

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  
8



BUILDING LAYOUT

Width (ft) = 60.0  
Length (ft) = 83.5  
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) = 13.4  
Minimum Snow (psf) = 16.0  
Wind Speed (mph) = 103.0  
Wind Code = IBC 18  
Closed/Open = C  
Exposure = C  
Internal Wind Coeff = -0.18, +0.18  
Importance - Wind = 1.00  
Importance - Seismic = 1.00  
Seismic Design Category = B  
Seismic Coeff (Fa\*Ss) = 0.16

-----  
Designer :  
Detailer : JB

2/13/23



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	0.00
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	0.00
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	0.00
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	0.00
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	0.00
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	0.00
0	0	22	1.00	1.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.45	0.00
0	0	23	1.00	1.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.45	0.00
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	0.00
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	0.00
0	0	26	1.00	1.00	0.00	0.75	0.75	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.45	0.00
0	0	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	0.00
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	0.00
0	0	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	0.00
0	0	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	0.00
0	0	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	0.00
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	0.00
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	0.00
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	0.00
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	0.00
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	0.45	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	0.7
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	-0.7
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	0.7
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	-0.7
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	0.0
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	0.0
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	0.45	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	0.0
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	0.37
				5	1.00
				6	0.37

\*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	-16.00	-16.00	0.00	30.03	0.00	83.50
		2	U_SNOW	D	T	-16.00	-16.00	0.00	30.03	0.00	83.50
		3	U_SNOW	D	T	-13.44	-13.44	0.00	30.03	0.00	83.50
		4	U_SNOW	D	T	-13.44	-13.44	11.02	30.03	0.00	83.50
		5	U_SNOW	D	T	-13.44	-13.44	0.00	30.03	0.00	83.50
		6	U_SNOW	D	T	-13.44	-13.44	0.00	19.01	0.00	83.50

Frame Line	Column Line	-----Foundation_Loads(k)-----						Anchor_Bolt	
		Max_Positive Load	Horz	Vert	Max_Negative Load	Horz	Vert	No.	Dia
A	2	1	0.47	-0.03	2	-0.40	-0.33		
		3	0.00	0.82	4	-0.40	-0.36		
A	3	1	0.45	-0.03	2	-0.40	-0.33		
		3	0.00	0.82	4	-0.40	-0.36		
A	4	1	0.45	-0.03	2	-0.41	-0.33		
		3	0.00	0.82	5	0.45	-0.36		
A	5	1	0.47	-0.03	2	-0.41	-0.33		
		3	0.00	0.82	5	0.47	-0.36		
A	6	1	0.47	-0.03	2	-0.42	-0.33		
		3	0.00	0.82	5	0.47	-0.36		
A	7	3	0.00	0.82	4	0.00	-0.26		
		3	0.00	0.82	4	0.00	-0.26		
A	8	1	0.47	-0.22	2	-0.42	-0.15		
		3	0.00	0.82	6	0.47	-0.36		
A	9	1	0.47	-0.22	2	-0.41	-0.15		
		3	0.00	0.82	6	0.47	-0.36		
A	10	1	0.45	-0.22	2	-0.41	-0.15		
		3	0.00	0.82	6	0.45	-0.36		
A	11	1	0.45	-0.22	2	-0.40	-0.15		
		3	0.00	0.82	7	-0.40	-0.36		
A	12	1	0.47	-0.22	2	-0.40	-0.15		
		3	0.00	0.82	7	-0.40	-0.36		
K	12	1	0.47	-0.03	2	-0.40	-0.33		
		3	0.00	0.82	4	-0.40	-0.36		
K	11	1	0.45	-0.03	2	-0.40	-0.33		
		3	0.00	0.82	4	-0.40	-0.36		
K	10	1	0.45	-0.03	2	-0.41	-0.33		
		3	0.00	0.82	5	0.45	-0.36		
K	9	1	0.47	-0.03	2	-0.41	-0.33		
		3	0.00	0.82	5	0.47	-0.36		
K	8	1	0.47	-0.03	2	-0.42	-0.33		
		3	0.00	0.82	5	0.47	-0.36		
K	7	3	0.00	0.82	4	0.00	-0.26		
		3	0.00	0.82	4	0.00	-0.26		
K	6	1	0.47	-0.22	2	-0.42	-0.15		
		3	0.00	0.82	6	0.47	-0.36		
K	5	1	0.47	-0.22	2	-0.41	-0.15		
		3	0.00	0.82	6	0.47	-0.36		
K	4	1	0.45	-0.22	2	-0.41	-0.15		
		3	0.00	0.82	6	0.45	-0.36		
K	3	1	0.45	-0.22	2	-0.40	-0.15		
		3	0.00	0.82	7	-0.40	-0.36		
K	2	1	0.47	-0.22	2	-0.40	-0.15		
		3	0.00	0.82	7	-0.40	-0.36		
A	13	1	0.04	0.01	2	-0.03	-0.14		
		3	0.00	0.44	4	-0.03	-0.15		
D	13	3	0.00	0.84	4	0.00	-0.35		
		3	0.00	0.84	4	0.00	-0.35		
E	13	3	0.00	0.84	4	0.00	-0.35		
		3	0.00	0.84	4	0.00	-0.35		
F	13	3	0.00	0.84	4	0.00	-0.35		
		3	0.00	0.84	4	0.00	-0.35		
G	13	3	0.00	0.84	4	0.00	-0.35		
		3	0.00	0.84	4	0.00	-0.35		

