raf3	10	0.00	0.93
Raf3	11	0.00	0.93
Raf3	12	0.00	0.93
Raf3	13	0.00	0.93
Raf3	14	0.00	0.93
Raf3	15	0.00	0.93
Raf3	16	0.00	0.93
Raf3	17	0.00	0.93
Raf3	18	0.00	0.93
Raf3	19	0.00	0.93
Raf3	20	0.00	0.93
Raf3	21	0.00	0.93
Raf3	22	0.00	0.93
Raf3	23	0.00	0.93
Raf3	24	0.00	0.93
Raf3	25	0.00	0.93
Raf3	26	0.00	0.93
Raf3	27	0.00	0.93
Raf3	28	0.00	0.93
Raf3	29	0.00	0.93
Raf3	30	0.00	0.93
Raf3	31	0.00	0.93
Raf3	32	0.00	0.93
Raf3	33	0.00	0.93
Raf3	34	0.00	0.93
Raf3	35	0.00	0.93
Raf3	36	0.00	0.93
Raf3	37	0.00	0.93
Raf3	38	0.00	0.93
Raf3	39	0.00	0.93
Raf3	40	0.00	0.93
Raf3	41	0.00	0.93
Raf3	42	0.00	0.93
Raf3	43	0.00	0.93
Raf3	44	0.00	0.93
Raf3	45	0.00	0.93
Raf3	46	0.00	0.93
Raf3	47	0.00	0.93
Raf3	48	0.00	0.93
Raf3	49	0.00	0.93
Raf3	50	0.00	0.93
Raf3	51	0.00	0.93
Raf3	52	0.00	0.93
Raf4	1	0.00	0.93
Raf4	2	0.00	0.93
Raf4	3	0.00	0.93
Raf4	4	0.00	0.93
Raf4	5	0.00	0.93



Raf4	6	0.00	0.93
Raf4	7	0.00	0.93
Raf4	8	0.00	0.93
Raf4	9	0.00	0.93
Raf4	10	0.00	0.93
Raf4	11	0.00	0.93
Raf4	12	0.00	0.93
Raf4	13	0.00	0.93
Raf4	14	0.00	0.93
Raf4	15	0.00	0.93
Raf4	16	0.00	0.93
Raf4	17	0.00	0.93
Raf4	18	0.00	0.93
Raf4	19	0.00	0.93
Raf4	20	0.00	0.93
Raf4	21	0.00	0.93
Raf4	22	0.00	0.93
Raf4	23	0.00	0.93
Raf4	24	0.00	0.93
Raf4	25	0.00	0.93
Raf4	26	0.00	0.93
Raf4	27	0.00	0.93
Raf4	28	0.00	0.93
Raf4	29	0.00	0.93
Raf4	30	0.00	0.93
Raf4	31	0.00	0.93
Raf4	32	0.00	0.93
Raf4	33	0.00	0.93
Raf4	34	0.00	0.93
Raf4	35	0.00	0.93
Raf4	36	0.00	0.93
Raf4	37	0.00	0.93
Raf4	38	0.00	0.93
Raf4	39	0.00	0.93
Raf4	40	0.00	0.93
Raf4	41	0.00	0.93
Raf4	42	0.00	0.93
Raf4	43	0.00	0.93
Raf4	44	0.00	0.93
Raf4	45	0.00	0.93
Raf4	46	0.00	0.93
Raf4	47	0.00	0.93
Raf4	48	0.00	0.93
Raf4	49	0.00	0.93
Raf4	50	0.00	0.93
Raf4	51	0.00	0.93
Raf4	52	0.00	0.93

COLUMN KL/R RATIO, MOMENT REDUCTION:

Id	Major (ft)	--Minor (ft)--		----KL/R----		Available Reduction Factor	
		Bend	Axial	Major	Minor	Out	In
Col32	15.9	4.0	4.0	82	64	0.00	0.00
Col33	0.1	4.0	4.0	1	64	0.00	0.00
Col34	0.1	4.0	4.0	1	64	0.00	0.00
Col35	0.1	4.0	4.0	1	64	0.00	0.00
Col36	15.9	4.0	4.0	82	64	0.00	0.00

## JAMB/HEADER LAYOUT:

Bay Id	Id	Part	Length	Weight
1	JambL	PBMJ6	15.88	55.3
	JambR	PBMJ6	15.88	55.3
	Header	6X25C16	12.00	28.1
2	JambL	PBMJ6	15.88	55.3
	JambR	PBMJ6	15.88	55.3
	Header	6X25C16	12.00	28.1
3	JambL	PBMJ6	15.88	55.3
	JambR	PBMJ6	15.88	55.3
	Header	6X25C16	12.00	28.1
4	JambL	PBMJ6	15.88	55.3
	JambR	PBMJ6	15.88	55.3
	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	-2.35	3.90	0.60	-0.27	2.12
		WS	0.69	5.26	2.73	3.90	0.70	0.32	2.12
	JambR	WP	-0.59	5.26	-2.35	3.90	0.60	-0.27	2.12
		WS	0.65	5.26	2.59	3.90	0.66	0.30	2.12
	Header	WP	-0.06	3.86	-0.19	0.98	0.20	-0.02	1.60
		WS	0.07	3.86	0.22	1.93	0.11	0.02	1.60
2	JambL	WP	-0.59	5.26	-2.35	3.90	0.60	-0.27	2.12
		WS	0.65	5.26	2.59	3.90	0.66	0.30	2.12
	JambR	WP	-0.59	5.26	-2.35	3.90	0.60	-0.27	2.12
		WS	0.65	5.26	2.59	3.90	0.66	0.30	2.12
	Header	WP	-0.06	3.86	-0.19	0.98	0.20	-0.02	1.60
		WS	0.07	3.86	0.21	1.93	0.11	0.02	1.60
3	JambL	WP	-0.59	5.26	-2.35	3.90	0.60	-0.27	2.12
		WS	0.65	5.26	2.59	3.90	0.66	0.30	2.12
	JambR	WP	-0.59	5.26	-2.35	3.90	0.60	-0.27	2.12
		WS	0.65	5.26	2.59	3.90	0.66	0.30	2.12
	Header	WP	-0.06	3.86	-0.19	0.98	0.20	-0.02	1.60
		WS	0.07	3.86	0.21	1.93	0.11	0.02	1.60
4	JambL	WP	-0.59	5.26	-2.35	3.90	0.60	-0.27	2.12
		WS	0.65	5.26	2.59	3.90	0.66	0.30	2.12
	JambR	WP	-0.59	5.26	-2.35	3.90	0.60	-0.27	2.12
		WS	0.69	5.26	2.73	3.90	0.70	0.32	2.12
	Header	WP	-0.06	3.86	-0.19	0.98	0.20	-0.02	1.60
		WS	0.07	3.86	0.22	1.93	0.11	0.02	1.60

WP - Wind\_Pressure

WS - Wind\_Suction

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	14.00	15.88	WP	0.0	49.1	-6.2	49.1	0.0	38.1	0.13	-0.02	0.38
			WS	0.0	38.1	8.3	38.1	0.0	38.1	0.22	0.02	0.38

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	5.60	50.40	1	4.00	4.00	0.000	4.00
2	Lt Edge	0.00	5.60	1	4.00	4.00	0.000	4.00
3	Rt Edge	50.40	56.00	4	4.00	4.00	0.000	4.00

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	18.90	0.08				
2	1.00	18.90	0.08				
3	1.00	18.90	0.08				

WALL LAYOUT:

Wall Id	Orn	LeftEW Offset	BackSW Offset	Wall Length	Load Width
6	T	14.00	0.00	60.00	14.00

MEMBER LAYOUT:

Id	Locate (ft)	Part	---Web (in)--- Depth	---Flange (in)--- Thick	Width	Thick	Length (ft)	Weight (lb)	----Max_Load----	Id	UC	Report
Col38	5.0	6X2C16	6.00	16ga	2.00	16ga	16.1	35.3	55	0.37	Mom+Axl	
Col39	10.0	6X2C16	6.00	16ga	2.00	16ga	16.3	35.8	55	0.40	Mom+Axl	
Col40	15.0	6X2C16	6.00	16ga	2.00	16ga	16.5	36.2	55	0.42	Mom+Axl	
Col41	20.0	6X2C16	6.00	16ga	2.00	16ga	16.8	36.7	55	0.42	Mom+Axl	
Col42	25.0	6X2C16	6.00	16ga	2.00	16ga	17.0	37.1	55	0.43	Mom+Axl	
Col43	30.0	6X2C16	6.00	16ga	2.00	16ga	17.1	37.4	55	0.44	Mom+Axl	
Col44	35.0	6X2C16	6.00	16ga	2.00	16ga	17.0	37.1	55	0.43	Mom+Axl	
Col45	40.0	6X2C16	6.00	16ga	2.00	16ga	16.8	36.7	55	0.42	Mom+Axl	
Col46	45.0	6X2C16	6.00	16ga	2.00	16ga	16.5	36.2	55	0.42	Mom+Axl	
Col47	50.0	6X2C16	6.00	16ga	2.00	16ga	16.3	35.8	55	0.40	Mom+Axl	
Col48	55.0	6X2C16	6.00	16ga	2.00	16ga	16.1	35.3	55	0.37	Mom+Axl	
Total=								399.7				

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+
Col38	1	1.62	8.65	0.00	3.32	0.00	3.07	0.19	0.00	0.19	0.00
Col38	2	0.22	8.65	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col38	3	1.40	8.65	0.00	3.32	0.00	3.07	0.16	0.00	0.16	0.00
Col38	4	1.40	8.65	0.00	3.32	0.00	3.07	0.16	0.00	0.16	0.00
Col38	5	1.27	8.65	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col38	6	1.10	8.65	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col38	7	1.10	8.65	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col38	8	-0.84	21.18	0.24	3.32	-0.98	3.07	0.04	0.07	0.28	0.00
Col38	9	-0.41	21.18	0.24	3.32	-0.98	3.07	0.02	0.07	0.30	0.00
Col38	10	-0.84	21.18	-0.24	3.32	0.98	3.07	0.04	0.07	0.28	0.00
Col38	11	-0.41	21.18	-0.24	3.32	0.98	3.07	0.02	0.07	0.30	0.00
Col38	12	-0.84	21.18	-0.24	3.32	0.98	3.07	0.04	0.07	0.28	0.00
Col38	13	-0.41	21.18	-0.24	3.32	0.98	3.07	0.02	0.07	0.30	0.00
Col38	14	-0.51	21.18	-0.24	3.32	0.98	3.07	0.02	0.07	0.29	0.00
Col38	15	-0.08	21.18	-0.24	3.32	0.98	3.07	0.00	0.07	0.31	0.00
Col38	16	0.75	8.65	-0.18	3.32	0.73	3.07	0.09	0.05	0.32	0.00
Col38	17	1.07	8.65	-0.18	3.32	0.73	3.07	0.12	0.05	0.36	0.00
Col38	18	0.50	8.65	-0.18	3.32	0.73	3.07	0.06	0.05	0.30	0.00
Col38	19	0.82	8.65	-0.18	3.32	0.73	3.07	0.09	0.05	0.33	0.00
Col38	20	0.58	8.65	-0.18	3.32	0.73	3.07	0.07	0.05	0.31	0.00
Col38	21	0.90	8.65	-0.18	3.32	0.73	3.07	0.10	0.05	0.34	0.00
Col38	22	0.33	8.65	-0.18	3.32	0.73	3.07	0.04	0.05	0.28	0.00
Col38	23	0.65	8.65	-0.18	3.32	0.73	3.07	0.08	0.05	0.31	0.00
Col38	24	0.58	8.65	-0.18	3.32	0.73	3.07	0.07	0.05	0.31	0.00
Col38	25	0.90	8.65	-0.18	3.32	0.73	3.07	0.10	0.05	0.34	0.00
Col38	26	0.33	8.65	-0.18	3.32	0.73	3.07	0.04	0.05	0.28	0.00
Col38	27	0.65	8.65	-0.18	3.32	0.73	3.07	0.08	0.05	0.31	0.00
Col38	28	-0.89	21.18	0.24	3.32	-0.98	3.07	0.04	0.07	0.28	0.00
Col38	29	-0.47	21.18	0.24	3.32	-0.98	3.07	0.02	0.07	0.30	0.00
Col38	30	-0.89	21.18	-0.24	3.32	0.98	3.07	0.04	0.07	0.28	0.00

Col138	31	-0.47	21.18	-0.24	3.32	0.98	3.07	0.02	0.07	0.30	0.00
Col138	32	-0.89	21.18	-0.24	3.32	0.98	3.07	0.04	0.07	0.28	0.00
Col138	33	-0.47	21.18	-0.24	3.32	0.98	3.07	0.02	0.07	0.30	0.00
Col138	34	-0.56	21.18	-0.24	3.32	0.98	3.07	0.03	0.07	0.29	0.00
Col138	35	-0.14	21.18	-0.24	3.32	0.98	3.07	0.01	0.07	0.31	0.00
Col138	36	0.22	8.65	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col138	37	0.22	8.65	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col138	38	1.27	8.65	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col138	39	1.27	8.65	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col138	40	1.11	8.65	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col138	41	1.11	8.65	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col138	42	1.11	8.65	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col138	43	1.11	8.65	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col138	44	0.12	8.65	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col138	45	0.12	8.65	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col138	46	1.62	8.65	0.00	3.32	0.00	3.07	0.19	0.00	0.19	0.00
Col138	47	0.75	8.65	-0.18	3.32	0.73	3.07	0.09	0.05	0.33	0.00
Col138	48	1.07	8.65	-0.18	3.32	0.73	3.07	0.12	0.05	0.36	0.00
Col138	49	0.22	8.65	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col138	50	0.22	8.65	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col138	51	0.13	8.65	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col138	52	0.13	8.65	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col138	53	1.41	8.65	0.00	3.32	0.00	3.07	0.16	0.00	0.16	0.00
Col138	54	1.11	8.65	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col138	55	1.11	8.65	-0.18	3.32	0.73	3.07	0.13	0.05	0.37	0.00
Col138	56	1.11	8.65	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col139	1	1.62	8.55	0.00	3.32	0.00	3.07	0.19	0.00	0.19	0.00
Col139	2	0.22	8.55	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col139	3	1.40	8.55	0.00	3.32	0.00	3.07	0.16	0.00	0.16	0.00
Col139	4	1.40	8.55	0.00	3.32	0.00	3.07	0.16	0.00	0.16	0.00
Col139	5	1.27	8.55	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col139	6	1.10	8.55	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col139	7	1.10	8.55	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col139	8	-0.84	21.18	0.25	3.32	-1.00	3.07	0.04	0.07	0.29	0.00
Col139	9	-0.41	21.18	0.25	3.32	-1.00	3.07	0.02	0.07	0.31	0.00
Col139	10	-0.84	21.18	-0.25	3.32	1.00	3.07	0.04	0.07	0.29	0.00
Col139	11	-0.41	21.18	-0.25	3.32	1.00	3.07	0.02	0.07	0.31	0.00
Col139	12	-0.84	21.18	-0.25	3.32	1.00	3.07	0.04	0.07	0.29	0.00
Col139	13	-0.41	21.18	-0.25	3.32	1.00	3.07	0.02	0.07	0.31	0.00
Col139	14	-0.51	21.18	-0.25	3.32	1.00	3.07	0.02	0.07	0.30	0.00
Col139	15	-0.08	21.18	-0.25	3.32	1.00	3.07	0.00	0.07	0.32	0.00
Col139	16	0.75	8.55	-0.18	3.32	0.75	3.07	0.09	0.06	0.33	0.00
Col139	17	1.07	8.55	-0.18	3.32	0.75	3.07	0.13	0.06	0.37	0.00
Col139	18	0.50	8.55	-0.18	3.32	0.75	3.07	0.06	0.06	0.30	0.00
Col139	19	0.82	8.55	-0.18	3.32	0.75	3.07	0.10	0.06	0.34	0.00
Col139	20	0.58	8.55	-0.18	3.32	0.75	3.07	0.07	0.06	0.31	0.00
Col139	21	0.90	8.55	-0.18	3.32	0.75	3.07	0.11	0.06	0.35	0.00
Col139	22	0.34	8.55	-0.18	3.32	0.75	3.07	0.04	0.06	0.28	0.00
Col139	23	0.65	8.55	-0.18	3.32	0.75	3.07	0.08	0.06	0.32	0.00
Col139	24	0.58	8.55	-0.18	3.32	0.75	3.07	0.07	0.06	0.31	0.00
Col139	25	0.90	8.55	-0.18	3.32	0.75	3.07	0.11	0.06	0.35	0.00
Col139	26	0.34	8.55	-0.18	3.32	0.75	3.07	0.04	0.06	0.28	0.00
Col139	27	0.65	8.55	-0.18	3.32	0.75	3.07	0.08	0.06	0.32	0.00
Col139	28	-0.89	21.18	0.25	3.32	-1.00	3.07	0.04	0.07	0.28	0.00
Col139	29	-0.47	21.18	0.25	3.32	-1.00	3.07	0.02	0.07	0.30	0.00
Col139	30	-0.89	21.18	-0.25	3.32	1.00	3.07	0.04	0.07	0.28	0.00
Col139	31	-0.47	21.18	-0.25	3.32	1.00	3.07	0.02	0.07	0.30	0.00
Col139	32	-0.89	21.18	-0.25	3.32	1.00	3.07	0.04	0.07	0.28	0.00
Col139	33	-0.47	21.18	-0.25	3.32	1.00	3.07	0.02	0.07	0.30	0.00
Col139	34	-0.56	21.18	-0.25	3.32	1.00	3.07	0.03	0.07	0.30	0.00
Col139	35	-0.14	21.18	-0.25	3.32	1.00	3.07	0.01	0.07	0.32	0.00
Col139	36	0.23	8.55	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col139	37	0.23	8.55	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col139	38	1.27	8.55	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col139	39	1.27	8.55	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00

Col139	40	1.11	8.55	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col139	41	1.11	8.55	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col139	42	1.11	8.55	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col139	43	1.11	8.55	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col139	44	0.12	8.55	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col139	45	0.12	8.55	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col139	46	1.62	8.55	0.00	3.32	0.00	3.07	0.19	0.00	0.19	0.00
Col139	47	0.75	8.55	-0.18	3.32	0.75	3.07	0.09	0.06	0.33	0.00
Col139	48	1.07	8.55	-0.18	3.32	0.75	3.07	0.13	0.06	0.37	0.00
Col139	49	0.22	8.55	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col139	50	0.22	8.55	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col139	51	0.13	8.55	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col139	52	0.13	8.55	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col139	53	1.68	8.55	0.00	3.32	0.00	3.07	0.20	0.00	0.20	0.00
Col139	54	1.31	8.55	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col139	55	1.31	8.55	-0.18	3.32	0.75	3.07	0.15	0.06	0.40	0.00
Col139	56	1.31	8.55	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col140	1	1.62	8.44	0.00	3.32	0.00	3.07	0.19	0.00	0.19	0.00
Col140	2	0.22	8.44	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col140	3	1.40	8.44	0.00	3.32	0.00	3.07	0.17	0.00	0.17	0.00
Col140	4	1.40	8.44	0.00	3.32	0.00	3.07	0.17	0.00	0.17	0.00
Col140	5	1.27	8.44	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col140	6	1.10	8.44	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col140	7	1.10	8.44	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col140	8	-0.84	21.18	0.25	3.32	-1.03	3.07	0.04	0.07	0.29	0.00
Col140	9	-0.41	21.18	0.25	3.32	-1.03	3.07	0.02	0.07	0.31	0.00
Col140	10	-0.84	21.18	-0.25	3.32	1.03	3.07	0.04	0.07	0.29	0.00
Col140	11	-0.41	21.18	-0.25	3.32	1.03	3.07	0.02	0.07	0.31	0.00
Col140	12	-0.84	21.18	-0.25	3.32	1.03	3.07	0.04	0.07	0.29	0.00
Col140	13	-0.41	21.18	-0.25	3.32	1.03	3.07	0.02	0.07	0.31	0.00
Col140	14	-0.51	21.18	-0.25	3.32	1.03	3.07	0.02	0.07	0.31	0.00
Col140	15	-0.08	21.18	-0.25	3.32	1.03	3.07	0.00	0.07	0.33	0.00
Col140	16	0.75	8.44	-0.19	3.32	0.77	3.07	0.09	0.06	0.34	0.00
Col140	17	1.07	8.44	-0.19	3.32	0.77	3.07	0.13	0.06	0.38	0.00
Col140	18	0.50	8.44	-0.19	3.32	0.77	3.07	0.06	0.06	0.31	0.00
Col140	19	0.82	8.44	-0.19	3.32	0.77	3.07	0.10	0.06	0.35	0.00
Col140	20	0.58	8.44	-0.19	3.32	0.77	3.07	0.07	0.06	0.32	0.00
Col140	21	0.90	8.44	-0.19	3.32	0.77	3.07	0.11	0.06	0.36	0.00
Col140	22	0.34	8.44	-0.19	3.32	0.77	3.07	0.04	0.06	0.29	0.00
Col140	23	0.65	8.44	-0.19	3.32	0.77	3.07	0.08	0.06	0.33	0.00
Col140	24	0.58	8.44	-0.19	3.32	0.77	3.07	0.07	0.06	0.32	0.00
Col140	25	0.90	8.44	-0.19	3.32	0.77	3.07	0.11	0.06	0.36	0.00
Col140	26	0.34	8.44	-0.19	3.32	0.77	3.07	0.04	0.06	0.29	0.00
Col140	27	0.65	8.44	-0.19	3.32	0.77	3.07	0.08	0.06	0.33	0.00
Col140	28	-0.89	21.18	0.25	3.32	-1.03	3.07	0.04	0.07	0.29	0.00
Col140	29	-0.47	21.18	0.25	3.32	-1.03	3.07	0.02	0.07	0.31	0.00
Col140	30	-0.89	21.18	-0.25	3.32	1.03	3.07	0.04	0.07	0.29	0.00
Col140	31	-0.47	21.18	-0.25	3.32	1.03	3.07	0.02	0.07	0.31	0.00
Col140	32	-0.89	21.18	-0.25	3.32	1.03	3.07	0.04	0.07	0.29	0.00
Col140	33	-0.47	21.18	-0.25	3.32	1.03	3.07	0.02	0.07	0.31	0.00
Col140	34	-0.56	21.18	-0.25	3.32	1.03	3.07	0.03	0.07	0.31	0.00
Col140	35	-0.14	21.18	-0.25	3.32	1.03	3.07	0.01	0.07	0.33	0.00
Col140	36	0.23	8.44	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col140	37	0.23	8.44	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col140	38	1.27	8.44	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col140	39	1.27	8.44	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col140	40	1.11	8.44	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col140	41	1.11	8.44	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col140	42	1.11	8.44	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col140	43	1.11	8.44	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col140	44	0.13	8.44	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col140	45	0.13	8.44	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col140	46	1.62	8.44	0.00	3.32	0.00	3.07	0.19	0.00	0.19	0.00
Col140	47	0.75	8.44	-0.19	3.32	0.77	3.07	0.09	0.06	0.34	0.00
Col140	48	1.07	8.44	-0.19	3.32	0.77	3.07	0.13	0.06	0.38	0.00

Col140	49	0.22	8.44	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col140	50	0.22	8.44	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col140	51	0.13	8.44	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col140	52	0.13	8.44	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col140	53	1.79	8.44	0.00	3.32	0.00	3.07	0.21	0.00	0.21	0.00
Col140	54	1.39	8.44	0.00	3.32	0.00	3.07	0.17	0.00	0.17	0.00
Col140	55	1.39	8.44	-0.19	3.32	0.77	3.07	0.17	0.06	0.42	0.00
Col140	56	1.40	8.44	0.00	3.32	0.00	3.07	0.17	0.00	0.17	0.00
Col141	1	1.62	8.34	0.00	3.32	0.00	3.07	0.19	0.00	0.19	0.00
Col141	2	0.22	8.34	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col141	3	1.40	8.34	0.00	3.32	0.00	3.07	0.17	0.00	0.17	0.00
Col141	4	1.40	8.34	0.00	3.32	0.00	3.07	0.17	0.00	0.17	0.00
Col141	5	1.27	8.34	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col141	6	1.10	8.34	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col141	7	1.10	8.34	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col141	8	-0.84	21.18	0.25	3.32	-1.05	3.07	0.04	0.08	0.30	0.00
Col141	9	-0.41	21.18	0.25	3.32	-1.05	3.07	0.02	0.08	0.32	0.00
Col141	10	-0.84	21.18	-0.25	3.32	1.05	3.07	0.04	0.08	0.30	0.00
Col141	11	-0.41	21.18	-0.25	3.32	1.05	3.07	0.02	0.08	0.32	0.00
Col141	12	-0.84	21.18	-0.25	3.32	1.05	3.07	0.04	0.08	0.30	0.00
Col141	13	-0.41	21.18	-0.25	3.32	1.05	3.07	0.02	0.08	0.32	0.00
Col141	14	-0.51	21.18	-0.25	3.32	1.05	3.07	0.02	0.08	0.32	0.00
Col141	15	-0.08	21.18	-0.25	3.32	1.05	3.07	0.00	0.08	0.34	0.00
Col141	16	0.75	8.34	-0.19	3.32	0.79	3.07	0.09	0.06	0.35	0.00
Col141	17	1.07	8.34	-0.19	3.32	0.79	3.07	0.13	0.06	0.39	0.00
Col141	18	0.50	8.34	-0.19	3.32	0.79	3.07	0.06	0.06	0.32	0.00
Col141	19	0.82	8.34	-0.19	3.32	0.79	3.07	0.10	0.06	0.36	0.00
Col141	20	0.58	8.34	-0.19	3.32	0.79	3.07	0.07	0.06	0.33	0.00
Col141	21	0.90	8.34	-0.19	3.32	0.79	3.07	0.11	0.06	0.37	0.00
Col141	22	0.34	8.34	-0.19	3.32	0.79	3.07	0.04	0.06	0.30	0.00
Col141	23	0.65	8.34	-0.19	3.32	0.79	3.07	0.08	0.06	0.34	0.00
Col141	24	0.58	8.34	-0.19	3.32	0.79	3.07	0.07	0.06	0.33	0.00
Col141	25	0.90	8.34	-0.19	3.32	0.79	3.07	0.11	0.06	0.37	0.00
Col141	26	0.34	8.34	-0.19	3.32	0.79	3.07	0.04	0.06	0.30	0.00
Col141	27	0.65	8.34	-0.19	3.32	0.79	3.07	0.08	0.06	0.34	0.00
Col141	28	-0.89	21.18	0.25	3.32	-1.05	3.07	0.04	0.08	0.30	0.00
Col141	29	-0.47	21.18	0.25	3.32	-1.05	3.07	0.02	0.08	0.32	0.00
Col141	30	-0.89	21.18	-0.25	3.32	1.05	3.07	0.04	0.08	0.30	0.00
Col141	31	-0.47	21.18	-0.25	3.32	1.05	3.07	0.02	0.08	0.32	0.00
Col141	32	-0.89	21.18	-0.25	3.32	1.05	3.07	0.04	0.08	0.30	0.00
Col141	33	-0.47	21.18	-0.25	3.32	1.05	3.07	0.02	0.08	0.32	0.00
Col141	34	-0.56	21.18	-0.25	3.32	1.05	3.07	0.03	0.08	0.32	0.00
Col141	35	-0.14	21.18	-0.25	3.32	1.05	3.07	0.01	0.08	0.34	0.00
Col141	36	0.23	8.34	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col141	37	0.23	8.34	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col141	38	1.27	8.34	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col141	39	1.27	8.34	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col141	40	1.11	8.34	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col141	41	1.11	8.34	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col141	42	1.11	8.34	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col141	43	1.11	8.34	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col141	44	0.13	8.34	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col141	45	0.13	8.34	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col141	46	1.62	8.34	0.00	3.32	0.00	3.07	0.19	0.00	0.19	0.00
Col141	47	0.75	8.34	-0.19	3.32	0.79	3.07	0.09	0.06	0.35	0.00
Col141	48	1.07	8.34	-0.19	3.32	0.79	3.07	0.13	0.06	0.39	0.00
Col141	49	0.22	8.34	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col141	50	0.22	8.34	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col141	51	0.13	8.34	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col141	52	0.13	8.34	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col141	53	1.79	8.34	0.00	3.32	0.00	3.07	0.21	0.00	0.21	0.00
Col141	54	1.40	8.34	0.00	3.32	0.00	3.07	0.17	0.00	0.17	0.00
Col141	55	1.40	8.34	-0.19	3.32	0.79	3.07	0.17	0.06	0.42	0.00
Col141	56	1.40	8.34	0.00	3.32	0.00	3.07	0.17	0.00	0.17	0.00
Col142	1	1.62	8.23	0.00	3.32	0.00	3.07	0.20	0.00	0.20	0.00



Col142	2	0.22	8.23	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col142	3	1.40	8.23	0.00	3.32	0.00	3.07	0.17	0.00	0.17	0.00
Col142	4	1.40	8.23	0.00	3.32	0.00	3.07	0.17	0.00	0.17	0.00
Col142	5	1.27	8.23	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col142	6	1.10	8.23	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col142	7	1.10	8.23	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col142	8	-0.84	21.18	0.25	3.32	-1.08	3.07	0.04	0.08	0.31	0.00
Col142	9	-0.41	21.18	0.25	3.32	-1.08	3.07	0.02	0.08	0.33	0.00
Col142	10	-0.84	21.18	-0.25	3.32	1.08	3.07	0.04	0.08	0.31	0.00
Col142	11	-0.41	21.18	-0.25	3.32	1.08	3.07	0.02	0.08	0.33	0.00
Col142	12	-0.84	21.18	-0.25	3.32	1.08	3.07	0.04	0.08	0.31	0.00
Col142	13	-0.41	21.18	-0.25	3.32	1.08	3.07	0.02	0.08	0.33	0.00
Col142	14	-0.50	21.18	-0.25	3.32	1.08	3.07	0.02	0.08	0.33	0.00
Col142	15	-0.08	21.18	-0.25	3.32	1.08	3.07	0.00	0.08	0.35	0.00
Col142	16	0.75	8.23	-0.19	3.32	0.81	3.07	0.09	0.06	0.35	0.00
Col142	17	1.07	8.23	-0.19	3.32	0.81	3.07	0.13	0.06	0.39	0.00
Col142	18	0.50	8.23	-0.19	3.32	0.81	3.07	0.06	0.06	0.32	0.00
Col142	19	0.82	8.23	-0.19	3.32	0.81	3.07	0.10	0.06	0.36	0.00
Col142	20	0.59	8.23	-0.19	3.32	0.81	3.07	0.07	0.06	0.33	0.00
Col142	21	0.90	8.23	-0.19	3.32	0.81	3.07	0.11	0.06	0.37	0.00
Col142	22	0.34	8.23	-0.19	3.32	0.81	3.07	0.04	0.06	0.30	0.00
Col142	23	0.65	8.23	-0.19	3.32	0.81	3.07	0.08	0.06	0.34	0.00
Col142	24	0.59	8.23	-0.19	3.32	0.81	3.07	0.07	0.06	0.33	0.00
Col142	25	0.90	8.23	-0.19	3.32	0.81	3.07	0.11	0.06	0.37	0.00
Col142	26	0.34	8.23	-0.19	3.32	0.81	3.07	0.04	0.06	0.30	0.00
Col142	27	0.65	8.23	-0.19	3.32	0.81	3.07	0.08	0.06	0.34	0.00
Col142	28	-0.89	21.18	0.25	3.32	-1.08	3.07	0.04	0.08	0.31	0.00
Col142	29	-0.47	21.18	0.25	3.32	-1.08	3.07	0.02	0.08	0.33	0.00
Col142	30	-0.89	21.18	-0.25	3.32	1.08	3.07	0.04	0.08	0.31	0.00
Col142	31	-0.47	21.18	-0.25	3.32	1.08	3.07	0.02	0.08	0.33	0.00
Col142	32	-0.89	21.18	-0.25	3.32	1.08	3.07	0.04	0.08	0.31	0.00
Col142	33	-0.47	21.18	-0.25	3.32	1.08	3.07	0.02	0.08	0.33	0.00
Col142	34	-0.56	21.18	-0.25	3.32	1.08	3.07	0.03	0.08	0.32	0.00
Col142	35	-0.14	21.18	-0.25	3.32	1.08	3.07	0.01	0.08	0.34	0.00
Col142	36	0.23	8.23	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col142	37	0.23	8.23	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col142	38	1.28	8.23	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col142	39	1.27	8.23	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col142	40	1.11	8.23	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col142	41	1.11	8.23	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col142	42	1.11	8.23	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col142	43	1.11	8.23	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col142	44	0.13	8.23	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col142	45	0.13	8.23	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col142	46	1.62	8.23	0.00	3.32	0.00	3.07	0.20	0.00	0.20	0.00
Col142	47	0.75	8.23	-0.19	3.32	0.81	3.07	0.09	0.06	0.35	0.00
Col142	48	1.07	8.23	-0.19	3.32	0.81	3.07	0.13	0.06	0.39	0.00
Col142	49	0.22	8.23	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col142	50	0.22	8.23	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col142	51	0.13	8.23	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col142	52	0.13	8.23	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col142	53	1.79	8.23	0.00	3.32	0.00	3.07	0.22	0.00	0.22	0.00
Col142	54	1.40	8.23	0.00	3.32	0.00	3.07	0.17	0.00	0.17	0.00
Col142	55	1.40	8.23	-0.19	3.32	0.81	3.07	0.17	0.06	0.43	0.00
Col142	56	1.40	8.23	0.00	3.32	0.00	3.07	0.17	0.00	0.17	0.00
Col143	1	1.62	8.17	0.00	3.32	0.00	3.07	0.20	0.00	0.20	0.00
Col143	2	0.22	8.17	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col143	3	1.40	8.17	0.00	3.32	0.00	3.07	0.17	0.00	0.17	0.00
Col143	4	1.40	8.17	0.00	3.32	0.00	3.07	0.17	0.00	0.17	0.00
Col143	5	1.27	8.17	0.00	3.32	0.00	3.07	0.16	0.00	0.16	0.00
Col143	6	1.10	8.17	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col143	7	1.10	8.17	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col143	8	-0.61	21.18	0.26	3.32	-1.09	3.07	0.03	0.08	0.33	0.00
Col143	9	-0.61	21.18	0.26	3.32	-1.09	3.07	0.03	0.08	0.33	0.00
Col143	10	-0.61	21.18	-0.26	3.32	1.09	3.07	0.03	0.08	0.33	0.00