H	13	3	0.00	0.84	4	0.00	-0.35	
		3	0.00	0.84	4	0.00	-0.35	
K	13	1	0.04	0.01	2	-0.03	-0.14	
		3	0.00	0.44	4	-0.03	-0.15	
-----								
K	1	1	0.04	0.01	2	-0.03	-0.14	
		3	0.00	0.44	4	-0.03	-0.15	
H	1	3	0.00	0.84	4	0.00	-0.35	
		3	0.00	0.84	4	0.00	-0.35	
G	1	3	0.00	0.84	4	0.00	-0.35	
		3	0.00	0.84	4	0.00	-0.35	
F	1	3	0.00	0.84	4	0.00	-0.35	
		3	0.00	0.84	4	0.00	-0.35	
E	1	3	0.00	0.84	4	0.00	-0.35	
		3	0.00	0.84	4	0.00	-0.35	
D	1	3	0.00	0.84	4	0.00	-0.35	
		3	0.00	0.84	4	0.00	-0.35	
A	1	1	0.04	0.01	2	-0.03	-0.14	
		3	0.00	0.44	4	-0.03	-0.15	
-----								
D *	2	1	0.24	-0.11	2	-0.24	-0.73	
		3	0.00	1.62	4	-0.24	-0.78	
D *	3	1	0.24	-0.11	2	-0.24	-0.73	
		3	0.00	1.62	4	-0.24	-0.78	
D *	4	1	0.24	-0.11	2	-0.24	-0.73	
		3	0.00	1.62	4	-0.24	-0.78	
D *	5	1	0.24	-0.11	2	-0.24	-0.73	
		3	0.00	1.62	4	-0.24	-0.78	
D *	6	1	0.25	-0.11	2	-0.25	-0.73	
		3	0.00	1.62	4	-0.25	-0.78	
D *	7	1	0.26	-0.30	2	-0.26	-0.53	
		3	0.00	1.62	4	-0.26	-0.58	
D *	8	1	0.25	-0.49	2	-0.25	-0.35	
		3	0.00	1.62	7	-0.25	-0.78	
D *	9	1	0.24	-0.49	2	-0.24	-0.35	
		3	0.00	1.62	7	-0.24	-0.78	
D *	10	1	0.24	-0.49	2	-0.24	-0.35	
		3	0.00	1.62	7	-0.24	-0.78	
D *	11	1	0.24	-0.49	2	-0.24	-0.35	
		3	0.00	1.62	7	-0.24	-0.78	
D *	12	1	0.24	-0.49	2	-0.24	-0.35	
		3	0.00	1.62	7	-0.24	-0.78	
-----								
@5	7	8	0.24	-0.11	2	-0.24	-0.21	
		3	0.00	0.56	4	-0.24	-0.22	
@9	7	8	0.24	-0.11	2	-0.24	-0.21	
		3	0.00	0.56	4	-0.24	-0.22	
-----								
@74	7	8	0.24	-0.11	2	-0.24	-0.21	
		3	0.00	0.56	4	-0.24	-0.22	
@79	7	8	0.24	-0.11	2	-0.24	-0.21	
		3	0.00	0.56	4	-0.24	-0.22	
-----								
D *	Frame Lines:	D	E	F	G	H		

Load Id	Load Combination
1	0.6Dead+0.6Wind_Right2+0.6Wind_Suction
2	Dead+0.6Wind_Pressure+0.6Wind_Long1
3	Dead+Collateral+Live
4	0.6Dead+0.6Wind_Pressure+0.6Wind_Long1
5	0.6Dead+0.6Wind_Suction+0.6Wind_Long1
6	0.6Dead+0.6Wind_Suction+0.6Wind_Long2
7	0.6Dead+0.6Wind_Pressure+0.6Wind_Long2

BRACING/PANEL SHEAR REACTIONS:

---Wall--		Column_Line		-----Bracing(k )-----				Panel_Shear (lb/ft)	
Loc	Line	Start	End	----Wind----	Vert	--Seismic---	Vert	Wind	Seis
				Horz		Horz			
Long								294.86	35.06
L_EW								15.82	1.68
Tran								31.93	2.58
Tran								32.22	2.52
Tran								32.22	2.52
Tran								32.22	2.52
Tran								31.93	2.50
R_EW								15.82	1.68

## Building Data

```

-----
Code           =IBC  18
Length         = 83.50
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) = 0.264
Shear Force, E  = Omega*Rho*V

T(Braced_Frame) = 0.164
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 = 22.58 (k )
            Force, V = 0.96 (k )
            Force, E = 2.89 (k )

```

## Transverse Panel

R = 3.00, Omega= 3.00

```

L_EW      W = 2.36 (k )
            Force, V = 0.10 (k )
            Force, E = 0.30 (k )