Col143	11	-0.61	21.18	-0.26	3.32	1.09	3.07	0.03	0.08	0.33	0.00
Col143	12	-0.61	21.18	-0.26	3.32	1.09	3.07	0.03	0.08	0.33	0.00
Col143	13	-0.61	21.18	-0.26	3.32	1.09	3.07	0.03	0.08	0.33	0.00
Col143	14	-0.29	21.18	-0.26	3.32	1.09	3.07	0.01	0.08	0.34	0.00
Col143	15	-0.29	21.18	-0.26	3.32	1.09	3.07	0.01	0.08	0.34	0.00
Col143	16	0.92	8.17	-0.19	3.32	0.82	3.07	0.11	0.06	0.38	0.00
Col143	17	0.92	8.17	-0.19	3.32	0.82	3.07	0.11	0.06	0.38	0.00
Col143	18	0.67	8.17	-0.19	3.32	0.82	3.07	0.08	0.06	0.35	0.00
Col143	19	0.67	8.17	-0.19	3.32	0.82	3.07	0.08	0.06	0.35	0.00
Col143	20	0.75	8.17	-0.19	3.32	0.82	3.07	0.09	0.06	0.36	0.00
Col143	21	0.75	8.17	-0.19	3.32	0.82	3.07	0.09	0.06	0.36	0.00
Col143	22	0.50	8.17	-0.19	3.32	0.82	3.07	0.06	0.06	0.33	0.00
Col143	23	0.50	8.17	-0.19	3.32	0.82	3.07	0.06	0.06	0.33	0.00
Col143	24	0.75	8.17	-0.19	3.32	0.82	3.07	0.09	0.06	0.36	0.00
Col143	25	0.75	8.17	-0.19	3.32	0.82	3.07	0.09	0.06	0.36	0.00
Col143	26	0.50	8.17	-0.19	3.32	0.82	3.07	0.06	0.06	0.33	0.00
Col143	27	0.50	8.17	-0.19	3.32	0.82	3.07	0.06	0.06	0.33	0.00
Col143	28	-0.67	21.18	0.26	3.32	-1.09	3.07	0.03	0.08	0.32	0.00
Col143	29	-0.67	21.18	0.26	3.32	-1.09	3.07	0.03	0.08	0.32	0.00
Col143	30	-0.67	21.18	-0.26	3.32	1.09	3.07	0.03	0.08	0.32	0.00
Col143	31	-0.67	21.18	-0.26	3.32	1.09	3.07	0.03	0.08	0.32	0.00
Col143	32	-0.67	21.18	-0.26	3.32	1.09	3.07	0.03	0.08	0.32	0.00
Col143	33	-0.67	21.18	-0.26	3.32	1.09	3.07	0.03	0.08	0.32	0.00
Col143	34	-0.34	21.18	-0.26	3.32	1.09	3.07	0.02	0.08	0.34	0.00
Col143	35	-0.34	21.18	-0.26	3.32	1.09	3.07	0.02	0.08	0.34	0.00
Col143	36	0.23	8.17	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col143	37	0.23	8.17	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col143	38	1.27	8.17	0.00	3.32	0.00	3.07	0.16	0.00	0.16	0.00
Col143	39	1.27	8.17	0.00	3.32	0.00	3.07	0.16	0.00	0.16	0.00
Col143	40	1.11	8.17	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col143	41	1.11	8.17	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col143	42	1.11	8.17	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col143	43	1.11	8.17	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col143	44	0.13	8.17	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col143	45	0.13	8.17	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col143	46	1.59	8.17	0.00	3.32	0.00	3.07	0.20	0.00	0.20	0.00
Col143	47	0.90	8.17	-0.19	3.32	0.82	3.07	0.11	0.06	0.38	0.00
Col143	48	0.90	8.17	-0.19	3.32	0.82	3.07	0.11	0.06	0.38	0.00
Col143	49	0.22	8.17	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col143	50	0.22	8.17	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col143	51	0.13	8.17	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col143	52	0.13	8.17	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col143	53	1.76	8.17	0.00	3.32	0.00	3.07	0.22	0.00	0.22	0.00
Col143	54	1.37	8.17	0.00	3.32	0.00	3.07	0.17	0.00	0.17	0.00
Col143	55	1.37	8.17	-0.19	3.32	0.82	3.07	0.17	0.06	0.44	0.00
Col143	56	1.37	8.17	0.00	3.32	0.00	3.07	0.17	0.00	0.17	0.00
Col144	1	1.62	8.23	0.00	3.32	0.00	3.07	0.20	0.00	0.20	0.00
Col144	2	0.22	8.23	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col144	3	1.40	8.23	0.00	3.32	0.00	3.07	0.17	0.00	0.17	0.00
Col144	4	1.40	8.23	0.00	3.32	0.00	3.07	0.17	0.00	0.17	0.00
Col144	5	1.27	8.23	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col144	6	1.10	8.23	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col144	7	1.10	8.23	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col144	8	-0.41	21.18	0.25	3.32	-1.08	3.07	0.02	0.08	0.33	0.00
Col144	9	-0.84	21.18	0.25	3.32	-1.08	3.07	0.04	0.08	0.31	0.00
Col144	10	-0.41	21.18	-0.25	3.32	1.08	3.07	0.02	0.08	0.33	0.00
Col144	11	-0.84	21.18	-0.25	3.32	1.08	3.07	0.04	0.08	0.31	0.00
Col144	12	-0.41	21.18	-0.25	3.32	1.08	3.07	0.02	0.08	0.33	0.00
Col144	13	-0.84	21.18	-0.25	3.32	1.08	3.07	0.04	0.08	0.31	0.00
Col144	14	-0.08	21.18	-0.25	3.32	1.08	3.07	0.00	0.08	0.35	0.00
Col144	15	-0.50	21.18	-0.25	3.32	1.08	3.07	0.02	0.08	0.33	0.00
Col144	16	1.07	8.23	-0.19	3.32	0.81	3.07	0.13	0.06	0.39	0.00
Col144	17	0.75	8.23	-0.19	3.32	0.81	3.07	0.09	0.06	0.35	0.00
Col144	18	0.82	8.23	-0.19	3.32	0.81	3.07	0.10	0.06	0.36	0.00
Col144	19	0.50	8.23	-0.19	3.32	0.81	3.07	0.06	0.06	0.32	0.00

Col144	20	0.90	8.23	-0.19	3.32	0.81	3.07	0.11	0.06	0.37	0.00
Col144	21	0.59	8.23	-0.19	3.32	0.81	3.07	0.07	0.06	0.33	0.00
Col144	22	0.65	8.23	-0.19	3.32	0.81	3.07	0.08	0.06	0.34	0.00
Col144	23	0.34	8.23	-0.19	3.32	0.81	3.07	0.04	0.06	0.30	0.00
Col144	24	0.90	8.23	-0.19	3.32	0.81	3.07	0.11	0.06	0.37	0.00
Col144	25	0.59	8.23	-0.19	3.32	0.81	3.07	0.07	0.06	0.33	0.00
Col144	26	0.65	8.23	-0.19	3.32	0.81	3.07	0.08	0.06	0.34	0.00
Col144	27	0.34	8.23	-0.19	3.32	0.81	3.07	0.04	0.06	0.30	0.00
Col144	28	-0.47	21.18	0.25	3.32	-1.08	3.07	0.02	0.08	0.33	0.00
Col144	29	-0.89	21.18	0.25	3.32	-1.08	3.07	0.04	0.08	0.31	0.00
Col144	30	-0.47	21.18	-0.25	3.32	1.08	3.07	0.02	0.08	0.33	0.00
Col144	31	-0.89	21.18	-0.25	3.32	1.08	3.07	0.04	0.08	0.31	0.00
Col144	32	-0.47	21.18	-0.25	3.32	1.08	3.07	0.02	0.08	0.33	0.00
Col144	33	-0.89	21.18	-0.25	3.32	1.08	3.07	0.04	0.08	0.31	0.00
Col144	34	-0.14	21.18	-0.25	3.32	1.08	3.07	0.01	0.08	0.34	0.00
Col144	35	-0.56	21.18	-0.25	3.32	1.08	3.07	0.03	0.08	0.32	0.00
Col144	36	0.23	8.23	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col144	37	0.23	8.23	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col144	38	1.27	8.23	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col144	39	1.28	8.23	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col144	40	1.11	8.23	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col144	41	1.11	8.23	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col144	42	1.11	8.23	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col144	43	1.11	8.23	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col144	44	0.13	8.23	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col144	45	0.13	8.23	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col144	46	1.62	8.23	0.00	3.32	0.00	3.07	0.20	0.00	0.20	0.00
Col144	47	1.07	8.23	-0.19	3.32	0.81	3.07	0.13	0.06	0.39	0.00
Col144	48	0.75	8.23	-0.19	3.32	0.81	3.07	0.09	0.06	0.35	0.00
Col144	49	0.22	8.23	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col144	50	0.22	8.23	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col144	51	0.13	8.23	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col144	52	0.13	8.23	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col144	53	1.79	8.23	0.00	3.32	0.00	3.07	0.22	0.00	0.22	0.00
Col144	54	1.40	8.23	0.00	3.32	0.00	3.07	0.17	0.00	0.17	0.00
Col144	55	1.40	8.23	-0.19	3.32	0.81	3.07	0.17	0.06	0.43	0.00
Col144	56	1.40	8.23	0.00	3.32	0.00	3.07	0.17	0.00	0.17	0.00
Col145	1	1.62	8.34	0.00	3.32	0.00	3.07	0.19	0.00	0.19	0.00
Col145	2	0.22	8.34	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col145	3	1.40	8.34	0.00	3.32	0.00	3.07	0.17	0.00	0.17	0.00
Col145	4	1.40	8.34	0.00	3.32	0.00	3.07	0.17	0.00	0.17	0.00
Col145	5	1.27	8.34	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col145	6	1.10	8.34	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col145	7	1.10	8.34	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col145	8	-0.41	21.18	0.25	3.32	-1.05	3.07	0.02	0.08	0.32	0.00
Col145	9	-0.84	21.18	0.25	3.32	-1.05	3.07	0.04	0.08	0.30	0.00
Col145	10	-0.41	21.18	-0.25	3.32	1.05	3.07	0.02	0.08	0.32	0.00
Col145	11	-0.84	21.18	-0.25	3.32	1.05	3.07	0.04	0.08	0.30	0.00
Col145	12	-0.41	21.18	-0.25	3.32	1.05	3.07	0.02	0.08	0.32	0.00
Col145	13	-0.84	21.18	-0.25	3.32	1.05	3.07	0.04	0.08	0.30	0.00
Col145	14	-0.08	21.18	-0.25	3.32	1.05	3.07	0.00	0.08	0.34	0.00
Col145	15	-0.51	21.18	-0.25	3.32	1.05	3.07	0.02	0.08	0.32	0.00
Col145	16	1.07	8.34	-0.19	3.32	0.79	3.07	0.13	0.06	0.39	0.00
Col145	17	0.75	8.34	-0.19	3.32	0.79	3.07	0.09	0.06	0.35	0.00
Col145	18	0.82	8.34	-0.19	3.32	0.79	3.07	0.10	0.06	0.36	0.00
Col145	19	0.50	8.34	-0.19	3.32	0.79	3.07	0.06	0.06	0.32	0.00
Col145	20	0.90	8.34	-0.19	3.32	0.79	3.07	0.11	0.06	0.37	0.00
Col145	21	0.58	8.34	-0.19	3.32	0.79	3.07	0.07	0.06	0.33	0.00
Col145	22	0.65	8.34	-0.19	3.32	0.79	3.07	0.08	0.06	0.34	0.00
Col145	23	0.34	8.34	-0.19	3.32	0.79	3.07	0.04	0.06	0.30	0.00
Col145	24	0.90	8.34	-0.19	3.32	0.79	3.07	0.11	0.06	0.37	0.00
Col145	25	0.58	8.34	-0.19	3.32	0.79	3.07	0.07	0.06	0.33	0.00
Col145	26	0.65	8.34	-0.19	3.32	0.79	3.07	0.08	0.06	0.34	0.00
Col145	27	0.34	8.34	-0.19	3.32	0.79	3.07	0.04	0.06	0.30	0.00
Col145	28	-0.47	21.18	0.25	3.32	-1.05	3.07	0.02	0.08	0.32	0.00

Col145	29	-0.89	21.18	0.25	3.32	-1.05	3.07	0.04	0.08	0.30	0.00
Col145	30	-0.47	21.18	-0.25	3.32	1.05	3.07	0.02	0.08	0.32	0.00
Col145	31	-0.89	21.18	-0.25	3.32	1.05	3.07	0.04	0.08	0.30	0.00
Col145	32	-0.47	21.18	-0.25	3.32	1.05	3.07	0.02	0.08	0.32	0.00
Col145	33	-0.89	21.18	-0.25	3.32	1.05	3.07	0.04	0.08	0.30	0.00
Col145	34	-0.14	21.18	-0.25	3.32	1.05	3.07	0.01	0.08	0.34	0.00
Col145	35	-0.56	21.18	-0.25	3.32	1.05	3.07	0.03	0.08	0.32	0.00
Col145	36	0.23	8.34	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col145	37	0.23	8.34	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col145	38	1.27	8.34	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col145	39	1.27	8.34	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col145	40	1.11	8.34	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col145	41	1.11	8.34	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col145	42	1.11	8.34	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col145	43	1.11	8.34	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col145	44	0.13	8.34	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col145	45	0.13	8.34	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col145	46	1.62	8.34	0.00	3.32	0.00	3.07	0.19	0.00	0.19	0.00
Col145	47	1.07	8.34	-0.19	3.32	0.79	3.07	0.13	0.06	0.39	0.00
Col145	48	0.75	8.34	-0.19	3.32	0.79	3.07	0.09	0.06	0.35	0.00
Col145	49	0.22	8.34	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col145	50	0.22	8.34	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col145	51	0.13	8.34	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col145	52	0.13	8.34	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col145	53	1.79	8.34	0.00	3.32	0.00	3.07	0.21	0.00	0.21	0.00
Col145	54	1.40	8.34	0.00	3.32	0.00	3.07	0.17	0.00	0.17	0.00
Col145	55	1.40	8.34	-0.19	3.32	0.79	3.07	0.17	0.06	0.42	0.00
Col145	56	1.40	8.34	0.00	3.32	0.00	3.07	0.17	0.00	0.17	0.00
Col146	1	1.62	8.44	0.00	3.32	0.00	3.07	0.19	0.00	0.19	0.00
Col146	2	0.22	8.44	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col146	3	1.40	8.44	0.00	3.32	0.00	3.07	0.17	0.00	0.17	0.00
Col146	4	1.40	8.44	0.00	3.32	0.00	3.07	0.17	0.00	0.17	0.00
Col146	5	1.27	8.44	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col146	6	1.10	8.44	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col146	7	1.10	8.44	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col146	8	-0.41	21.18	0.25	3.32	-1.03	3.07	0.02	0.07	0.31	0.00
Col146	9	-0.84	21.18	0.25	3.32	-1.03	3.07	0.04	0.07	0.29	0.00
Col146	10	-0.41	21.18	-0.25	3.32	1.03	3.07	0.02	0.07	0.31	0.00
Col146	11	-0.84	21.18	-0.25	3.32	1.03	3.07	0.04	0.07	0.29	0.00
Col146	12	-0.41	21.18	-0.25	3.32	1.03	3.07	0.02	0.07	0.31	0.00
Col146	13	-0.84	21.18	-0.25	3.32	1.03	3.07	0.04	0.07	0.29	0.00
Col146	14	-0.08	21.18	-0.25	3.32	1.03	3.07	0.00	0.07	0.33	0.00
Col146	15	-0.51	21.18	-0.25	3.32	1.03	3.07	0.02	0.07	0.31	0.00
Col146	16	1.07	8.44	-0.19	3.32	0.77	3.07	0.13	0.06	0.38	0.00
Col146	17	0.75	8.44	-0.19	3.32	0.77	3.07	0.09	0.06	0.34	0.00
Col146	18	0.82	8.44	-0.19	3.32	0.77	3.07	0.10	0.06	0.35	0.00
Col146	19	0.50	8.44	-0.19	3.32	0.77	3.07	0.06	0.06	0.31	0.00
Col146	20	0.90	8.44	-0.19	3.32	0.77	3.07	0.11	0.06	0.36	0.00
Col146	21	0.58	8.44	-0.19	3.32	0.77	3.07	0.07	0.06	0.32	0.00
Col146	22	0.65	8.44	-0.19	3.32	0.77	3.07	0.08	0.06	0.33	0.00
Col146	23	0.34	8.44	-0.19	3.32	0.77	3.07	0.04	0.06	0.29	0.00
Col146	24	0.90	8.44	-0.19	3.32	0.77	3.07	0.11	0.06	0.36	0.00
Col146	25	0.58	8.44	-0.19	3.32	0.77	3.07	0.07	0.06	0.32	0.00
Col146	26	0.65	8.44	-0.19	3.32	0.77	3.07	0.08	0.06	0.33	0.00
Col146	27	0.34	8.44	-0.19	3.32	0.77	3.07	0.04	0.06	0.29	0.00
Col146	28	-0.47	21.18	0.25	3.32	-1.03	3.07	0.02	0.07	0.31	0.00
Col146	29	-0.89	21.18	0.25	3.32	-1.03	3.07	0.04	0.07	0.29	0.00
Col146	30	-0.47	21.18	-0.25	3.32	1.03	3.07	0.02	0.07	0.31	0.00
Col146	31	-0.89	21.18	-0.25	3.32	1.03	3.07	0.04	0.07	0.29	0.00
Col146	32	-0.47	21.18	-0.25	3.32	1.03	3.07	0.02	0.07	0.31	0.00
Col146	33	-0.89	21.18	-0.25	3.32	1.03	3.07	0.04	0.07	0.29	0.00
Col146	34	-0.14	21.18	-0.25	3.32	1.03	3.07	0.01	0.07	0.33	0.00
Col146	35	-0.56	21.18	-0.25	3.32	1.03	3.07	0.03	0.07	0.31	0.00
Col146	36	0.23	8.44	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col146	37	0.23	8.44	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00

Col46	38	1.27	8.44	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col46	39	1.27	8.44	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col46	40	1.11	8.44	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col46	41	1.11	8.44	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col46	42	1.11	8.44	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col46	43	1.11	8.44	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col46	44	0.13	8.44	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col46	45	0.13	8.44	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col46	46	1.62	8.44	0.00	3.32	0.00	3.07	0.19	0.00	0.19	0.00
Col46	47	1.07	8.44	-0.19	3.32	0.77	3.07	0.13	0.06	0.38	0.00
Col46	48	0.75	8.44	-0.19	3.32	0.77	3.07	0.09	0.06	0.34	0.00
Col46	49	0.22	8.44	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col46	50	0.22	8.44	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col46	51	0.13	8.44	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col46	52	0.13	8.44	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col46	53	1.79	8.44	0.00	3.32	0.00	3.07	0.21	0.00	0.21	0.00
Col46	54	1.39	8.44	0.00	3.32	0.00	3.07	0.17	0.00	0.17	0.00
Col46	55	1.39	8.44	-0.19	3.32	0.77	3.07	0.17	0.06	0.42	0.00
Col46	56	1.40	8.44	0.00	3.32	0.00	3.07	0.17	0.00	0.17	0.00
Col47	1	1.62	8.55	0.00	3.32	0.00	3.07	0.19	0.00	0.19	0.00
Col47	2	0.22	8.55	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col47	3	1.40	8.55	0.00	3.32	0.00	3.07	0.16	0.00	0.16	0.00
Col47	4	1.40	8.55	0.00	3.32	0.00	3.07	0.16	0.00	0.16	0.00
Col47	5	1.27	8.55	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col47	6	1.10	8.55	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col47	7	1.10	8.55	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col47	8	-0.41	21.18	0.25	3.32	-1.00	3.07	0.02	0.07	0.31	0.00
Col47	9	-0.84	21.18	0.25	3.32	-1.00	3.07	0.04	0.07	0.29	0.00
Col47	10	-0.41	21.18	-0.25	3.32	1.00	3.07	0.02	0.07	0.31	0.00
Col47	11	-0.84	21.18	-0.25	3.32	1.00	3.07	0.04	0.07	0.29	0.00
Col47	12	-0.41	21.18	-0.25	3.32	1.00	3.07	0.02	0.07	0.31	0.00
Col47	13	-0.84	21.18	-0.25	3.32	1.00	3.07	0.04	0.07	0.29	0.00
Col47	14	-0.08	21.18	-0.25	3.32	1.00	3.07	0.00	0.07	0.32	0.00
Col47	15	-0.51	21.18	-0.25	3.32	1.00	3.07	0.02	0.07	0.30	0.00
Col47	16	1.07	8.55	-0.18	3.32	0.75	3.07	0.13	0.06	0.37	0.00
Col47	17	0.75	8.55	-0.18	3.32	0.75	3.07	0.09	0.06	0.33	0.00
Col47	18	0.82	8.55	-0.18	3.32	0.75	3.07	0.10	0.06	0.34	0.00
Col47	19	0.50	8.55	-0.18	3.32	0.75	3.07	0.06	0.06	0.30	0.00
Col47	20	0.90	8.55	-0.18	3.32	0.75	3.07	0.11	0.06	0.35	0.00
Col47	21	0.58	8.55	-0.18	3.32	0.75	3.07	0.07	0.06	0.31	0.00
Col47	22	0.65	8.55	-0.18	3.32	0.75	3.07	0.08	0.06	0.32	0.00
Col47	23	0.34	8.55	-0.18	3.32	0.75	3.07	0.04	0.06	0.28	0.00
Col47	24	0.90	8.55	-0.18	3.32	0.75	3.07	0.11	0.06	0.35	0.00
Col47	25	0.58	8.55	-0.18	3.32	0.75	3.07	0.07	0.06	0.31	0.00
Col47	26	0.65	8.55	-0.18	3.32	0.75	3.07	0.08	0.06	0.32	0.00
Col47	27	0.34	8.55	-0.18	3.32	0.75	3.07	0.04	0.06	0.28	0.00
Col47	28	-0.47	21.18	0.25	3.32	-1.00	3.07	0.02	0.07	0.30	0.00
Col47	29	-0.89	21.18	0.25	3.32	-1.00	3.07	0.04	0.07	0.28	0.00
Col47	30	-0.47	21.18	-0.25	3.32	1.00	3.07	0.02	0.07	0.30	0.00
Col47	31	-0.89	21.18	-0.25	3.32	1.00	3.07	0.04	0.07	0.28	0.00
Col47	32	-0.47	21.18	-0.25	3.32	1.00	3.07	0.02	0.07	0.30	0.00
Col47	33	-0.89	21.18	-0.25	3.32	1.00	3.07	0.04	0.07	0.28	0.00
Col47	34	-0.14	21.18	-0.25	3.32	1.00	3.07	0.01	0.07	0.32	0.00
Col47	35	-0.56	21.18	-0.25	3.32	1.00	3.07	0.03	0.07	0.30	0.00
Col47	36	0.23	8.55	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col47	37	0.23	8.55	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col47	38	1.27	8.55	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col47	39	1.27	8.55	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col47	40	1.11	8.55	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col47	41	1.11	8.55	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col47	42	1.11	8.55	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col47	43	1.11	8.55	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col47	44	0.12	8.55	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col47	45	0.12	8.55	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col47	46	1.62	8.55	0.00	3.32	0.00	3.07	0.19	0.00	0.19	0.00

Col147	47	1.07	8.55	-0.18	3.32	0.75	3.07	0.13	0.06	0.37	0.00
Col147	48	0.75	8.55	-0.18	3.32	0.75	3.07	0.09	0.06	0.33	0.00
Col147	49	0.22	8.55	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col147	50	0.22	8.55	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col147	51	0.13	8.55	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col147	52	0.13	8.55	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col147	53	1.68	8.55	0.00	3.32	0.00	3.07	0.20	0.00	0.20	0.00
Col147	54	1.31	8.55	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col147	55	1.31	8.55	-0.18	3.32	0.75	3.07	0.15	0.06	0.40	0.00
Col147	56	1.31	8.55	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col148	1	1.62	8.65	0.00	3.32	0.00	3.07	0.19	0.00	0.19	0.00
Col148	2	0.22	8.65	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col148	3	1.40	8.65	0.00	3.32	0.00	3.07	0.16	0.00	0.16	0.00
Col148	4	1.40	8.65	0.00	3.32	0.00	3.07	0.16	0.00	0.16	0.00
Col148	5	1.27	8.65	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col148	6	1.10	8.65	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col148	7	1.10	8.65	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col148	8	-0.41	21.18	0.24	3.32	-0.98	3.07	0.02	0.07	0.30	0.00
Col148	9	-0.84	21.18	0.24	3.32	-0.98	3.07	0.04	0.07	0.28	0.00
Col148	10	-0.41	21.18	-0.24	3.32	0.98	3.07	0.02	0.07	0.30	0.00
Col148	11	-0.84	21.18	-0.24	3.32	0.98	3.07	0.04	0.07	0.28	0.00
Col148	12	-0.41	21.18	-0.24	3.32	0.98	3.07	0.02	0.07	0.30	0.00
Col148	13	-0.84	21.18	-0.24	3.32	0.98	3.07	0.04	0.07	0.28	0.00
Col148	14	-0.08	21.18	-0.24	3.32	0.98	3.07	0.00	0.07	0.31	0.00
Col148	15	-0.51	21.18	-0.24	3.32	0.98	3.07	0.02	0.07	0.29	0.00
Col148	16	1.07	8.65	-0.18	3.32	0.73	3.07	0.12	0.05	0.36	0.00
Col148	17	0.75	8.65	-0.18	3.32	0.73	3.07	0.09	0.05	0.32	0.00
Col148	18	0.82	8.65	-0.18	3.32	0.73	3.07	0.09	0.05	0.33	0.00
Col148	19	0.50	8.65	-0.18	3.32	0.73	3.07	0.06	0.05	0.30	0.00
Col148	20	0.90	8.65	-0.18	3.32	0.73	3.07	0.10	0.05	0.34	0.00
Col148	21	0.58	8.65	-0.18	3.32	0.73	3.07	0.07	0.05	0.31	0.00
Col148	22	0.65	8.65	-0.18	3.32	0.73	3.07	0.08	0.05	0.31	0.00
Col148	23	0.33	8.65	-0.18	3.32	0.73	3.07	0.04	0.05	0.28	0.00
Col148	24	0.90	8.65	-0.18	3.32	0.73	3.07	0.10	0.05	0.34	0.00
Col148	25	0.58	8.65	-0.18	3.32	0.73	3.07	0.07	0.05	0.31	0.00
Col148	26	0.65	8.65	-0.18	3.32	0.73	3.07	0.08	0.05	0.31	0.00
Col148	27	0.33	8.65	-0.18	3.32	0.73	3.07	0.04	0.05	0.28	0.00
Col148	28	-0.47	21.18	0.24	3.32	-0.98	3.07	0.02	0.07	0.30	0.00
Col148	29	-0.89	21.18	0.24	3.32	-0.98	3.07	0.04	0.07	0.28	0.00
Col148	30	-0.47	21.18	-0.24	3.32	0.98	3.07	0.02	0.07	0.30	0.00
Col148	31	-0.89	21.18	-0.24	3.32	0.98	3.07	0.04	0.07	0.28	0.00
Col148	32	-0.47	21.18	-0.24	3.32	0.98	3.07	0.02	0.07	0.30	0.00
Col148	33	-0.89	21.18	-0.24	3.32	0.98	3.07	0.04	0.07	0.28	0.00
Col148	34	-0.14	21.18	-0.24	3.32	0.98	3.07	0.01	0.07	0.31	0.00
Col148	35	-0.56	21.18	-0.24	3.32	0.98	3.07	0.03	0.07	0.29	0.00
Col148	36	0.22	8.65	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col148	37	0.22	8.65	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col148	38	1.27	8.65	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col148	39	1.27	8.65	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col148	40	1.11	8.65	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col148	41	1.11	8.65	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col148	42	1.11	8.65	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col148	43	1.11	8.65	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col148	44	0.12	8.65	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col148	45	0.12	8.65	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col148	46	1.62	8.65	0.00	3.32	0.00	3.07	0.19	0.00	0.19	0.00
Col148	47	1.07	8.65	-0.18	3.32	0.73	3.07	0.12	0.05	0.36	0.00
Col148	48	0.75	8.65	-0.18	3.32	0.73	3.07	0.09	0.05	0.33	0.00
Col148	49	0.22	8.65	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col148	50	0.22	8.65	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col148	51	0.13	8.65	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col148	52	0.13	8.65	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col148	53	1.41	8.65	0.00	3.32	0.00	3.07	0.16	0.00	0.16	0.00
Col148	54	1.11	8.65	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col148	55	1.11	8.65	-0.18	3.32	0.73	3.07	0.13	0.05	0.37	0.00

Col148 56 1.11 8.65 0.00 3.32 0.00 3.07 0.13 0.00 0.13 0.00

COLUMN REACTIONS:

Id	Load		In_Plane	Out_Plane
	Id	Vert(k )	Horz(k )	Horz(k )
Col138	1	1.62	0.00	0.00
Col138	2	0.22	0.00	0.00
Col138	3	1.40	0.00	0.00
Col138	4	1.40	0.00	0.00
Col138	5	1.27	0.00	0.00
Col138	6	1.10	0.00	0.00
Col138	7	1.10	0.00	0.00
Col138	8	-0.84	0.00	-0.24
Col138	9	-0.41	0.00	-0.24
Col138	10	-0.84	0.00	0.24
Col138	11	-0.41	0.00	0.24
Col138	12	-0.84	0.00	0.24
Col138	13	-0.41	0.00	0.24
Col138	14	-0.51	0.00	0.24
Col138	15	-0.08	0.00	0.24
Col138	16	0.75	0.00	0.18
Col138	17	1.07	0.00	0.18
Col138	18	0.50	0.00	0.18
Col138	19	0.82	0.00	0.18
Col138	20	0.58	0.00	0.18
Col138	21	0.90	0.00	0.18
Col138	22	0.33	0.00	0.18
Col138	23	0.65	0.00	0.18
Col138	24	0.58	0.00	0.18
Col138	25	0.90	0.00	0.18
Col138	26	0.33	0.00	0.18
Col138	27	0.65	0.00	0.18
Col138	28	-0.89	0.00	-0.24
Col138	29	-0.47	0.00	-0.24
Col138	30	-0.89	0.00	0.24
Col138	31	-0.47	0.00	0.24
Col138	32	-0.89	0.00	0.24
Col138	33	-0.47	0.00	0.24
Col138	34	-0.56	0.00	0.24
Col138	35	-0.14	0.00	0.24
Col138	36	0.22	0.00	0.00
Col138	37	0.22	0.00	0.00
Col138	38	1.27	0.00	0.00
Col138	39	1.27	0.00	0.00
Col138	40	1.11	0.00	0.00
Col138	41	1.11	0.00	0.00
Col138	42	1.11	0.00	0.00
Col138	43	1.11	0.00	0.00
Col138	44	0.12	0.00	0.00
Col138	45	0.12	0.00	0.00
Col138	46	1.62	0.00	0.00
Col138	47	0.75	0.00	0.18
Col138	48	1.07	0.00	0.18
Col138	49	0.22	0.00	0.00
Col138	50	0.22	0.00	0.00
Col138	51	0.13	0.00	0.00
Col138	52	0.13	0.00	0.00
Col138	53	1.41	0.00	0.00
Col138	54	1.11	0.00	0.00
Col138	55	1.11	0.00	0.18
Col138	56	1.11	0.00	0.00
Col139	1	1.62	0.00	0.00
Col139	2	0.22	0.00	0.00

Col139	3	1.40	0.00	0.00
Col139	4	1.40	0.00	0.00
Col139	5	1.27	0.00	0.00
Col139	6	1.10	0.00	0.00
Col139	7	1.10	0.00	0.00
Col139	8	-0.84	0.00	-0.25
Col139	9	-0.41	0.00	-0.25
Col139	10	-0.84	0.00	0.25
Col139	11	-0.41	0.00	0.25
Col139	12	-0.84	0.00	0.25
Col139	13	-0.41	0.00	0.25
Col139	14	-0.51	0.00	0.25
Col139	15	-0.08	0.00	0.25
Col139	16	0.75	0.00	0.18
Col139	17	1.07	0.00	0.18
Col139	18	0.50	0.00	0.18
Col139	19	0.82	0.00	0.18
Col139	20	0.58	0.00	0.18
Col139	21	0.90	0.00	0.18
Col139	22	0.34	0.00	0.18
Col139	23	0.65	0.00	0.18
Col139	24	0.58	0.00	0.18
Col139	25	0.90	0.00	0.18
Col139	26	0.34	0.00	0.18
Col139	27	0.65	0.00	0.18
Col139	28	-0.89	0.00	-0.25
Col139	29	-0.47	0.00	-0.25
Col139	30	-0.89	0.00	0.25
Col139	31	-0.47	0.00	0.25
Col139	32	-0.89	0.00	0.25
Col139	33	-0.47	0.00	0.25
Col139	34	-0.56	0.00	0.25
Col139	35	-0.14	0.00	0.25
Col139	36	0.23	0.00	0.00
Col139	37	0.23	0.00	0.00
Col139	38	1.27	0.00	0.00
Col139	39	1.27	0.00	0.00
Col139	40	1.11	0.00	0.00
Col139	41	1.11	0.00	0.00
Col139	42	1.11	0.00	0.00
Col139	43	1.11	0.00	0.00
Col139	44	0.12	0.00	0.00
Col139	45	0.12	0.00	0.00
Col139	46	1.62	0.00	0.00
Col139	47	0.75	0.00	0.18
Col139	48	1.07	0.00	0.18
Col139	49	0.22	0.00	0.00
Col139	50	0.22	0.00	0.00
Col139	51	0.13	0.00	0.00
Col139	52	0.13	0.00	0.00
Col139	53	1.68	0.00	0.00
Col139	54	1.31	0.00	0.00
Col139	55	1.31	0.00	0.18
Col139	56	1.31	0.00	0.00
Col140	1	1.62	0.00	0.00
Col140	2	0.22	0.00	0.00
Col140	3	1.40	0.00	0.00
Col140	4	1.40	0.00	0.00
Col140	5	1.27	0.00	0.00
Col140	6	1.10	0.00	0.00
Col140	7	1.10	0.00	0.00
Col140	8	-0.84	0.00	-0.25
Col140	9	-0.41	0.00	-0.25
Col140	10	-0.84	0.00	0.25
Col140	11	-0.41	0.00	0.25



Col140	12	-0.84	0.00	0.25
Col140	13	-0.41	0.00	0.25
Col140	14	-0.51	0.00	0.25
Col140	15	-0.08	0.00	0.25
Col140	16	0.75	0.00	0.19
Col140	17	1.07	0.00	0.19
Col140	18	0.50	0.00	0.19
Col140	19	0.82	0.00	0.19
Col140	20	0.58	0.00	0.19
Col140	21	0.90	0.00	0.19
Col140	22	0.34	0.00	0.19
Col140	23	0.65	0.00	0.19
Col140	24	0.58	0.00	0.19
Col140	25	0.90	0.00	0.19
Col140	26	0.34	0.00	0.19
Col140	27	0.65	0.00	0.19
Col140	28	-0.89	0.00	-0.25
Col140	29	-0.47	0.00	-0.25
Col140	30	-0.89	0.00	0.25
Col140	31	-0.47	0.00	0.25
Col140	32	-0.89	0.00	0.25
Col140	33	-0.47	0.00	0.25
Col140	34	-0.56	0.00	0.25
Col140	35	-0.14	0.00	0.25
Col140	36	0.23	0.00	0.00
Col140	37	0.23	0.00	0.00
Col140	38	1.27	0.00	0.00
Col140	39	1.27	0.00	0.00
Col140	40	1.11	0.00	0.00
Col140	41	1.11	0.00	0.00
Col140	42	1.11	0.00	0.00
Col140	43	1.11	0.00	0.00
Col140	44	0.13	0.00	0.00
Col140	45	0.13	0.00	0.00
Col140	46	1.62	0.00	0.00
Col140	47	0.75	0.00	0.19
Col140	48	1.07	0.00	0.19
Col140	49	0.22	0.00	0.00
Col140	50	0.22	0.00	0.00
Col140	51	0.13	0.00	0.00
Col140	52	0.13	0.00	0.00
Col140	53	1.79	0.00	0.00
Col140	54	1.39	0.00	0.00
Col140	55	1.39	0.00	0.19
Col140	56	1.40	0.00	0.00
Col141	1	1.62	0.00	0.00
Col141	2	0.22	0.00	0.00
Col141	3	1.40	0.00	0.00
Col141	4	1.40	0.00	0.00
Col141	5	1.27	0.00	0.00
Col141	6	1.10	0.00	0.00
Col141	7	1.10	0.00	0.00
Col141	8	-0.84	0.00	-0.25
Col141	9	-0.41	0.00	-0.25
Col141	10	-0.84	0.00	0.25
Col141	11	-0.41	0.00	0.25
Col141	12	-0.84	0.00	0.25
Col141	13	-0.41	0.00	0.25
Col141	14	-0.51	0.00	0.25
Col141	15	-0.08	0.00	0.25
Col141	16	0.75	0.00	0.19
Col141	17	1.07	0.00	0.19
Col141	18	0.50	0.00	0.19
Col141	19	0.82	0.00	0.19
Col141	20	0.58	0.00	0.19

Col41	21	0.90	0.00	0.19
Col41	22	0.34	0.00	0.19
Col41	23	0.65	0.00	0.19
Col41	24	0.58	0.00	0.19
Col41	25	0.90	0.00	0.19
Col41	26	0.34	0.00	0.19
Col41	27	0.65	0.00	0.19
Col41	28	-0.89	0.00	-0.25
Col41	29	-0.47	0.00	-0.25
Col41	30	-0.89	0.00	0.25
Col41	31	-0.47	0.00	0.25
Col41	32	-0.89	0.00	0.25
Col41	33	-0.47	0.00	0.25
Col41	34	-0.56	0.00	0.25
Col41	35	-0.14	0.00	0.25
Col41	36	0.23	0.00	0.00
Col41	37	0.23	0.00	0.00
Col41	38	1.27	0.00	0.00
Col41	39	1.27	0.00	0.00
Col41	40	1.11	0.00	0.00
Col41	41	1.11	0.00	0.00
Col41	42	1.11	0.00	0.00
Col41	43	1.11	0.00	0.00
Col41	44	0.13	0.00	0.00
Col41	45	0.13	0.00	0.00
Col41	46	1.62	0.00	0.00
Col41	47	0.75	0.00	0.19
Col41	48	1.07	0.00	0.19
Col41	49	0.22	0.00	0.00
Col41	50	0.22	0.00	0.00
Col41	51	0.13	0.00	0.00
Col41	52	0.13	0.00	0.00
Col41	53	1.79	0.00	0.00
Col41	54	1.40	0.00	0.00
Col41	55	1.40	0.00	0.19
Col41	56	1.40	0.00	0.00
Col42	1	1.62	0.00	0.00
Col42	2	0.22	0.00	0.00
Col42	3	1.40	0.00	0.00
Col42	4	1.40	0.00	0.00
Col42	5	1.27	0.00	0.00
Col42	6	1.10	0.00	0.00
Col42	7	1.10	0.00	0.00
Col42	8	-0.84	0.00	-0.25
Col42	9	-0.41	0.00	-0.25
Col42	10	-0.84	0.00	0.25
Col42	11	-0.41	0.00	0.25
Col42	12	-0.84	0.00	0.25
Col42	13	-0.41	0.00	0.25
Col42	14	-0.50	0.00	0.25
Col42	15	-0.08	0.00	0.25
Col42	16	0.75	0.00	0.19
Col42	17	1.07	0.00	0.19
Col42	18	0.50	0.00	0.19
Col42	19	0.82	0.00	0.19
Col42	20	0.59	0.00	0.19
Col42	21	0.90	0.00	0.19
Col42	22	0.34	0.00	0.19
Col42	23	0.65	0.00	0.19
Col42	24	0.59	0.00	0.19
Col42	25	0.90	0.00	0.19
Col42	26	0.34	0.00	0.19
Col42	27	0.65	0.00	0.19
Col42	28	-0.89	0.00	-0.25
Col42	29	-0.47	0.00	-0.25