```

```

@ 13.8     W = 3.63 (k )
            Force, V = 0.16 (k )
            Force, E = 0.47 (k )

```

```

@ 27.8     W = 3.54 (k )
            Force, V = 0.15 (k )
            Force, E = 0.45 (k )

```



@ 41.8            W = 3.54 (k )  
                  Force, V = 0.15 (k )  
                  Force, E = 0.45 (k )

@ 55.8            W = 3.54 (k )  
                  Force, V = 0.15 (k )  
                  Force, E = 0.45 (k )

@ 69.8            W = 3.51 (k )  
                  Force, V = 0.15 (k )  
                  Force, E = 0.45 (k )

R\_EW              W = 2.36 (k )  
                  Force, V = 0.10 (k )  
                  Force, E = 0.30 (k )

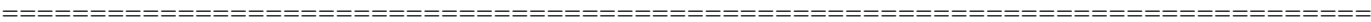
Total Base Shear

  Longitudinal

    Force, V = 0.96 (k )

  Transverse

    Force, V = 0.96 (k )



```

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

```

```

*( 2)JOB IDENTIFICATION:
*   Job Id
'8

```

```

*( 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  83.5000  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  83.5000  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

```



.000	4	5	1.0000	2	60.0000	12.0000	14.0000	0.0000	'-'	'DOOR62	'C	'C	'C	'C	6
.000	4	6	0.8750	2	30.0000	12.0000	14.0000	0.0000	'-'	'DOOR62	'C	'C	'C	'C	6

\*(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
0										

\*(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	13.4	0.0	19.2	1.00	0.54	1.00

\* (29) WIND PRESSURE/SUCTION:

* Wind	Wind		
* Press	Suct		
16.0	-17.8	.. Purlins	
16.0	-20.7	.. 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	1.00	.. Interior
		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
19	1	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	2	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0	0.00
	3	1.00	1.00	0.00	1.00	1.00	0.00	0.00	0.00	0	0.00
	4	1.00	1.00	0.75	0.00	0.00	0.00	0.45	0.00	0	0.00
	5	1.00	1.00	0.00	0.75	0.00	0.00	0.45	0.00	0	0.00
	6	1.00	1.00	0.00	0.75	0.75	0.00	0.45	0.00	0	0.00
	7	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0	0.00
	8	1.00	1.00	0.00	0.01	0.00	0.00	0.00	0.00	1	1.00
	9	1.00	1.00	0.00	0.01	0.00	0.00	0.45	0.00	1	0.75
	10	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	4	1.00
	11	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	5	1.00
	12	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	6	1.00
	13	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	7	1.00
	14	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	8	1.00
	15	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	2	1.00
	16	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	3	1.00
	17	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	2	-1.00

18	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	3	-1.00
19	1.00	1.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	9	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
19	20	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	21	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0	0.00
	22	1.00	1.00	0.00	1.00	1.00	0.00	0.00	0.00	0	0.00
	23	1.00	1.00	0.75	0.00	0.00	0.00	0.75	0.00	0	0.00
	24	1.00	1.00	0.00	0.75	0.00	0.00	0.75	0.00	0	0.00
	25	1.00	1.00	0.00	0.75	0.75	0.00	0.75	0.00	0	0.00
	26	0.60	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	0.00
	27	1.00	1.00	0.00	0.01	0.00	0.00	0.00	0.00	1	1.00
	28	1.00	1.00	0.00	0.01	0.00	0.00	0.75	0.00	1	0.75
	29	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	4	1.00
	30	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	5	1.00
	31	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	6	1.00
	32	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	7	1.00
	33	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	8	1.00
	34	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	2	1.00
	35	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	3	1.00
	36	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	2	-1.00
	37	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	3	-1.00
	38	1.00	1.00	0.00	0.01	0.00	0.00	0.00	0.00	9	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	9	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	9	1.00

\*(35) AUXILIARY LOADS:

* No.	Aux	Aux	No._Add	Add_Load		
* Aux	Id	Name	Combs	Id	Coef	
9	1	'MIN_SNOW	' 2	1	1.00	
				2	1.00	
	2	'PAT_SL_1	' 1	3	0.50	
	3	'PAT_SL_2	' 1	8	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	'PAT_SL_6'	2	6	0.50
			7	0.50
8	'PAT_SL_7'	2	7	0.50
			8	0.50
9	'UNB_SL'	4	9	1.00
			10	0.37
			11	1.00
			12	0.37

\*(36) ADDITIONAL LOADS:

*No.	Add	Surf	Basic	Load	Load	F		D		---Surface---	
*Add	Id	Id	Load	Type	Orn	W1	W2	D1	D2	Start	End
12	1	2	'U_SNOW'	'D'	'T'	-16.00	-16.00	0.0000	30.0260	0.000	83.500
	2	3	'U_SNOW'	'D'	'T'	-16.00	-16.00	0.0000	30.0260	0.000	83.500
	3	0	'U_SNOW'	'D'	'L'	-13.44	-13.44	0.0000	13.7500	0.000	0.000
	4	0	'U_SNOW'	'D'	'L'	-13.44	-13.44	13.7500	27.7500	0.000	0.000
	5	0	'U_SNOW'	'D'	'L'	-13.44	-13.44	27.7500	41.7500	0.000	0.000
	6	0	'U_SNOW'	'D'	'L'	-13.44	-13.44	41.7500	55.7500	0.000	0.000
	7	0	'U_SNOW'	'D'	'L'	-13.44	-13.44	55.7500	69.7500	0.000	0.000
	8	0	'U_SNOW'	'D'	'L'	-13.44	-13.44	69.7500	83.5000	0.000	0.000
	9	2	'U_SNOW'	'D'	'T'	-13.44	-13.44	0.0000	30.0260	0.000	83.500
	10	2	'U_SNOW'	'D'	'T'	-13.44	-13.44	11.0195	30.0260	0.000	83.500
	11	3	'U_SNOW'	'D'	'T'	-13.44	-13.44	0.0000	30.0260	0.000	83.500
	12	3	'U_SNOW'	'D'	'T'	-13.44	-13.44	0.0000	19.0065	0.000	83.500

\*(37) PURLIN BREAK:

*Opt	No.	Location
'-'	0	

\*(38) PANEL SCREWS:

*No.	Zone	Locate	Id	Zone	Part	Dia	Limit	Washer	-----Spacing-----		
								Dia			
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
					Start	End				
0										

\*(40) CONNECTION SCREWS:

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

\*AUXILIARY LOAD DESCRIPTIONS:

* Aux	Id	Description
*	1	Minimum snow load
*	2	Pattern snow load
*	3	Pattern snow load
*	4	Pattern snow load
*	5	Pattern snow load
*	6	Pattern snow load
*	7	Pattern snow load
*	8	Pattern snow load
*	9	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 Pattern snow load bay 5
* 8 Pattern snow load bay 6
* 9 Unbalanced snow load surface 2
* 10 Unbalanced snow load surface 2
* 11 Unbalanced snow load surface 3
* 12 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	0.55		4 0.98 Moment
2	10.009	5.004	5.004	0.55		4 0.98 Moment
3	15.013	5.004	5.004	0.55	Y	4 0.98 Moment
4	20.017	5.004	5.004	0.55		4 0.98 Moment
5	25.022	5.004	5.004	0.55		4 0.98 Moment
	30.026	5.004				

-----  
Average= 0.55

## LAYOUT:

Bay Id	Part	Bay Width	---Lap(ft)-- Left Right		No. Brace	Unit Weight	Total Weight
1	6X25Z14	27.75		1.00	0	80.5	402.5
2	6X25Z16	28.00	1.00	1.00	0	70.2	351.0
3	6X25Z14	27.75	1.00		0	80.5	402.5
Total (lb)=						231.2	1156.0

## LOAD COMBINATIONS:

4 - Dead+Collateral+0.75Live+0.45Wind\_Pressure

## 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	13.75			5.00	0	38.5	0.00	0.70
1	6X25Z14	14.00		1.00	5.00	0	42.0	0.00	0.70
2	6X25Z16	14.00	1.00		5.00	0	35.1	0.00	0.70
2	6X25Z16	14.00		1.00	5.00	0	35.1	0.00	0.70
3	6X25Z14	14.00	1.00		5.00	0	42.0	0.00	0.70
3	6X25Z14	13.75			5.00	0	38.5	0.00	0.70

LOAD ID 1 : Dead+Collateral+Live

## REACTIONS:

Bay Id	-----Shear(k )-----				-----Moment(f-k )-----					
	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	Mid-Span Mom	Mid-Span Loc	Right Lap	Right Sup
1	0.61			-0.94	0.00		-1.65	5.43		2.24
1	0.81		-0.65	-0.76	2.24		-0.71	7.25	1.15	1.85
2	0.79	0.68		-0.79	1.85	1.12	-0.91	7.01		1.83
2	0.79		-0.68	-0.79	1.83		-0.91	6.99	1.12	1.85
3	0.76	0.65		-0.81	1.85	1.15	-0.71	6.75		2.24
3	0.94			-0.61	2.24		-1.65	8.32		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	-0.94	6.04	0.15	RSup	2.24	2.79	0.80	RSup	0.69	-0.33	
1	LSup	0.81	6.04	0.13	LSup	2.24	2.77	0.81	LSup	0.69	-0.08	
2	RSup	-0.79	3.86	0.20	RSup	1.83	2.05	0.90	RSup	0.73	-0.17	
2	LSup	0.79	3.86	0.20	LSup	1.83	2.05	0.90	LSup	0.73	-0.17	
3	RSup	-0.81	6.04	0.13	RSup	2.24	2.77	0.81	RSup	0.69	-0.08	
3	LSup	0.94	6.04	0.15	LSup	2.24	2.79	0.80	LSup	0.69	-0.33	