Col42	30	-0.89	0.00	0.25
Col42	31	-0.47	0.00	0.25
Col42	32	-0.89	0.00	0.25
Col42	33	-0.47	0.00	0.25
Col42	34	-0.56	0.00	0.25
Col42	35	-0.14	0.00	0.25
Col42	36	0.23	0.00	0.00
Col42	37	0.23	0.00	0.00
Col42	38	1.28	0.00	0.00
Col42	39	1.27	0.00	0.00
Col42	40	1.11	0.00	0.00
Col42	41	1.11	0.00	0.00
Col42	42	1.11	0.00	0.00
Col42	43	1.11	0.00	0.00
Col42	44	0.13	0.00	0.00
Col42	45	0.13	0.00	0.00
Col42	46	1.62	0.00	0.00
Col42	47	0.75	0.00	0.19
Col42	48	1.07	0.00	0.19
Col42	49	0.22	0.00	0.00
Col42	50	0.22	0.00	0.00
Col42	51	0.13	0.00	0.00
Col42	52	0.13	0.00	0.00
Col42	53	1.79	0.00	0.00
Col42	54	1.40	0.00	0.00
Col42	55	1.40	0.00	0.19
Col42	56	1.40	0.00	0.00
Col43	1	1.62	0.00	0.00
Col43	2	0.22	0.00	0.00
Col43	3	1.40	0.00	0.00
Col43	4	1.40	0.00	0.00
Col43	5	1.27	0.00	0.00
Col43	6	1.10	0.00	0.00
Col43	7	1.10	0.00	0.00
Col43	8	-0.61	0.00	-0.26
Col43	9	-0.61	0.00	-0.26
Col43	10	-0.61	0.00	0.26
Col43	11	-0.61	0.00	0.26
Col43	12	-0.61	0.00	0.26
Col43	13	-0.61	0.00	0.26
Col43	14	-0.29	0.00	0.26
Col43	15	-0.29	0.00	0.26
Col43	16	0.92	0.00	0.19
Col43	17	0.92	0.00	0.19
Col43	18	0.67	0.00	0.19
Col43	19	0.67	0.00	0.19
Col43	20	0.75	0.00	0.19
Col43	21	0.75	0.00	0.19
Col43	22	0.50	0.00	0.19
Col43	23	0.50	0.00	0.19
Col43	24	0.75	0.00	0.19
Col43	25	0.75	0.00	0.19
Col43	26	0.50	0.00	0.19
Col43	27	0.50	0.00	0.19
Col43	28	-0.67	0.00	-0.26
Col43	29	-0.67	0.00	-0.26
Col43	30	-0.67	0.00	0.26
Col43	31	-0.67	0.00	0.26
Col43	32	-0.67	0.00	0.26
Col43	33	-0.67	0.00	0.26
Col43	34	-0.34	0.00	0.26
Col43	35	-0.34	0.00	0.26
Col43	36	0.23	0.00	0.00
Col43	37	0.23	0.00	0.00
Col43	38	1.27	0.00	0.00

Col43	39	1.27	0.00	0.00
Col43	40	1.11	0.00	0.00
Col43	41	1.11	0.00	0.00
Col43	42	1.11	0.00	0.00
Col43	43	1.11	0.00	0.00
Col43	44	0.13	0.00	0.00
Col43	45	0.13	0.00	0.00
Col43	46	1.59	0.00	0.00
Col43	47	0.90	0.00	0.19
Col43	48	0.90	0.00	0.19
Col43	49	0.22	0.00	0.00
Col43	50	0.22	0.00	0.00
Col43	51	0.13	0.00	0.00
Col43	52	0.13	0.00	0.00
Col43	53	1.76	0.00	0.00
Col43	54	1.37	0.00	0.00
Col43	55	1.37	0.00	0.19
Col43	56	1.37	0.00	0.00
Col44	1	1.62	0.00	0.00
Col44	2	0.22	0.00	0.00
Col44	3	1.40	0.00	0.00
Col44	4	1.40	0.00	0.00
Col44	5	1.27	0.00	0.00
Col44	6	1.10	0.00	0.00
Col44	7	1.10	0.00	0.00
Col44	8	-0.41	0.00	-0.25
Col44	9	-0.84	0.00	-0.25
Col44	10	-0.41	0.00	0.25
Col44	11	-0.84	0.00	0.25
Col44	12	-0.41	0.00	0.25
Col44	13	-0.84	0.00	0.25
Col44	14	-0.08	0.00	0.25
Col44	15	-0.50	0.00	0.25
Col44	16	1.07	0.00	0.19
Col44	17	0.75	0.00	0.19
Col44	18	0.82	0.00	0.19
Col44	19	0.50	0.00	0.19
Col44	20	0.90	0.00	0.19
Col44	21	0.59	0.00	0.19
Col44	22	0.65	0.00	0.19
Col44	23	0.34	0.00	0.19
Col44	24	0.90	0.00	0.19
Col44	25	0.59	0.00	0.19
Col44	26	0.65	0.00	0.19
Col44	27	0.34	0.00	0.19
Col44	28	-0.47	0.00	-0.25
Col44	29	-0.89	0.00	-0.25
Col44	30	-0.47	0.00	0.25
Col44	31	-0.89	0.00	0.25
Col44	32	-0.47	0.00	0.25
Col44	33	-0.89	0.00	0.25
Col44	34	-0.14	0.00	0.25
Col44	35	-0.56	0.00	0.25
Col44	36	0.23	0.00	0.00
Col44	37	0.23	0.00	0.00
Col44	38	1.27	0.00	0.00
Col44	39	1.28	0.00	0.00
Col44	40	1.11	0.00	0.00
Col44	41	1.11	0.00	0.00
Col44	42	1.11	0.00	0.00
Col44	43	1.11	0.00	0.00
Col44	44	0.13	0.00	0.00
Col44	45	0.13	0.00	0.00
Col44	46	1.62	0.00	0.00
Col44	47	1.07	0.00	0.19

Col144	48	0.75	0.00	0.19
Col144	49	0.22	0.00	0.00
Col144	50	0.22	0.00	0.00
Col144	51	0.13	0.00	0.00
Col144	52	0.13	0.00	0.00
Col144	53	1.79	0.00	0.00
Col144	54	1.40	0.00	0.00
Col144	55	1.40	0.00	0.19
Col144	56	1.40	0.00	0.00
Col145	1	1.62	0.00	0.00
Col145	2	0.22	0.00	0.00
Col145	3	1.40	0.00	0.00
Col145	4	1.40	0.00	0.00
Col145	5	1.27	0.00	0.00
Col145	6	1.10	0.00	0.00
Col145	7	1.10	0.00	0.00
Col145	8	-0.41	0.00	-0.25
Col145	9	-0.84	0.00	-0.25
Col145	10	-0.41	0.00	0.25
Col145	11	-0.84	0.00	0.25
Col145	12	-0.41	0.00	0.25
Col145	13	-0.84	0.00	0.25
Col145	14	-0.08	0.00	0.25
Col145	15	-0.51	0.00	0.25
Col145	16	1.07	0.00	0.19
Col145	17	0.75	0.00	0.19
Col145	18	0.82	0.00	0.19
Col145	19	0.50	0.00	0.19
Col145	20	0.90	0.00	0.19
Col145	21	0.58	0.00	0.19
Col145	22	0.65	0.00	0.19
Col145	23	0.34	0.00	0.19
Col145	24	0.90	0.00	0.19
Col145	25	0.58	0.00	0.19
Col145	26	0.65	0.00	0.19
Col145	27	0.34	0.00	0.19
Col145	28	-0.47	0.00	-0.25
Col145	29	-0.89	0.00	-0.25
Col145	30	-0.47	0.00	0.25
Col145	31	-0.89	0.00	0.25
Col145	32	-0.47	0.00	0.25
Col145	33	-0.89	0.00	0.25
Col145	34	-0.14	0.00	0.25
Col145	35	-0.56	0.00	0.25
Col145	36	0.23	0.00	0.00
Col145	37	0.23	0.00	0.00
Col145	38	1.27	0.00	0.00
Col145	39	1.27	0.00	0.00
Col145	40	1.11	0.00	0.00
Col145	41	1.11	0.00	0.00
Col145	42	1.11	0.00	0.00
Col145	43	1.11	0.00	0.00
Col145	44	0.13	0.00	0.00
Col145	45	0.13	0.00	0.00
Col145	46	1.62	0.00	0.00
Col145	47	1.07	0.00	0.19
Col145	48	0.75	0.00	0.19
Col145	49	0.22	0.00	0.00
Col145	50	0.22	0.00	0.00
Col145	51	0.13	0.00	0.00
Col145	52	0.13	0.00	0.00
Col145	53	1.79	0.00	0.00
Col145	54	1.40	0.00	0.00
Col145	55	1.40	0.00	0.19
Col145	56	1.40	0.00	0.00

Col146	1	1.62	0.00	0.00
Col146	2	0.22	0.00	0.00
Col146	3	1.40	0.00	0.00
Col146	4	1.40	0.00	0.00
Col146	5	1.27	0.00	0.00
Col146	6	1.10	0.00	0.00
Col146	7	1.10	0.00	0.00
Col146	8	-0.41	0.00	-0.25
Col146	9	-0.84	0.00	-0.25
Col146	10	-0.41	0.00	0.25
Col146	11	-0.84	0.00	0.25
Col146	12	-0.41	0.00	0.25
Col146	13	-0.84	0.00	0.25
Col146	14	-0.08	0.00	0.25
Col146	15	-0.51	0.00	0.25
Col146	16	1.07	0.00	0.19
Col146	17	0.75	0.00	0.19
Col146	18	0.82	0.00	0.19
Col146	19	0.50	0.00	0.19
Col146	20	0.90	0.00	0.19
Col146	21	0.58	0.00	0.19
Col146	22	0.65	0.00	0.19
Col146	23	0.34	0.00	0.19
Col146	24	0.90	0.00	0.19
Col146	25	0.58	0.00	0.19
Col146	26	0.65	0.00	0.19
Col146	27	0.34	0.00	0.19
Col146	28	-0.47	0.00	-0.25
Col146	29	-0.89	0.00	-0.25
Col146	30	-0.47	0.00	0.25
Col146	31	-0.89	0.00	0.25
Col146	32	-0.47	0.00	0.25
Col146	33	-0.89	0.00	0.25
Col146	34	-0.14	0.00	0.25
Col146	35	-0.56	0.00	0.25
Col146	36	0.23	0.00	0.00
Col146	37	0.23	0.00	0.00
Col146	38	1.27	0.00	0.00
Col146	39	1.27	0.00	0.00
Col146	40	1.11	0.00	0.00
Col146	41	1.11	0.00	0.00
Col146	42	1.11	0.00	0.00
Col146	43	1.11	0.00	0.00
Col146	44	0.13	0.00	0.00
Col146	45	0.13	0.00	0.00
Col146	46	1.62	0.00	0.00
Col146	47	1.07	0.00	0.19
Col146	48	0.75	0.00	0.19
Col146	49	0.22	0.00	0.00
Col146	50	0.22	0.00	0.00
Col146	51	0.13	0.00	0.00
Col146	52	0.13	0.00	0.00
Col146	53	1.79	0.00	0.00
Col146	54	1.39	0.00	0.00
Col146	55	1.39	0.00	0.19
Col146	56	1.40	0.00	0.00
Col147	1	1.62	0.00	0.00
Col147	2	0.22	0.00	0.00
Col147	3	1.40	0.00	0.00
Col147	4	1.40	0.00	0.00
Col147	5	1.27	0.00	0.00
Col147	6	1.10	0.00	0.00
Col147	7	1.10	0.00	0.00
Col147	8	-0.41	0.00	-0.25
Col147	9	-0.84	0.00	-0.25

Col47	10	-0.41	0.00	0.25
Col47	11	-0.84	0.00	0.25
Col47	12	-0.41	0.00	0.25
Col47	13	-0.84	0.00	0.25
Col47	14	-0.08	0.00	0.25
Col47	15	-0.51	0.00	0.25
Col47	16	1.07	0.00	0.18
Col47	17	0.75	0.00	0.18
Col47	18	0.82	0.00	0.18
Col47	19	0.50	0.00	0.18
Col47	20	0.90	0.00	0.18
Col47	21	0.58	0.00	0.18
Col47	22	0.65	0.00	0.18
Col47	23	0.34	0.00	0.18
Col47	24	0.90	0.00	0.18
Col47	25	0.58	0.00	0.18
Col47	26	0.65	0.00	0.18
Col47	27	0.34	0.00	0.18
Col47	28	-0.47	0.00	-0.25
Col47	29	-0.89	0.00	-0.25
Col47	30	-0.47	0.00	0.25
Col47	31	-0.89	0.00	0.25
Col47	32	-0.47	0.00	0.25
Col47	33	-0.89	0.00	0.25
Col47	34	-0.14	0.00	0.25
Col47	35	-0.56	0.00	0.25
Col47	36	0.23	0.00	0.00
Col47	37	0.23	0.00	0.00
Col47	38	1.27	0.00	0.00
Col47	39	1.27	0.00	0.00
Col47	40	1.11	0.00	0.00
Col47	41	1.11	0.00	0.00
Col47	42	1.11	0.00	0.00
Col47	43	1.11	0.00	0.00
Col47	44	0.12	0.00	0.00
Col47	45	0.12	0.00	0.00
Col47	46	1.62	0.00	0.00
Col47	47	1.07	0.00	0.18
Col47	48	0.75	0.00	0.18
Col47	49	0.22	0.00	0.00
Col47	50	0.22	0.00	0.00
Col47	51	0.13	0.00	0.00
Col47	52	0.13	0.00	0.00
Col47	53	1.68	0.00	0.00
Col47	54	1.31	0.00	0.00
Col47	55	1.31	0.00	0.18
Col47	56	1.31	0.00	0.00
Col48	1	1.62	0.00	0.00
Col48	2	0.22	0.00	0.00
Col48	3	1.40	0.00	0.00
Col48	4	1.40	0.00	0.00
Col48	5	1.27	0.00	0.00
Col48	6	1.10	0.00	0.00
Col48	7	1.10	0.00	0.00
Col48	8	-0.41	0.00	-0.24
Col48	9	-0.84	0.00	-0.24
Col48	10	-0.41	0.00	0.24
Col48	11	-0.84	0.00	0.24
Col48	12	-0.41	0.00	0.24
Col48	13	-0.84	0.00	0.24
Col48	14	-0.08	0.00	0.24
Col48	15	-0.51	0.00	0.24
Col48	16	1.07	0.00	0.18
Col48	17	0.75	0.00	0.18
Col48	18	0.82	0.00	0.18

Col48	19	0.50	0.00	0.18
Col48	20	0.90	0.00	0.18
Col48	21	0.58	0.00	0.18
Col48	22	0.65	0.00	0.18
Col48	23	0.33	0.00	0.18
Col48	24	0.90	0.00	0.18
Col48	25	0.58	0.00	0.18
Col48	26	0.65	0.00	0.18
Col48	27	0.33	0.00	0.18
Col48	28	-0.47	0.00	-0.24
Col48	29	-0.89	0.00	-0.24
Col48	30	-0.47	0.00	0.24
Col48	31	-0.89	0.00	0.24
Col48	32	-0.47	0.00	0.24
Col48	33	-0.89	0.00	0.24
Col48	34	-0.14	0.00	0.24
Col48	35	-0.56	0.00	0.24
Col48	36	0.22	0.00	0.00
Col48	37	0.22	0.00	0.00
Col48	38	1.27	0.00	0.00
Col48	39	1.27	0.00	0.00
Col48	40	1.11	0.00	0.00
Col48	41	1.11	0.00	0.00
Col48	42	1.11	0.00	0.00
Col48	43	1.11	0.00	0.00
Col48	44	0.12	0.00	0.00
Col48	45	0.12	0.00	0.00
Col48	46	1.62	0.00	0.00
Col48	47	1.07	0.00	0.18
Col48	48	0.75	0.00	0.18
Col48	49	0.22	0.00	0.00
Col48	50	0.22	0.00	0.00
Col48	51	0.13	0.00	0.00
Col48	52	0.13	0.00	0.00
Col48	53	1.41	0.00	0.00
Col48	54	1.11	0.00	0.00
Col48	55	1.11	0.00	0.18
Col48	56	1.11	0.00	0.00

COLUMN DEFLECTIONS:

Id	Load	Deflection (in)	
	Id	Calc	Limit
Col138	1	0.00	1.08
Col138	2	0.00	1.08
Col138	3	0.00	1.08
Col138	4	0.00	1.08
Col138	5	0.00	1.08
Col138	6	0.00	1.08
Col138	7	0.00	1.08
Col138	8	-0.37	1.08
Col138	9	-0.37	1.08
Col138	10	0.37	1.08
Col138	11	0.37	1.08
Col138	12	0.37	1.08
Col138	13	0.37	1.08
Col138	14	0.37	1.08
Col138	15	0.37	1.08
Col138	16	0.27	1.08
Col138	17	0.27	1.08
Col138	18	0.27	1.08
Col138	19	0.27	1.08
Col138	20	0.27	1.08
Col138	21	0.27	1.08



Col138	22	0.27	1.08
Col138	23	0.27	1.08
Col138	24	0.27	1.08
Col138	25	0.27	1.08
Col138	26	0.27	1.08
Col138	27	0.27	1.08
Col138	28	-0.37	1.08
Col138	29	-0.37	1.08
Col138	30	0.37	1.08
Col138	31	0.37	1.08
Col138	32	0.37	1.08
Col138	33	0.37	1.08
Col138	34	0.37	1.08
Col138	35	0.37	1.08
Col138	36	0.00	1.08
Col138	37	0.00	1.08
Col138	38	0.00	1.08
Col138	39	0.00	1.08
Col138	40	0.00	1.08
Col138	41	0.00	1.08
Col138	42	0.00	1.08
Col138	43	0.00	1.08
Col138	44	0.00	1.08
Col138	45	0.00	1.08
Col138	46	0.00	1.08
Col138	47	0.16	1.08
Col138	48	0.16	1.08
Col138	49	0.00	1.08
Col138	50	0.00	1.08
Col138	51	0.27	1.08
Col138	52	0.00	1.08
Col139	1	0.00	1.09
Col139	2	0.00	1.09
Col139	3	0.00	1.09
Col139	4	0.00	1.09
Col139	5	0.00	1.09
Col139	6	0.00	1.09
Col139	7	0.00	1.09
Col139	8	-0.39	1.09
Col139	9	-0.39	1.09
Col139	10	0.39	1.09
Col139	11	0.39	1.09
Col139	12	0.39	1.09
Col139	13	0.39	1.09
Col139	14	0.39	1.09
Col139	15	0.39	1.09
Col139	16	0.29	1.09
Col139	17	0.29	1.09
Col139	18	0.29	1.09
Col139	19	0.29	1.09
Col139	20	0.29	1.09
Col139	21	0.29	1.09
Col139	22	0.29	1.09
Col139	23	0.29	1.09
Col139	24	0.29	1.09
Col139	25	0.29	1.09
Col139	26	0.29	1.09
Col139	27	0.29	1.09
Col139	28	-0.39	1.09
Col139	29	-0.39	1.09
Col139	30	0.39	1.09
Col139	31	0.39	1.09
Col139	32	0.39	1.09
Col139	33	0.39	1.09
Col139	34	0.39	1.09