## UNBRACED LENGTH:

Bay Id	Major (ft)	-----Minor(ft)-----					-----Mom1/Mom2-----					-----Cb-----				
		LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup
1	13.8	10.9	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	3.7	3.7	1.0	2.2	1.0	0.00	0.00	1.00	0.00	0.62	1.84	1.84	1.00	1.79	1.19
3	14.0	1.0	2.0	1.0	1.0	3.0	0.60	0.00	1.00	1.00	0.00	1.20	1.77	1.00	1.00	1.80
4	14.0	3.0	1.0	1.0	2.0	1.0	0.00	1.00	1.00	0.00	0.60	1.80	1.00	1.00	1.77	1.20
5	14.0	1.0	2.2	1.0	3.7	3.7	0.62	0.00	1.00	0.00	0.00	1.19	1.79	1.00	1.84	1.84
6	13.8	2.9	1.0	1.0	1.0	10.9	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	Right Loc	Right Lap	Right Sup
1	0.43			-0.66	0.00		-1.17	5.43		1.58
1	0.58		-0.46	-0.54	1.58		-0.50	7.25	0.81	1.31
2	0.56	0.48		-0.56	1.31	0.79	-0.65	7.01		1.30
2	0.56		-0.48	-0.56	1.30		-0.65	6.99	0.79	1.31
3	0.54	0.46		-0.58	1.31	0.81	-0.50	6.75		1.58
3	0.66			-0.43	1.58		-1.17	8.32		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	-0.66	6.04	0.11	RSup	1.58	2.79	0.57	RSup	0.49	-0.23	
1	LSup	0.58	6.04	0.10	LSup	1.58	2.77	0.57	LSup	0.49	-0.06	
2	RSup	-0.56	3.86	0.14	RSup	1.30	2.05	0.63	RSup	0.51	-0.12	
2	LSup	0.56	3.86	0.14	LSup	1.30	2.05	0.63	LSup	0.51	-0.12	
3	RSup	-0.58	6.04	0.10	RSup	1.58	2.77	0.57	RSup	0.49	-0.06	
3	LSup	0.66	6.04	0.11	LSup	1.58	2.79	0.57	LSup	0.49	-0.23	

UNBRACED LENGTH:

Bay Id	Major (ft)	-----Minor(ft)-----					-----Mom1/Mom2-----					-----Cb-----				
		LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup
1	13.8	10.9	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	3.7	3.7	1.0	2.2	1.0	0.00	0.00	1.00	0.00	0.62	1.84	1.84	1.00	1.79	1.19
3	14.0	1.0	2.0	1.0	1.0	3.0	0.60	0.00	1.00	1.00	0.00	1.20	1.77	1.00	1.00	1.80
4	14.0	3.0	1.0	1.0	2.0	1.0	0.00	1.00	1.00	0.00	0.60	1.80	1.00	1.00	1.77	1.20
5	14.0	1.0	2.2	1.0	3.7	3.7	0.62	0.00	1.00	0.00	0.00	1.19	1.79	1.00	1.84	1.84
6	13.8	2.9	1.0	1.0	1.0	10.9	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 Loc	Right Lap	Right Sup
1	0.43			-0.66	0.00		-1.17	5.43		1.58
1	0.58		-0.46	-0.54	1.58		-0.50	7.25	0.81	1.31
2	0.56	0.48		-0.56	1.31	0.79	-0.65	7.01		1.30
2	0.56		-0.48	-0.56	1.30		-0.65	6.99	0.79	1.31
3	0.54	0.46		-0.58	1.31	0.81	-0.50	6.75		1.58
3	0.66			-0.43	1.58		-1.17	8.32		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	-0.66	6.04	0.11	RSup	1.58	2.79	0.57	RSup	0.49	-0.23	
1	LSup	0.58	6.04	0.10	LSup	1.58	2.77	0.57	LSup	0.49	-0.06	
2	RSup	-0.56	3.86	0.14	RSup	1.30	2.05	0.63	RSup	0.51	-0.12	
2	LSup	0.56	3.86	0.14	LSup	1.30	2.05	0.63	LSup	0.51	-0.12	
3	RSup	-0.58	6.04	0.10	RSup	1.58	2.77	0.57	RSup	0.49	-0.06	
3	LSup	0.66	6.04	0.11	LSup	1.58	2.79	0.57	LSup	0.49	-0.23	

UNBRACED LENGTH:

Bay Id	Major (ft)	-----Minor(ft)-----					-----Mom1/Mom2-----					-----Cb-----				
		LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup
1	13.8	10.9	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	3.7	3.7	1.0	2.2	1.0	0.00	0.00	1.00	0.00	0.62	1.84	1.84	1.00	1.79	1.19

3	14.0	1.0	2.0	1.0	1.0	3.0	0.60	0.00	1.00	1.00	0.00	1.20	1.77	1.00	1.00	1.80
4	14.0	3.0	1.0	1.0	2.0	1.0	0.00	1.00	1.00	0.00	0.60	1.80	1.00	1.00	1.77	1.20
5	14.0	1.0	2.2	1.0	3.7	3.7	0.62	0.00	1.00	0.00	0.00	1.19	1.79	1.00	1.84	1.84
6	13.8	2.9	1.0	1.0	1.0	10.9	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	Mid-Span Loc	Right Lap	Right Sup
1	0.67			-1.03	0.00		-1.82	5.43		2.46
1	0.90		-0.71	-0.83	2.46		-0.78	7.25	1.26	2.03
2	0.87	0.74		-0.86	2.03	1.23	-1.00	7.01		2.01
2	0.86		-0.74	-0.87	2.01		-1.00	6.99	1.23	2.03
3	0.83	0.71		-0.90	2.03	1.26	-0.78	6.75		2.46
3	1.03			-0.67	2.46		-1.82	8.32		0.00