Col139	35	0.39	1.09
Col139	36	0.00	1.09
Col139	37	0.00	1.09
Col139	38	0.00	1.09
Col139	39	0.00	1.09
Col139	40	0.00	1.09
Col139	41	0.00	1.09
Col139	42	0.00	1.09
Col139	43	0.00	1.09
Col139	44	0.00	1.09
Col139	45	0.00	1.09
Col139	46	0.00	1.09
Col139	47	0.17	1.09
Col139	48	0.17	1.09
Col139	49	0.00	1.09
Col139	50	0.00	1.09
Col139	51	0.29	1.09
Col139	52	0.00	1.09
Col140	1	0.00	1.10
Col140	2	0.00	1.10
Col140	3	0.00	1.10
Col140	4	0.00	1.10
Col140	5	0.00	1.10
Col140	6	0.00	1.10
Col140	7	0.00	1.10
Col140	8	-0.41	1.10
Col140	9	-0.41	1.10
Col140	10	0.41	1.10
Col140	11	0.41	1.10
Col140	12	0.41	1.10
Col140	13	0.41	1.10
Col140	14	0.41	1.10
Col140	15	0.41	1.10
Col140	16	0.30	1.10
Col140	17	0.30	1.10
Col140	18	0.30	1.10
Col140	19	0.30	1.10
Col140	20	0.30	1.10
Col140	21	0.30	1.10
Col140	22	0.30	1.10
Col140	23	0.30	1.10
Col140	24	0.30	1.10
Col140	25	0.30	1.10
Col140	26	0.30	1.10
Col140	27	0.30	1.10
Col140	28	-0.41	1.10
Col140	29	-0.41	1.10
Col140	30	0.41	1.10
Col140	31	0.41	1.10
Col140	32	0.41	1.10
Col140	33	0.41	1.10
Col140	34	0.41	1.10
Col140	35	0.41	1.10
Col140	36	0.00	1.10
Col140	37	0.00	1.10
Col140	38	0.00	1.10
Col140	39	0.00	1.10
Col140	40	0.00	1.10
Col140	41	0.00	1.10
Col140	42	0.00	1.10
Col140	43	0.00	1.10
Col140	44	0.00	1.10
Col140	45	0.00	1.10
Col140	46	0.00	1.10
Col140	47	0.18	1.10

Col40	48	0.18	1.10
Col40	49	0.00	1.10
Col40	50	0.00	1.10
Col40	51	0.30	1.10
Col40	52	0.00	1.10
Col41	1	0.00	1.12
Col41	2	0.00	1.12
Col41	3	0.00	1.12
Col41	4	0.00	1.12
Col41	5	0.00	1.12
Col41	6	0.00	1.12
Col41	7	0.00	1.12
Col41	8	-0.43	1.12
Col41	9	-0.43	1.12
Col41	10	0.43	1.12
Col41	11	0.43	1.12
Col41	12	0.43	1.12
Col41	13	0.43	1.12
Col41	14	0.43	1.12
Col41	15	0.43	1.12
Col41	16	0.32	1.12
Col41	17	0.32	1.12
Col41	18	0.32	1.12
Col41	19	0.32	1.12
Col41	20	0.32	1.12
Col41	21	0.32	1.12
Col41	22	0.32	1.12
Col41	23	0.32	1.12
Col41	24	0.32	1.12
Col41	25	0.32	1.12
Col41	26	0.32	1.12
Col41	27	0.32	1.12
Col41	28	-0.43	1.12
Col41	29	-0.43	1.12
Col41	30	0.43	1.12
Col41	31	0.43	1.12
Col41	32	0.43	1.12
Col41	33	0.43	1.12
Col41	34	0.43	1.12
Col41	35	0.43	1.12
Col41	36	0.00	1.12
Col41	37	0.00	1.12
Col41	38	0.00	1.12
Col41	39	0.00	1.12
Col41	40	0.00	1.12
Col41	41	0.00	1.12
Col41	42	0.00	1.12
Col41	43	0.00	1.12
Col41	44	0.00	1.12
Col41	45	0.00	1.12
Col41	46	0.00	1.12
Col41	47	0.19	1.12
Col41	48	0.19	1.12
Col41	49	0.00	1.12
Col41	50	0.00	1.12
Col41	51	0.32	1.12
Col41	52	0.00	1.12
Col42	1	0.00	1.13
Col42	2	0.00	1.13
Col42	3	0.00	1.13
Col42	4	0.00	1.13
Col42	5	0.00	1.13
Col42	6	0.00	1.13
Col42	7	0.00	1.13
Col42	8	-0.45	1.13

Col42	9	-0.45	1.13
Col42	10	0.45	1.13
Col42	11	0.45	1.13
Col42	12	0.45	1.13
Col42	13	0.45	1.13
Col42	14	0.45	1.13
Col42	15	0.45	1.13
Col42	16	0.34	1.13
Col42	17	0.34	1.13
Col42	18	0.34	1.13
Col42	19	0.34	1.13
Col42	20	0.34	1.13
Col42	21	0.34	1.13
Col42	22	0.34	1.13
Col42	23	0.34	1.13
Col42	24	0.34	1.13
Col42	25	0.34	1.13
Col42	26	0.34	1.13
Col42	27	0.34	1.13
Col42	28	-0.45	1.13
Col42	29	-0.45	1.13
Col42	30	0.45	1.13
Col42	31	0.45	1.13
Col42	32	0.45	1.13
Col42	33	0.45	1.13
Col42	34	0.45	1.13
Col42	35	0.45	1.13
Col42	36	0.00	1.13
Col42	37	0.00	1.13
Col42	38	0.00	1.13
Col42	39	0.00	1.13
Col42	40	0.00	1.13
Col42	41	0.00	1.13
Col42	42	0.00	1.13
Col42	43	0.00	1.13
Col42	44	0.00	1.13
Col42	45	0.00	1.13
Col42	46	0.00	1.13
Col42	47	0.20	1.13
Col42	48	0.20	1.13
Col42	49	0.00	1.13
Col42	50	0.00	1.13
Col42	51	0.34	1.13
Col42	52	0.00	1.13
Col43	1	0.00	1.14
Col43	2	0.00	1.14
Col43	3	0.00	1.14
Col43	4	0.00	1.14
Col43	5	0.00	1.14
Col43	6	0.00	1.14
Col43	7	0.00	1.14
Col43	8	-0.46	1.14
Col43	9	-0.46	1.14
Col43	10	0.46	1.14
Col43	11	0.46	1.14
Col43	12	0.46	1.14
Col43	13	0.46	1.14
Col43	14	0.46	1.14
Col43	15	0.46	1.14
Col43	16	0.35	1.14
Col43	17	0.35	1.14
Col43	18	0.35	1.14
Col43	19	0.35	1.14
Col43	20	0.35	1.14
Col43	21	0.35	1.14

Col43	22	0.35	1.14
Col43	23	0.35	1.14
Col43	24	0.35	1.14
Col43	25	0.35	1.14
Col43	26	0.35	1.14
Col43	27	0.35	1.14
Col43	28	-0.46	1.14
Col43	29	-0.46	1.14
Col43	30	0.46	1.14
Col43	31	0.46	1.14
Col43	32	0.46	1.14
Col43	33	0.46	1.14
Col43	34	0.46	1.14
Col43	35	0.46	1.14
Col43	36	0.00	1.14
Col43	37	0.00	1.14
Col43	38	0.00	1.14
Col43	39	0.00	1.14
Col43	40	0.00	1.14
Col43	41	0.00	1.14
Col43	42	0.00	1.14
Col43	43	0.00	1.14
Col43	44	0.00	1.14
Col43	45	0.00	1.14
Col43	46	0.00	1.14
Col43	47	0.21	1.14
Col43	48	0.21	1.14
Col43	49	0.00	1.14
Col43	50	0.00	1.14
Col43	51	0.35	1.14
Col43	52	0.00	1.14
Col44	1	0.00	1.13
Col44	2	0.00	1.13
Col44	3	0.00	1.13
Col44	4	0.00	1.13
Col44	5	0.00	1.13
Col44	6	0.00	1.13
Col44	7	0.00	1.13
Col44	8	-0.45	1.13
Col44	9	-0.45	1.13
Col44	10	0.45	1.13
Col44	11	0.45	1.13
Col44	12	0.45	1.13
Col44	13	0.45	1.13
Col44	14	0.45	1.13
Col44	15	0.45	1.13
Col44	16	0.34	1.13
Col44	17	0.34	1.13
Col44	18	0.34	1.13
Col44	19	0.34	1.13
Col44	20	0.34	1.13
Col44	21	0.34	1.13
Col44	22	0.34	1.13
Col44	23	0.34	1.13
Col44	24	0.34	1.13
Col44	25	0.34	1.13
Col44	26	0.34	1.13
Col44	27	0.34	1.13
Col44	28	-0.45	1.13
Col44	29	-0.45	1.13
Col44	30	0.45	1.13
Col44	31	0.45	1.13
Col44	32	0.45	1.13
Col44	33	0.45	1.13
Col44	34	0.45	1.13

Col44	35	0.45	1.13
Col44	36	0.00	1.13
Col44	37	0.00	1.13
Col44	38	0.00	1.13
Col44	39	0.00	1.13
Col44	40	0.00	1.13
Col44	41	0.00	1.13
Col44	42	0.00	1.13
Col44	43	0.00	1.13
Col44	44	0.00	1.13
Col44	45	0.00	1.13
Col44	46	0.00	1.13
Col44	47	0.20	1.13
Col44	48	0.20	1.13
Col44	49	0.00	1.13
Col44	50	0.00	1.13
Col44	51	0.34	1.13
Col44	52	0.00	1.13
Col45	1	0.00	1.12
Col45	2	0.00	1.12
Col45	3	0.00	1.12
Col45	4	0.00	1.12
Col45	5	0.00	1.12
Col45	6	0.00	1.12
Col45	7	0.00	1.12
Col45	8	-0.43	1.12
Col45	9	-0.43	1.12
Col45	10	0.43	1.12
Col45	11	0.43	1.12
Col45	12	0.43	1.12
Col45	13	0.43	1.12
Col45	14	0.43	1.12
Col45	15	0.43	1.12
Col45	16	0.32	1.12
Col45	17	0.32	1.12
Col45	18	0.32	1.12
Col45	19	0.32	1.12
Col45	20	0.32	1.12
Col45	21	0.32	1.12
Col45	22	0.32	1.12
Col45	23	0.32	1.12
Col45	24	0.32	1.12
Col45	25	0.32	1.12
Col45	26	0.32	1.12
Col45	27	0.32	1.12
Col45	28	-0.43	1.12
Col45	29	-0.43	1.12
Col45	30	0.43	1.12
Col45	31	0.43	1.12
Col45	32	0.43	1.12
Col45	33	0.43	1.12
Col45	34	0.43	1.12
Col45	35	0.43	1.12
Col45	36	0.00	1.12
Col45	37	0.00	1.12
Col45	38	0.00	1.12
Col45	39	0.00	1.12
Col45	40	0.00	1.12
Col45	41	0.00	1.12
Col45	42	0.00	1.12
Col45	43	0.00	1.12
Col45	44	0.00	1.12
Col45	45	0.00	1.12
Col45	46	0.00	1.12
Col45	47	0.19	1.12

Col45	48	0.19	1.12
Col45	49	0.00	1.12
Col45	50	0.00	1.12
Col45	51	0.32	1.12
Col45	52	0.00	1.12
Col46	1	0.00	1.10
Col46	2	0.00	1.10
Col46	3	0.00	1.10
Col46	4	0.00	1.10
Col46	5	0.00	1.10
Col46	6	0.00	1.10
Col46	7	0.00	1.10
Col46	8	-0.41	1.10
Col46	9	-0.41	1.10
Col46	10	0.41	1.10
Col46	11	0.41	1.10
Col46	12	0.41	1.10
Col46	13	0.41	1.10
Col46	14	0.41	1.10
Col46	15	0.41	1.10
Col46	16	0.30	1.10
Col46	17	0.30	1.10
Col46	18	0.30	1.10
Col46	19	0.30	1.10
Col46	20	0.30	1.10
Col46	21	0.30	1.10
Col46	22	0.30	1.10
Col46	23	0.30	1.10
Col46	24	0.30	1.10
Col46	25	0.30	1.10
Col46	26	0.30	1.10
Col46	27	0.30	1.10
Col46	28	-0.41	1.10
Col46	29	-0.41	1.10
Col46	30	0.41	1.10
Col46	31	0.41	1.10
Col46	32	0.41	1.10
Col46	33	0.41	1.10
Col46	34	0.41	1.10
Col46	35	0.41	1.10
Col46	36	0.00	1.10
Col46	37	0.00	1.10
Col46	38	0.00	1.10
Col46	39	0.00	1.10
Col46	40	0.00	1.10
Col46	41	0.00	1.10
Col46	42	0.00	1.10
Col46	43	0.00	1.10
Col46	44	0.00	1.10
Col46	45	0.00	1.10
Col46	46	0.00	1.10
Col46	47	0.18	1.10
Col46	48	0.18	1.10
Col46	49	0.00	1.10
Col46	50	0.00	1.10
Col46	51	0.30	1.10
Col46	52	0.00	1.10
Col47	1	0.00	1.09
Col47	2	0.00	1.09
Col47	3	0.00	1.09
Col47	4	0.00	1.09
Col47	5	0.00	1.09
Col47	6	0.00	1.09
Col47	7	0.00	1.09
Col47	8	-0.39	1.09

Col47	9	-0.39	1.09
Col47	10	0.39	1.09
Col47	11	0.39	1.09
Col47	12	0.39	1.09
Col47	13	0.39	1.09
Col47	14	0.39	1.09
Col47	15	0.39	1.09
Col47	16	0.29	1.09
Col47	17	0.29	1.09
Col47	18	0.29	1.09
Col47	19	0.29	1.09
Col47	20	0.29	1.09
Col47	21	0.29	1.09
Col47	22	0.29	1.09
Col47	23	0.29	1.09
Col47	24	0.29	1.09
Col47	25	0.29	1.09
Col47	26	0.29	1.09
Col47	27	0.29	1.09
Col47	28	-0.39	1.09
Col47	29	-0.39	1.09
Col47	30	0.39	1.09
Col47	31	0.39	1.09
Col47	32	0.39	1.09
Col47	33	0.39	1.09
Col47	34	0.39	1.09
Col47	35	0.39	1.09
Col47	36	0.00	1.09
Col47	37	0.00	1.09
Col47	38	0.00	1.09
Col47	39	0.00	1.09
Col47	40	0.00	1.09
Col47	41	0.00	1.09
Col47	42	0.00	1.09
Col47	43	0.00	1.09
Col47	44	0.00	1.09
Col47	45	0.00	1.09
Col47	46	0.00	1.09
Col47	47	0.17	1.09
Col47	48	0.17	1.09
Col47	49	0.00	1.09
Col47	50	0.00	1.09
Col47	51	0.29	1.09
Col47	52	0.00	1.09
Col48	1	0.00	1.08
Col48	2	0.00	1.08
Col48	3	0.00	1.08
Col48	4	0.00	1.08
Col48	5	0.00	1.08
Col48	6	0.00	1.08
Col48	7	0.00	1.08
Col48	8	-0.37	1.08
Col48	9	-0.37	1.08
Col48	10	0.37	1.08
Col48	11	0.37	1.08
Col48	12	0.37	1.08
Col48	13	0.37	1.08
Col48	14	0.37	1.08
Col48	15	0.37	1.08
Col48	16	0.27	1.08
Col48	17	0.27	1.08
Col48	18	0.27	1.08
Col48	19	0.27	1.08
Col48	20	0.27	1.08
Col48	21	0.27	1.08



Col48	22	0.27	1.08
Col48	23	0.27	1.08
Col48	24	0.27	1.08
Col48	25	0.27	1.08
Col48	26	0.27	1.08
Col48	27	0.27	1.08
Col48	28	-0.37	1.08
Col48	29	-0.37	1.08
Col48	30	0.37	1.08
Col48	31	0.37	1.08
Col48	32	0.37	1.08
Col48	33	0.37	1.08
Col48	34	0.37	1.08
Col48	35	0.37	1.08
Col48	36	0.00	1.08
Col48	37	0.00	1.08
Col48	38	0.00	1.08
Col48	39	0.00	1.08
Col48	40	0.00	1.08
Col48	41	0.00	1.08
Col48	42	0.00	1.08
Col48	43	0.00	1.08
Col48	44	0.00	1.08
Col48	45	0.00	1.08
Col48	46	0.00	1.08
Col48	47	0.16	1.08
Col48	48	0.16	1.08
Col48	49	0.00	1.08
Col48	50	0.00	1.08
Col48	51	0.27	1.08
Col48	52	0.00	1.08

COLUMN KL/R RATIO, MOMENT REDUCTION:

Id	Major (ft)	--Minor (ft)--		----KL/R----		Available Reduction Factor	
		Bend	Axial	Major	Minor	Out	In
Col138	16.1	0.1	0.1	84	2	0.00	0.00
Col139	16.3	0.1	0.1	85	2	0.00	0.00
Col140	16.5	0.1	0.1	86	2	0.00	0.00
Col141	16.8	0.1	0.1	87	2	0.00	0.00
Col142	17.0	0.1	0.1	88	2	0.00	0.00
Col143	17.1	0.1	0.1	89	2	0.00	0.00
Col144	17.0	0.1	0.1	88	2	0.00	0.00
Col145	16.8	0.1	0.1	87	2	0.00	0.00
Col146	16.5	0.1	0.1	86	2	0.00	0.00
Col147	16.3	0.1	0.1	85	2	0.00	0.00
Col148	16.1	0.1	0.1	84	2	0.00	0.00

## PANEL DATA:

Bay	Part	Type	Gage	Yield
1	PBR29	PR	29.00	60.0

## MOMENTS &amp; 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	5.00	WP	0.0	107.0	-11.7	70.2	15.8	107.0	0.17	-0.03	1.00
			WS	0.0	107.0	11.7	70.2	-15.8	70.2	0.23	0.03	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	-0.01	1.00
			WS	-11.6	70.2	6.6	107.0	-12.7	70.2	0.18	0.01	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	-0.01	1.00
			WS	-12.7	70.2	6.6	107.0	-11.6	70.2	0.18	0.01	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	-0.03	1.00
			WS	-15.8	70.2	11.7	107.0	0.0	107.0	0.23	0.03	1.00

WP - Wind\_Pressure

WS - Wind\_Suction

WALL LAYOUT:

Wall Id	Orn	LeftEW Offset	BackSW Offset	Wall Length	Load Width
7	L	0.00	30.00	14.00	5.00

MEMBER LAYOUT:

Id	Locate (ft)	Part	---Web (in)--- Depth	---Flange (in)--- Thick	Width	Thick	Length (ft)	Weight (lb)	---Max Load--- Id UC Report
Col51	4.7	6X2C16	6.00	16ga	2.00	16ga	17.1	37.5	8 0.38 Deflect
Col52	9.3	6X2C16	6.00	16ga	2.00	16ga	17.1	37.5	8 0.38 Deflect
Total=								75.0	

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+
Col51	1	0.57	8.15	0.00	3.32	0.00	3.07	0.07	0.00	0.07	0.00
Col51	2	0.10	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col51	3	0.50	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00
Col51	4	0.50	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00
Col51	5	0.45	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00
Col51	6	0.40	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col51	7	0.40	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col51	8	-0.25	21.18	0.24	3.32	-1.03	3.07	0.01	0.07	0.32	0.00
Col51	9	-0.11	21.18	0.24	3.32	-1.03	3.07	0.01	0.07	0.33	0.00
Col51	10	-0.25	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.32	0.00
Col51	11	-0.11	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.33	0.00
Col51	12	-0.25	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.32	0.00
Col51	13	-0.11	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.33	0.00
Col51	14	-0.14	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.33	0.00
Col51	15	0.00	8.15	-0.24	3.32	1.03	3.07	0.00	0.07	0.33	0.00
Col51	16	0.28	8.15	-0.18	3.32	0.77	3.07	0.03	0.05	0.29	0.00
Col51	17	0.39	8.15	-0.18	3.32	0.77	3.07	0.05	0.05	0.30	0.00
Col51	18	0.20	8.15	-0.18	3.32	0.77	3.07	0.02	0.05	0.28	0.00
Col51	19	0.30	8.15	-0.18	3.32	0.77	3.07	0.04	0.05	0.29	0.00
Col51	20	0.23	8.15	-0.18	3.32	0.77	3.07	0.03	0.05	0.28	0.00
Col51	21	0.33	8.15	-0.18	3.32	0.77	3.07	0.04	0.05	0.29	0.00
Col51	22	0.14	8.15	-0.18	3.32	0.77	3.07	0.02	0.05	0.27	0.00
Col51	23	0.25	8.15	-0.18	3.32	0.77	3.07	0.03	0.05	0.28	0.00
Col51	24	0.23	8.15	-0.18	3.32	0.77	3.07	0.03	0.05	0.28	0.00
Col51	25	0.33	8.15	-0.18	3.32	0.77	3.07	0.04	0.05	0.29	0.00
Col51	26	0.14	8.15	-0.18	3.32	0.77	3.07	0.02	0.05	0.27	0.00
Col51	27	0.25	8.15	-0.18	3.32	0.77	3.07	0.03	0.05	0.28	0.00
Col51	28	-0.27	21.18	0.24	3.32	-1.03	3.07	0.01	0.07	0.32	0.00
Col51	29	-0.13	21.18	0.24	3.32	-1.03	3.07	0.01	0.07	0.33	0.00
Col51	30	-0.27	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.32	0.00
Col51	31	-0.13	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.33	0.00
Col51	32	-0.27	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.32	0.00
Col51	33	-0.13	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.33	0.00
Col51	34	-0.16	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.33	0.00
Col51	35	-0.01	21.18	-0.24	3.32	1.03	3.07	0.00	0.07	0.33	0.00
Col51	36	0.11	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col51	37	0.11	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col51	38	0.46	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00
Col51	39	0.46	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00

Col51	40	0.40	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col51	41	0.40	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col51	42	0.40	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col51	43	0.40	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col51	44	0.07	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col51	45	0.07	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col51	46	0.57	8.15	0.00	3.32	0.00	3.07	0.07	0.00	0.07	0.00
Col51	47	0.28	8.15	-0.18	3.32	0.77	3.07	0.03	0.05	0.29	0.00
Col51	48	0.39	8.15	-0.18	3.32	0.77	3.07	0.05	0.05	0.30	0.00
Col51	49	0.10	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col51	50	0.10	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col51	51	0.07	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col51	52	0.07	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col51	53	0.63	8.15	0.00	3.32	0.00	3.07	0.08	0.00	0.08	0.00
Col51	54	0.50	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00
Col51	55	0.50	8.15	-0.18	3.32	0.77	3.07	0.06	0.05	0.31	0.00
Col51	56	0.50	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00
Col52	1	0.57	8.15	0.00	3.32	0.00	3.07	0.07	0.00	0.07	0.00
Col52	2	0.10	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col52	3	0.50	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00
Col52	4	0.50	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00
Col52	5	0.45	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00
Col52	6	0.40	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col52	7	0.40	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col52	8	-0.25	21.18	0.24	3.32	-1.03	3.07	0.01	0.07	0.32	0.00
Col52	9	-0.11	21.18	0.24	3.32	-1.03	3.07	0.01	0.07	0.33	0.00
Col52	10	-0.25	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.32	0.00
Col52	11	-0.11	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.33	0.00
Col52	12	-0.25	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.32	0.00
Col52	13	-0.11	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.33	0.00
Col52	14	-0.14	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.33	0.00
Col52	15	0.00	8.15	-0.24	3.32	1.03	3.07	0.00	0.07	0.33	0.00
Col52	16	0.28	8.15	-0.18	3.32	0.77	3.07	0.03	0.05	0.29	0.00
Col52	17	0.39	8.15	-0.18	3.32	0.77	3.07	0.05	0.05	0.30	0.00
Col52	18	0.20	8.15	-0.18	3.32	0.77	3.07	0.02	0.05	0.28	0.00
Col52	19	0.30	8.15	-0.18	3.32	0.77	3.07	0.04	0.05	0.29	0.00
Col52	20	0.23	8.15	-0.18	3.32	0.77	3.07	0.03	0.05	0.28	0.00
Col52	21	0.33	8.15	-0.18	3.32	0.77	3.07	0.04	0.05	0.29	0.00
Col52	22	0.14	8.15	-0.18	3.32	0.77	3.07	0.02	0.05	0.27	0.00
Col52	23	0.25	8.15	-0.18	3.32	0.77	3.07	0.03	0.05	0.28	0.00
Col52	24	0.23	8.15	-0.18	3.32	0.77	3.07	0.03	0.05	0.28	0.00
Col52	25	0.33	8.15	-0.18	3.32	0.77	3.07	0.04	0.05	0.29	0.00
Col52	26	0.14	8.15	-0.18	3.32	0.77	3.07	0.02	0.05	0.27	0.00
Col52	27	0.25	8.15	-0.18	3.32	0.77	3.07	0.03	0.05	0.28	0.00
Col52	28	-0.27	21.18	0.24	3.32	-1.03	3.07	0.01	0.07	0.32	0.00
Col52	29	-0.13	21.18	0.24	3.32	-1.03	3.07	0.01	0.07	0.33	0.00
Col52	30	-0.27	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.32	0.00
Col52	31	-0.13	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.33	0.00
Col52	32	-0.27	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.32	0.00
Col52	33	-0.13	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.33	0.00
Col52	34	-0.16	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.33	0.00
Col52	35	-0.01	21.18	-0.24	3.32	1.03	3.07	0.00	0.07	0.33	0.00
Col52	36	0.11	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col52	37	0.11	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col52	38	0.46	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00
Col52	39	0.46	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00
Col52	40	0.40	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col52	41	0.40	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col52	42	0.40	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col52	43	0.40	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col52	44	0.07	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col52	45	0.07	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col52	46	0.57	8.15	0.00	3.32	0.00	3.07	0.07	0.00	0.07	0.00
Col52	47	0.28	8.15	-0.18	3.32	0.77	3.07	0.03	0.05	0.29	0.00
Col52	48	0.39	8.15	-0.18	3.32	0.77	3.07	0.05	0.05	0.30	0.00

Col52	49	0.10	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col52	50	0.10	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col52	51	0.07	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col52	52	0.07	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col52	53	0.63	8.15	0.00	3.32	0.00	3.07	0.08	0.00	0.08	0.00
Col52	54	0.50	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00
Col52	55	0.50	8.15	-0.18	3.32	0.77	3.07	0.06	0.05	0.31	0.00
Col52	56	0.50	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00

COLUMN REACTIONS:

Id	Load		In_Plane		Out_Plane
	Id	Vert (k )	Horz (k )	Horz (k )	
Col51	1	0.57	0.00	0.00	
Col51	2	0.10	0.00	0.00	
Col51	3	0.50	0.00	0.00	
Col51	4	0.50	0.00	0.00	
Col51	5	0.45	0.00	0.00	
Col51	6	0.40	0.00	0.00	
Col51	7	0.40	0.00	0.00	
Col51	8	-0.25	0.00	-0.24	
Col51	9	-0.11	0.00	-0.24	
Col51	10	-0.25	0.00	0.24	
Col51	11	-0.11	0.00	0.24	
Col51	12	-0.25	0.00	0.24	
Col51	13	-0.11	0.00	0.24	
Col51	14	-0.14	0.00	0.24	
Col51	15	0.00	0.00	0.24	
Col51	16	0.28	0.00	0.18	
Col51	17	0.39	0.00	0.18	
Col51	18	0.20	0.00	0.18	
Col51	19	0.30	0.00	0.18	
Col51	20	0.23	0.00	0.18	
Col51	21	0.33	0.00	0.18	
Col51	22	0.14	0.00	0.18	
Col51	23	0.25	0.00	0.18	
Col51	24	0.23	0.00	0.18	
Col51	25	0.33	0.00	0.18	
Col51	26	0.14	0.00	0.18	
Col51	27	0.25	0.00	0.18	
Col51	28	-0.27	0.00	-0.24	
Col51	29	-0.13	0.00	-0.24	
Col51	30	-0.27	0.00	0.24	
Col51	31	-0.13	0.00	0.24	
Col51	32	-0.27	0.00	0.24	
Col51	33	-0.13	0.00	0.24	
Col51	34	-0.16	0.00	0.24	
Col51	35	-0.01	0.00	0.24	
Col51	36	0.11	0.00	0.00	
Col51	37	0.11	0.00	0.00	
Col51	38	0.46	0.00	0.00	
Col51	39	0.46	0.00	0.00	
Col51	40	0.40	0.00	0.00	
Col51	41	0.40	0.00	0.00	
Col51	42	0.40	0.00	0.00	
Col51	43	0.40	0.00	0.00	
Col51	44	0.07	0.00	0.00	
Col51	45	0.07	0.00	0.00	
Col51	46	0.57	0.00	0.00	
Col51	47	0.28	0.00	0.18	
Col51	48	0.39	0.00	0.18	
Col51	49	0.10	0.00	0.00	
Col51	50	0.10	0.00	0.00	
Col51	51	0.07	0.00	0.00	

Col151	52	0.07	0.00	0.00
Col151	53	0.63	0.00	0.00
Col151	54	0.50	0.00	0.00
Col151	55	0.50	0.00	0.18
Col151	56	0.50	0.00	0.00
Col152	1	0.57	0.00	0.00
Col152	2	0.10	0.00	0.00
Col152	3	0.50	0.00	0.00
Col152	4	0.50	0.00	0.00
Col152	5	0.45	0.00	0.00
Col152	6	0.40	0.00	0.00
Col152	7	0.40	0.00	0.00
Col152	8	-0.25	0.00	-0.24
Col152	9	-0.11	0.00	-0.24
Col152	10	-0.25	0.00	0.24
Col152	11	-0.11	0.00	0.24
Col152	12	-0.25	0.00	0.24
Col152	13	-0.11	0.00	0.24
Col152	14	-0.14	0.00	0.24
Col152	15	0.00	0.00	0.24
Col152	16	0.28	0.00	0.18
Col152	17	0.39	0.00	0.18
Col152	18	0.20	0.00	0.18
Col152	19	0.30	0.00	0.18
Col152	20	0.23	0.00	0.18
Col152	21	0.33	0.00	0.18
Col152	22	0.14	0.00	0.18
Col152	23	0.25	0.00	0.18
Col152	24	0.23	0.00	0.18
Col152	25	0.33	0.00	0.18
Col152	26	0.14	0.00	0.18
Col152	27	0.25	0.00	0.18
Col152	28	-0.27	0.00	-0.24
Col152	29	-0.13	0.00	-0.24
Col152	30	-0.27	0.00	0.24
Col152	31	-0.13	0.00	0.24
Col152	32	-0.27	0.00	0.24
Col152	33	-0.13	0.00	0.24
Col152	34	-0.16	0.00	0.24
Col152	35	-0.01	0.00	0.24
Col152	36	0.11	0.00	0.00
Col152	37	0.11	0.00	0.00
Col152	38	0.46	0.00	0.00
Col152	39	0.46	0.00	0.00
Col152	40	0.40	0.00	0.00
Col152	41	0.40	0.00	0.00
Col152	42	0.40	0.00	0.00
Col152	43	0.40	0.00	0.00
Col152	44	0.07	0.00	0.00
Col152	45	0.07	0.00	0.00
Col152	46	0.57	0.00	0.00
Col152	47	0.28	0.00	0.18
Col152	48	0.39	0.00	0.18
Col152	49	0.10	0.00	0.00
Col152	50	0.10	0.00	0.00
Col152	51	0.07	0.00	0.00
Col152	52	0.07	0.00	0.00
Col152	53	0.63	0.00	0.00
Col152	54	0.50	0.00	0.00
Col152	55	0.50	0.00	0.18
Col152	56	0.50	0.00	0.00

COLUMN DEFLECTIONS:

Load            Deflection (in)

Id	Id	Calc	Limit
Col51	1	0.00	1.14
Col51	2	0.00	1.14
Col51	3	0.00	1.14
Col51	4	0.00	1.14
Col51	5	0.00	1.14
Col51	6	0.00	1.14
Col51	7	0.00	1.14
Col51	8	-0.43	1.14
Col51	9	-0.43	1.14
Col51	10	0.43	1.14
Col51	11	0.43	1.14
Col51	12	0.43	1.14
Col51	13	0.43	1.14
Col51	14	0.43	1.14
Col51	15	0.43	1.14
Col51	16	0.33	1.14
Col51	17	0.33	1.14
Col51	18	0.33	1.14
Col51	19	0.33	1.14
Col51	20	0.33	1.14
Col51	21	0.33	1.14
Col51	22	0.33	1.14
Col51	23	0.33	1.14
Col51	24	0.33	1.14
Col51	25	0.33	1.14
Col51	26	0.33	1.14
Col51	27	0.33	1.14
Col51	28	-0.43	1.14
Col51	29	-0.43	1.14
Col51	30	0.43	1.14
Col51	31	0.43	1.14
Col51	32	0.43	1.14
Col51	33	0.43	1.14
Col51	34	0.43	1.14
Col51	35	0.43	1.14
Col51	36	0.00	1.14
Col51	37	0.00	1.14
Col51	38	0.00	1.14
Col51	39	0.00	1.14
Col51	40	0.00	1.14
Col51	41	0.00	1.14
Col51	42	0.00	1.14
Col51	43	0.00	1.14
Col51	44	0.00	1.14
Col51	45	0.00	1.14
Col51	46	0.00	1.14
Col51	47	0.20	1.14
Col51	48	0.20	1.14
Col51	49	0.00	1.14
Col51	50	0.00	1.14
Col51	51	0.33	1.14
Col51	52	0.00	1.14
Col52	1	0.00	1.14
Col52	2	0.00	1.14
Col52	3	0.00	1.14
Col52	4	0.00	1.14
Col52	5	0.00	1.14
Col52	6	0.00	1.14
Col52	7	0.00	1.14
Col52	8	-0.43	1.14
Col52	9	-0.43	1.14
Col52	10	0.43	1.14
Col52	11	0.43	1.14

Col52	12	0.43	1.14
Col52	13	0.43	1.14
Col52	14	0.43	1.14
Col52	15	0.43	1.14
Col52	16	0.33	1.14
Col52	17	0.33	1.14
Col52	18	0.33	1.14
Col52	19	0.33	1.14
Col52	20	0.33	1.14
Col52	21	0.33	1.14
Col52	22	0.33	1.14
Col52	23	0.33	1.14
Col52	24	0.33	1.14
Col52	25	0.33	1.14
Col52	26	0.33	1.14
Col52	27	0.33	1.14
Col52	28	-0.43	1.14
Col52	29	-0.43	1.14
Col52	30	0.43	1.14
Col52	31	0.43	1.14
Col52	32	0.43	1.14
Col52	33	0.43	1.14
Col52	34	0.43	1.14
Col52	35	0.43	1.14
Col52	36	0.00	1.14
Col52	37	0.00	1.14
Col52	38	0.00	1.14
Col52	39	0.00	1.14
Col52	40	0.00	1.14
Col52	41	0.00	1.14
Col52	42	0.00	1.14
Col52	43	0.00	1.14
Col52	44	0.00	1.14
Col52	45	0.00	1.14
Col52	46	0.00	1.14
Col52	47	0.20	1.14
Col52	48	0.20	1.14
Col52	49	0.00	1.14
Col52	50	0.00	1.14
Col52	51	0.33	1.14
Col52	52	0.00	1.14

COLUMN KL/R RATIO, MOMENT REDUCTION:

Id	Major (ft)	--Minor (ft)--		----KL/R----		Available Reduction Factor	
		Bend	Axial	Major	Minor	Out	In
Col51	17.1	0.1	0.1	89	2	0.00	0.00
Col52	17.1	0.1	0.1	89	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)-----						Deflect (in)		
	Start	End		Start Calc	Start Limit	Midspan Calc	Midspan Limit	End Calc	End Limit	Max UC	Calc	Limit
1	0.00	4.67	WP	0.0	107.0	-10.5	70.2	13.1	107.0	0.15	-0.03	0.93
			WS	0.0	70.2	10.5	107.0	-13.1	70.2	0.19	0.03	0.93
2	4.67	9.33	WP	13.1	107.0	-3.3	70.2	13.1	107.0	0.12	0.00	0.93
			WS	-13.1	70.2	3.3	107.0	-13.1	70.2	0.19	0.00	0.93
3	9.33	14.00	WP	13.1	107.0	-10.5	70.2	0.0	107.0	0.15	-0.03	0.93
			WS	-13.1	70.2	10.5	107.0	0.0	107.0	0.19	0.03	0.93