STRENGTH/DEFLECTION:

Bay Id	Loc	Shear(k )			UC	Moment (f-k )				Mom+Shear		Deflect (in)	
		Calc	Limit	UC		Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
1	RSup	-1.03	6.04	0.17	RSup	2.46	2.79	0.88	RSup	0.76	-0.36		
1	LSup	0.90	6.04	0.15	LSup	2.46	2.77	0.89	LSup	0.75	-0.09		
2	RSup	-0.86	3.86	0.22	RSup	2.01	2.05	0.98	RSup	0.80	-0.19		
2	LSup	0.86	3.86	0.22	LSup	2.01	2.05	0.98	LSup	0.80	-0.19		
3	RSup	-0.90	6.04	0.15	RSup	2.46	2.77	0.89	RSup	0.75	-0.09		
3	LSup	1.03	6.04	0.17	LSup	2.46	2.79	0.88	LSup	0.76	-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	13.8	10.9	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	3.7	3.7	1.0	2.2	1.0	0.00	0.00	1.00	0.00	0.62	1.84	1.84	1.00	1.79	1.19
3	14.0	1.0	2.0	1.0	1.0	3.0	0.60	0.00	1.00	1.00	0.00	1.20	1.77	1.00	1.00	1.80
4	14.0	3.0	1.0	1.0	2.0	1.0	0.00	1.00	1.00	0.00	0.60	1.80	1.00	1.00	1.77	1.20
5	14.0	1.0	2.2	1.0	3.7	3.7	0.62	0.00	1.00	0.00	0.00	1.19	1.79	1.00	1.84	1.84
6	13.8	2.9	1.0	1.0	1.0	10.9	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 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	0.54			-0.82	0.00		-1.45	5.43		1.97
1	0.72		-0.57	-0.67	1.97		-0.63	7.25	1.01	1.62
2	0.69	0.59		-0.69	1.62	0.98	-0.80	7.01		1.61
2	0.69		-0.59	-0.69	1.61		-0.80	6.99	0.98	1.62
3	0.67	0.57		-0.72	1.62	1.01	-0.63	6.75		1.97
3	0.82			-0.54	1.97		-1.45	8.32		0.00

STRENGTH/DEFLECTION:

Bay Id	Loc	Shear(k )			UC	Moment (f-k )				Mom+Shear		Deflect (in)	
		Calc	Limit	UC		Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
1	RSup	-0.82	6.04	0.14	RSup	1.97	2.79	0.71	RSup	0.61	-0.29		
1	LSup	0.72	6.04	0.12	LSup	1.97	2.77	0.71	LSup	0.60	-0.07		
2	RSup	-0.69	3.86	0.18	RSup	1.61	2.05	0.79	RSup	0.64	-0.15		
2	LSup	0.69	3.86	0.18	LSup	1.61	2.05	0.79	LSup	0.64	-0.15		