WP - Wind Pressure  
WS - Wind Suction

WALL LAYOUT:

Wall Id	Orn	LeftEW Offset	BackSW Offset	Wall Length	Load Width
8	L	14.00	30.00	14.00	5.00

MEMBER LAYOUT:

Id	Locate (ft)	Part	---Web (in)--- Depth	---Flange (in)--- Thick	Width	Thick	Length (ft)	Weight (lb)	---Max Load---	Id	UC	Report
Col155	4.7	6X2C16	6.00	16ga	2.00	16ga	17.1	37.5	8 0.38	8	0.38	Deflect
Col156	9.3	6X2C16	6.00	16ga	2.00	16ga	17.1	37.5	8 0.38	8	0.38	Deflect
Total=								75.0				

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+
Col155	1	0.57	8.15	0.00	3.32	0.00	3.07	0.07	0.00	0.07	0.00
Col155	2	0.10	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col155	3	0.50	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00
Col155	4	0.50	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00
Col155	5	0.45	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00
Col155	6	0.40	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col155	7	0.40	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col155	8	-0.25	21.18	0.24	3.32	-1.03	3.07	0.01	0.07	0.32	0.00
Col155	9	-0.11	21.18	0.24	3.32	-1.03	3.07	0.01	0.07	0.33	0.00
Col155	10	-0.25	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.32	0.00
Col155	11	-0.11	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.33	0.00
Col155	12	-0.25	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.32	0.00
Col155	13	-0.11	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.33	0.00
Col155	14	-0.14	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.33	0.00
Col155	15	0.00	8.15	-0.24	3.32	1.03	3.07	0.00	0.07	0.33	0.00
Col155	16	0.28	8.15	-0.18	3.32	0.77	3.07	0.03	0.05	0.29	0.00
Col155	17	0.39	8.15	-0.18	3.32	0.77	3.07	0.05	0.05	0.30	0.00
Col155	18	0.20	8.15	-0.18	3.32	0.77	3.07	0.02	0.05	0.28	0.00
Col155	19	0.30	8.15	-0.18	3.32	0.77	3.07	0.04	0.05	0.29	0.00
Col155	20	0.23	8.15	-0.18	3.32	0.77	3.07	0.03	0.05	0.28	0.00
Col155	21	0.33	8.15	-0.18	3.32	0.77	3.07	0.04	0.05	0.29	0.00
Col155	22	0.14	8.15	-0.18	3.32	0.77	3.07	0.02	0.05	0.27	0.00
Col155	23	0.25	8.15	-0.18	3.32	0.77	3.07	0.03	0.05	0.28	0.00
Col155	24	0.23	8.15	-0.18	3.32	0.77	3.07	0.03	0.05	0.28	0.00
Col155	25	0.33	8.15	-0.18	3.32	0.77	3.07	0.04	0.05	0.29	0.00
Col155	26	0.14	8.15	-0.18	3.32	0.77	3.07	0.02	0.05	0.27	0.00
Col155	27	0.25	8.15	-0.18	3.32	0.77	3.07	0.03	0.05	0.28	0.00
Col155	28	-0.27	21.18	0.24	3.32	-1.03	3.07	0.01	0.07	0.32	0.00
Col155	29	-0.13	21.18	0.24	3.32	-1.03	3.07	0.01	0.07	0.33	0.00
Col155	30	-0.27	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.32	0.00
Col155	31	-0.13	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.33	0.00
Col155	32	-0.27	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.32	0.00
Col155	33	-0.13	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.33	0.00
Col155	34	-0.16	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.33	0.00
Col155	35	-0.01	21.18	-0.24	3.32	1.03	3.07	0.00	0.07	0.33	0.00
Col155	36	0.11	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col155	37	0.11	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col155	38	0.46	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00
Col155	39	0.46	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00

Col155	40	0.40	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col155	41	0.40	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col155	42	0.40	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col155	43	0.40	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col155	44	0.07	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col155	45	0.07	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col155	46	0.57	8.15	0.00	3.32	0.00	3.07	0.07	0.00	0.07	0.00
Col155	47	0.28	8.15	-0.18	3.32	0.77	3.07	0.03	0.05	0.29	0.00
Col155	48	0.39	8.15	-0.18	3.32	0.77	3.07	0.05	0.05	0.30	0.00
Col155	49	0.10	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col155	50	0.10	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col155	51	0.07	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col155	52	0.07	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col155	53	0.63	8.15	0.00	3.32	0.00	3.07	0.08	0.00	0.08	0.00
Col155	54	0.50	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00
Col155	55	0.50	8.15	-0.18	3.32	0.77	3.07	0.06	0.05	0.31	0.00
Col155	56	0.50	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00
Col156	1	0.57	8.15	0.00	3.32	0.00	3.07	0.07	0.00	0.07	0.00
Col156	2	0.10	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col156	3	0.50	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00
Col156	4	0.50	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00
Col156	5	0.45	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00
Col156	6	0.40	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col156	7	0.40	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col156	8	-0.25	21.18	0.24	3.32	-1.03	3.07	0.01	0.07	0.32	0.00
Col156	9	-0.11	21.18	0.24	3.32	-1.03	3.07	0.01	0.07	0.33	0.00
Col156	10	-0.25	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.32	0.00
Col156	11	-0.11	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.33	0.00
Col156	12	-0.25	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.32	0.00
Col156	13	-0.11	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.33	0.00
Col156	14	-0.14	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.33	0.00
Col156	15	0.00	8.15	-0.24	3.32	1.03	3.07	0.00	0.07	0.33	0.00
Col156	16	0.28	8.15	-0.18	3.32	0.77	3.07	0.03	0.05	0.29	0.00
Col156	17	0.39	8.15	-0.18	3.32	0.77	3.07	0.05	0.05	0.30	0.00
Col156	18	0.20	8.15	-0.18	3.32	0.77	3.07	0.02	0.05	0.28	0.00
Col156	19	0.30	8.15	-0.18	3.32	0.77	3.07	0.04	0.05	0.29	0.00
Col156	20	0.23	8.15	-0.18	3.32	0.77	3.07	0.03	0.05	0.28	0.00
Col156	21	0.33	8.15	-0.18	3.32	0.77	3.07	0.04	0.05	0.29	0.00
Col156	22	0.14	8.15	-0.18	3.32	0.77	3.07	0.02	0.05	0.27	0.00
Col156	23	0.25	8.15	-0.18	3.32	0.77	3.07	0.03	0.05	0.28	0.00
Col156	24	0.23	8.15	-0.18	3.32	0.77	3.07	0.03	0.05	0.28	0.00
Col156	25	0.33	8.15	-0.18	3.32	0.77	3.07	0.04	0.05	0.29	0.00
Col156	26	0.14	8.15	-0.18	3.32	0.77	3.07	0.02	0.05	0.27	0.00
Col156	27	0.25	8.15	-0.18	3.32	0.77	3.07	0.03	0.05	0.28	0.00
Col156	28	-0.27	21.18	0.24	3.32	-1.03	3.07	0.01	0.07	0.32	0.00
Col156	29	-0.13	21.18	0.24	3.32	-1.03	3.07	0.01	0.07	0.33	0.00
Col156	30	-0.27	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.32	0.00
Col156	31	-0.13	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.33	0.00
Col156	32	-0.27	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.32	0.00
Col156	33	-0.13	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.33	0.00
Col156	34	-0.16	21.18	-0.24	3.32	1.03	3.07	0.01	0.07	0.33	0.00
Col156	35	-0.01	21.18	-0.24	3.32	1.03	3.07	0.00	0.07	0.33	0.00
Col156	36	0.11	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col156	37	0.11	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col156	38	0.46	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00
Col156	39	0.46	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00
Col156	40	0.40	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col156	41	0.40	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col156	42	0.40	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col156	43	0.40	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col156	44	0.07	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col156	45	0.07	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col156	46	0.57	8.15	0.00	3.32	0.00	3.07	0.07	0.00	0.07	0.00
Col156	47	0.28	8.15	-0.18	3.32	0.77	3.07	0.03	0.05	0.29	0.00
Col156	48	0.39	8.15	-0.18	3.32	0.77	3.07	0.05	0.05	0.30	0.00

Col56	49	0.10	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col56	50	0.10	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col56	51	0.07	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col56	52	0.07	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col56	53	0.63	8.15	0.00	3.32	0.00	3.07	0.08	0.00	0.08	0.00
Col56	54	0.50	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00
Col56	55	0.50	8.15	-0.18	3.32	0.77	3.07	0.06	0.05	0.31	0.00
Col56	56	0.50	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00

COLUMN REACTIONS:

Id	Load		In_Plane		Out_Plane
	Id	Vert (k )	Horz (k )	Horz (k )	
Col55	1	0.57	0.00	0.00	
Col55	2	0.10	0.00	0.00	
Col55	3	0.50	0.00	0.00	
Col55	4	0.50	0.00	0.00	
Col55	5	0.45	0.00	0.00	
Col55	6	0.40	0.00	0.00	
Col55	7	0.40	0.00	0.00	
Col55	8	-0.25	0.00	-0.24	
Col55	9	-0.11	0.00	-0.24	
Col55	10	-0.25	0.00	0.24	
Col55	11	-0.11	0.00	0.24	
Col55	12	-0.25	0.00	0.24	
Col55	13	-0.11	0.00	0.24	
Col55	14	-0.14	0.00	0.24	
Col55	15	0.00	0.00	0.24	
Col55	16	0.28	0.00	0.18	
Col55	17	0.39	0.00	0.18	
Col55	18	0.20	0.00	0.18	
Col55	19	0.30	0.00	0.18	
Col55	20	0.23	0.00	0.18	
Col55	21	0.33	0.00	0.18	
Col55	22	0.14	0.00	0.18	
Col55	23	0.25	0.00	0.18	
Col55	24	0.23	0.00	0.18	
Col55	25	0.33	0.00	0.18	
Col55	26	0.14	0.00	0.18	
Col55	27	0.25	0.00	0.18	
Col55	28	-0.27	0.00	-0.24	
Col55	29	-0.13	0.00	-0.24	
Col55	30	-0.27	0.00	0.24	
Col55	31	-0.13	0.00	0.24	
Col55	32	-0.27	0.00	0.24	
Col55	33	-0.13	0.00	0.24	
Col55	34	-0.16	0.00	0.24	
Col55	35	-0.01	0.00	0.24	
Col55	36	0.11	0.00	0.00	
Col55	37	0.11	0.00	0.00	
Col55	38	0.46	0.00	0.00	
Col55	39	0.46	0.00	0.00	
Col55	40	0.40	0.00	0.00	
Col55	41	0.40	0.00	0.00	
Col55	42	0.40	0.00	0.00	
Col55	43	0.40	0.00	0.00	
Col55	44	0.07	0.00	0.00	
Col55	45	0.07	0.00	0.00	
Col55	46	0.57	0.00	0.00	
Col55	47	0.28	0.00	0.18	
Col55	48	0.39	0.00	0.18	
Col55	49	0.10	0.00	0.00	
Col55	50	0.10	0.00	0.00	
Col55	51	0.07	0.00	0.00	

Col155	52	0.07	0.00	0.00
Col155	53	0.63	0.00	0.00
Col155	54	0.50	0.00	0.00
Col155	55	0.50	0.00	0.18
Col155	56	0.50	0.00	0.00
Col156	1	0.57	0.00	0.00
Col156	2	0.10	0.00	0.00
Col156	3	0.50	0.00	0.00
Col156	4	0.50	0.00	0.00
Col156	5	0.45	0.00	0.00
Col156	6	0.40	0.00	0.00
Col156	7	0.40	0.00	0.00
Col156	8	-0.25	0.00	-0.24
Col156	9	-0.11	0.00	-0.24
Col156	10	-0.25	0.00	0.24
Col156	11	-0.11	0.00	0.24
Col156	12	-0.25	0.00	0.24
Col156	13	-0.11	0.00	0.24
Col156	14	-0.14	0.00	0.24
Col156	15	0.00	0.00	0.24
Col156	16	0.28	0.00	0.18
Col156	17	0.39	0.00	0.18
Col156	18	0.20	0.00	0.18
Col156	19	0.30	0.00	0.18
Col156	20	0.23	0.00	0.18
Col156	21	0.33	0.00	0.18
Col156	22	0.14	0.00	0.18
Col156	23	0.25	0.00	0.18
Col156	24	0.23	0.00	0.18
Col156	25	0.33	0.00	0.18
Col156	26	0.14	0.00	0.18
Col156	27	0.25	0.00	0.18
Col156	28	-0.27	0.00	-0.24
Col156	29	-0.13	0.00	-0.24
Col156	30	-0.27	0.00	0.24
Col156	31	-0.13	0.00	0.24
Col156	32	-0.27	0.00	0.24
Col156	33	-0.13	0.00	0.24
Col156	34	-0.16	0.00	0.24
Col156	35	-0.01	0.00	0.24
Col156	36	0.11	0.00	0.00
Col156	37	0.11	0.00	0.00
Col156	38	0.46	0.00	0.00
Col156	39	0.46	0.00	0.00
Col156	40	0.40	0.00	0.00
Col156	41	0.40	0.00	0.00
Col156	42	0.40	0.00	0.00
Col156	43	0.40	0.00	0.00
Col156	44	0.07	0.00	0.00
Col156	45	0.07	0.00	0.00
Col156	46	0.57	0.00	0.00
Col156	47	0.28	0.00	0.18
Col156	48	0.39	0.00	0.18
Col156	49	0.10	0.00	0.00
Col156	50	0.10	0.00	0.00
Col156	51	0.07	0.00	0.00
Col156	52	0.07	0.00	0.00
Col156	53	0.63	0.00	0.00
Col156	54	0.50	0.00	0.00
Col156	55	0.50	0.00	0.18
Col156	56	0.50	0.00	0.00

COLUMN DEFLECTIONS:

Load            Deflection (in)

<u>Id</u>	<u>Id</u>	<u>Calc</u>	<u>Limit</u>
Col55	1	0.00	1.14
Col55	2	0.00	1.14
Col55	3	0.00	1.14
Col55	4	0.00	1.14
Col55	5	0.00	1.14
Col55	6	0.00	1.14
Col55	7	0.00	1.14
Col55	8	-0.43	1.14
Col55	9	-0.43	1.14
Col55	10	0.43	1.14
Col55	11	0.43	1.14
Col55	12	0.43	1.14
Col55	13	0.43	1.14
Col55	14	0.43	1.14
Col55	15	0.43	1.14
Col55	16	0.33	1.14
Col55	17	0.33	1.14
Col55	18	0.33	1.14
Col55	19	0.33	1.14
Col55	20	0.33	1.14
Col55	21	0.33	1.14
Col55	22	0.33	1.14
Col55	23	0.33	1.14
Col55	24	0.33	1.14
Col55	25	0.33	1.14
Col55	26	0.33	1.14
Col55	27	0.33	1.14
Col55	28	-0.43	1.14
Col55	29	-0.43	1.14
Col55	30	0.43	1.14
Col55	31	0.43	1.14
Col55	32	0.43	1.14
Col55	33	0.43	1.14
Col55	34	0.43	1.14
Col55	35	0.43	1.14
Col55	36	0.00	1.14
Col55	37	0.00	1.14
Col55	38	0.00	1.14
Col55	39	0.00	1.14
Col55	40	0.00	1.14
Col55	41	0.00	1.14
Col55	42	0.00	1.14
Col55	43	0.00	1.14
Col55	44	0.00	1.14
Col55	45	0.00	1.14
Col55	46	0.00	1.14
Col55	47	0.20	1.14
Col55	48	0.20	1.14
Col55	49	0.00	1.14
Col55	50	0.00	1.14
Col55	51	0.33	1.14
Col55	52	0.00	1.14
Col56	1	0.00	1.14
Col56	2	0.00	1.14
Col56	3	0.00	1.14
Col56	4	0.00	1.14
Col56	5	0.00	1.14
Col56	6	0.00	1.14
Col56	7	0.00	1.14
Col56	8	-0.43	1.14
Col56	9	-0.43	1.14
Col56	10	0.43	1.14
Col56	11	0.43	1.14

Col56	12	0.43	1.14
Col56	13	0.43	1.14
Col56	14	0.43	1.14
Col56	15	0.43	1.14
Col56	16	0.33	1.14
Col56	17	0.33	1.14
Col56	18	0.33	1.14
Col56	19	0.33	1.14
Col56	20	0.33	1.14
Col56	21	0.33	1.14
Col56	22	0.33	1.14
Col56	23	0.33	1.14
Col56	24	0.33	1.14
Col56	25	0.33	1.14
Col56	26	0.33	1.14
Col56	27	0.33	1.14
Col56	28	-0.43	1.14
Col56	29	-0.43	1.14
Col56	30	0.43	1.14
Col56	31	0.43	1.14
Col56	32	0.43	1.14
Col56	33	0.43	1.14
Col56	34	0.43	1.14
Col56	35	0.43	1.14
Col56	36	0.00	1.14
Col56	37	0.00	1.14
Col56	38	0.00	1.14
Col56	39	0.00	1.14
Col56	40	0.00	1.14
Col56	41	0.00	1.14
Col56	42	0.00	1.14
Col56	43	0.00	1.14
Col56	44	0.00	1.14
Col56	45	0.00	1.14
Col56	46	0.00	1.14
Col56	47	0.20	1.14
Col56	48	0.20	1.14
Col56	49	0.00	1.14
Col56	50	0.00	1.14
Col56	51	0.33	1.14
Col56	52	0.00	1.14

COLUMN KL/R RATIO, MOMENT REDUCTION:

Id	Major (ft)	--Minor (ft)--		----KL/R----		Available Reduction Factor	
		Bend	Axial	Major	Minor	Out	In
Col55	17.1	0.1	0.1	89	2	0.00	0.00
Col56	17.1	0.1	0.1	89	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)-----						Deflect (in)		
	Start	End		Start Calc	Start Limit	Midspan Calc	Midspan Limit	End Calc	End Limit	Max UC	Calc	Limit
1	0.00	4.67	WP	0.0	107.0	-10.5	70.2	13.1	107.0	0.15	-0.03	0.93
			WS	0.0	70.2	10.5	107.0	-13.1	70.2	0.19	0.03	0.93
2	4.67	9.33	WP	13.1	107.0	-3.3	70.2	13.1	107.0	0.12	0.00	0.93
			WS	-13.1	70.2	3.3	107.0	-13.1	70.2	0.19	0.00	0.93
3	9.33	14.00	WP	13.1	107.0	-10.5	70.2	0.0	107.0	0.15	-0.03	0.93
			WS	-13.1	70.2	10.5	107.0	0.0	107.0	0.19	0.03	0.93

WP - Wind Pressure  
 WS - Wind Suction

.. No Warnings