3	RSup	-0.72	6.04	0.12	RSup	1.97	2.77	0.71	RSup	0.60	-0.07
3	LSup	0.82	6.04	0.14	LSup	1.97	2.79	0.71	LSup	0.61	-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	13.8	10.9	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	3.7	3.7	1.0	2.2	1.0	0.00	0.00	1.00	0.00	0.62	1.84	1.84	1.00	1.79	1.19
3	14.0	1.0	2.0	1.0	1.0	3.0	0.60	0.00	1.00	1.00	0.00	1.20	1.77	1.00	1.00	1.80
4	14.0	3.0	1.0	1.0	2.0	1.0	0.00	1.00	1.00	0.00	0.60	1.80	1.00	1.00	1.77	1.20
5	14.0	1.0	2.2	1.0	3.7	3.7	0.62	0.00	1.00	0.00	0.00	1.19	1.79	1.00	1.84	1.84
6	13.8	2.9	1.0	1.0	1.0	10.9	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 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	0.54			-0.82	0.00		-1.45	5.43		1.97
1	0.72		-0.57	-0.67	1.97		-0.63	7.25	1.01	1.62
2	0.69	0.59		-0.69	1.62	0.98	-0.80	7.01		1.61
2	0.69		-0.59	-0.69	1.61		-0.80	6.99	0.98	1.62
3	0.67	0.57		-0.72	1.62	1.01	-0.63	6.75		1.97
3	0.82			-0.54	1.97		-1.45	8.32		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
1	RSup	-0.82	6.04	0.14	RSup	1.97	2.79	0.71	RSup	0.61	-0.29
1	LSup	0.72	6.04	0.12	LSup	1.97	2.77	0.71	LSup	0.60	-0.07
2	RSup	-0.69	3.86	0.18	RSup	1.61	2.05	0.79	RSup	0.64	-0.15
2	LSup	0.69	3.86	0.18	LSup	1.61	2.05	0.79	LSup	0.64	-0.15
3	RSup	-0.72	6.04	0.12	RSup	1.97	2.77	0.71	RSup	0.60	-0.07
3	LSup	0.82	6.04	0.14	LSup	1.97	2.79	0.71	LSup	0.61	-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	13.8	10.9	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	3.7	3.7	1.0	2.2	1.0	0.00	0.00	1.00	0.00	0.62	1.84	1.84	1.00	1.79	1.19
3	14.0	1.0	2.0	1.0	1.0	3.0	0.60	0.00	1.00	1.00	0.00	1.20	1.77	1.00	1.00	1.80
4	14.0	3.0	1.0	1.0	2.0	1.0	0.00	1.00	1.00	0.00	0.60	1.80	1.00	1.00	1.77	1.20
5	14.0	1.0	2.2	1.0	3.7	3.7	0.62	0.00	1.00	0.00	0.00	1.19	1.79	1.00	1.84	1.84
6	13.8	2.9	1.0	1.0	1.0	10.9	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	Mid-Span Loc	Right Lap	Right Sup
1	-0.53			0.70	0.00		1.44	5.94		-1.66
1	-0.54		0.39	0.46	-1.66		0.38	7.55	-0.68	-1.11
2	-0.49	-0.42		0.51	-1.11	-0.65	0.60	6.91		-1.20
2	-0.51		0.42	0.49	-1.20		0.60	7.09	-0.65	-1.11
3	-0.46	-0.39		0.54	-1.11	-0.68	0.38	6.45		-1.66
3	-0.70			0.53	-1.66		1.44	7.81		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	0.70	6.04	0.12	RSup	-1.66	2.63	0.63	RSup	0.51	0.30	
1	LSup	-0.54	6.04	0.09	LSup	-1.66	2.63	0.63	LSup	0.51	0.02	
2	RSup	0.51	3.86	0.13	RSup	-1.20	1.93	0.62	RSup	0.47	0.12	
2	LSup	-0.51	3.86	0.13	LSup	-1.20	1.93	0.62	LSup	0.47	0.12	
3	RSup	0.54	6.04	0.09	RSup	-1.66	2.63	0.63	RSup	0.51	0.02	
3	LSup	-0.70	6.04	0.12	LSup	-1.66	2.63	0.63	LSup	0.51	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	13.8	10.9	10.9	10.9	10.9	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	6.0	1.0	1.0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.11	1.00	1.00
3	14.0	1.0	1.0	7.7	7.7	1.0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.12	1.12	1.00
4	14.0	1.0	7.7	7.7	1.0	1.0	1.00	1.00	1.00	1.00	1.00	1.00	1.12	1.12	1.00	1.00
5	14.0	1.0	1.0	6.0	1.0	1.0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.11	1.00	1.00
6	13.8	1.0	10.9	10.9	10.9	10.9	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	0.50			-0.77	0.00		-1.36	5.43		1.84
1	0.67		-0.53	-0.62	1.84		-0.59	7.25	0.94	1.52
2	0.65	0.56		-0.65	1.52	0.92	-0.75	7.01		1.51
2	0.65		-0.56	-0.65	1.51		-0.75	6.99	0.92	1.52
3	0.62	0.53		-0.67	1.52	0.94	-0.59	6.75		1.84
3	0.77			-0.50	1.84		-1.36	8.32		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	-0.77	6.04	0.13	RSup	1.84	2.79	0.66	RSup	0.57	-0.27	
1	LSup	0.67	6.04	0.11	LSup	1.84	2.77	0.67	LSup	0.56	-0.07	
2	RSup	-0.65	3.86	0.17	RSup	1.51	2.05	0.74	RSup	0.60	-0.14	
2	LSup	0.65	3.86	0.17	LSup	1.51	2.05	0.74	LSup	0.60	-0.14	
3	RSup	-0.67	6.04	0.11	RSup	1.84	2.77	0.67	RSup	0.56	-0.07	
3	LSup	0.77	6.04	0.13	LSup	1.84	2.79	0.66	LSup	0.57	-0.27	

UNBRACED LENGTH:

Bay Id	Major (ft)	Minor (ft)					Mom1/Mom2					Cb				
		LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup
1	13.8	10.7	1.0	1.0	1.0	3.0	1.00	1.00	1.00	1.00	-0.03	1.13	1.00	1.00	1.00	1.82
2	14.0	3.9	3.9	1.0	2.3	1.0	-0.03	-0.03	1.00	-0.04	0.62	1.91	1.91	1.00	1.85	1.19
3	14.0	1.0	2.1	1.0	1.0	3.1	0.60	-0.03	1.00	1.00	-0.04	1.20	1.82	1.00	1.00	1.87
4	14.0	3.1	1.0	1.0	2.1	1.0	-0.04	1.00	1.00	-0.03	0.60	1.87	1.00	1.00	1.82	1.20
5	14.0	1.0	2.3	1.0	3.9	3.9	0.62	-0.04	1.00	-0.03	-0.03	1.19	1.85	1.00	1.91	1.91
6	13.8	3.0	1.0	1.0	1.0	10.7	-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:

Shear(k )				Moment (f-k )					
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Bay Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	Mid-Span Mom	Mid-Span Loc	Right Lap	Right Sup
1	0.59			-0.90	0.00		-1.60	5.43		2.16
1	0.79		-0.62	-0.73	2.16		-0.69	7.25	1.11	1.78
2	0.76	0.65		-0.76	1.78	1.08	-0.88	7.01		1.77
2	0.76		-0.65	-0.76	1.77		-0.88	6.99	1.08	1.78
3	0.73	0.62		-0.79	1.78	1.11	-0.69	6.75		2.16
3	0.90			-0.59	2.16		-1.60	8.32		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	-0.90	6.04	0.15	RSup	2.16	2.79	0.77	RSup	0.67	-0.32	
1	LSup	0.79	6.04	0.13	LSup	2.16	2.77	0.78	LSup	0.66	-0.08	
2	RSup	-0.76	3.86	0.20	RSup	1.77	2.05	0.86	RSup	0.70	-0.17	
2	LSup	0.76	3.86	0.20	LSup	1.77	2.05	0.86	LSup	0.70	-0.17	
3	RSup	-0.79	6.04	0.13	RSup	2.16	2.77	0.78	RSup	0.66	-0.08	
3	LSup	0.90	6.04	0.15	LSup	2.16	2.79	0.77	LSup	0.67	-0.32	

UNBRACED LENGTH:

Bay Id	Major (ft)	Minor (ft)					Mom1/Mom2					Cb				
		LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup
1	13.8	10.7	1.0	1.0	1.0	3.0	1.00	1.00	1.00	1.00	-0.03	1.13	1.00	1.00	1.00	1.82
2	14.0	3.9	3.9	1.0	2.3	1.0	-0.03	-0.03	1.00	-0.04	0.62	1.91	1.91	1.00	1.85	1.19
3	14.0	1.0	2.1	1.0	1.0	3.1	0.60	-0.03	1.00	1.00	-0.04	1.20	1.82	1.00	1.00	1.87
4	14.0	3.1	1.0	1.0	2.1	1.0	-0.04	1.00	1.00	-0.03	0.60	1.87	1.00	1.00	1.82	1.20
5	14.0	1.0	2.3	1.0	3.9	3.9	0.62	-0.04	1.00	-0.03	-0.03	1.19	1.85	1.00	1.91	1.91
6	13.8	3.0	1.0	1.0	1.0	10.7	-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	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	Mid-Span Mom	Mid-Span Loc	Right Lap	Right Sup
1	0.43			-0.67	0.00		-1.14	5.35		1.67
1	0.60		-0.43	-0.51	1.67		-0.64	7.61	0.52	0.99
2	0.34	0.30		-0.30	0.99	0.67	-0.29	7.47		0.69
2	0.32		-0.28	-0.33	0.69		-0.40	6.86	0.47	0.78
3	0.31	0.27		-0.33	0.78	0.49	-0.28	6.79		0.91
3	0.38			-0.25	0.91		-0.68	8.32		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	-0.67	6.04	0.11	RSup	1.67	2.79	0.60	RSup	0.51	-0.22	
1	LSup	0.60	6.04	0.10	LSup	1.67	2.77	0.60	LSup	0.51	-0.09	
2	RSup	-0.30	3.86	0.08	RSup	0.69	2.05	0.34	RSup	0.27	-0.04	
2	LSup	0.32	3.86	0.08	LSup	0.69	2.06	0.33	LSup	0.27	-0.08	
3	RSup	-0.33	6.04	0.05	RSup	0.91	2.77	0.33	RSup	0.28	-0.03	
3	LSup	0.38	6.04	0.06	LSup	0.91	2.79	0.33	LSup	0.28	-0.14	

UNBRACED LENGTH:

Bay Id	Major (ft)	Minor (ft)					Mom1/Mom2					Cb				
		LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup
1	13.8	10.6	1.0	1.0	1.0	3.1	1.00	1.00	1.00	1.00	-0.02	1.13	1.00	1.00	1.00	1.81
2	14.0	3.7	3.7	1.0	1.6	1.0	-0.02	-0.02	1.00	-0.13	0.53	1.87	1.87	1.00	1.95	1.24
3	14.0	1.0	2.9	1.0	1.0	3.0	0.68	0.00	1.00	1.00	0.00	1.15	1.82	1.00	1.00	1.82



4	14.0	2.7	1.0	1.0	2.0	1.0	0.00	1.00	1.00	0.00	0.61	1.79	1.00	1.00	1.76	1.19
5	14.0	1.0	2.3	1.0	3.7	3.7	0.63	0.00	1.00	0.00	0.00	1.18	1.79	1.00	1.85	1.85
6	13.8	2.9	1.0	1.0	1.0	10.9	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	0.23			-0.40	0.00		-0.59	5.07		1.14
1	0.53		-0.50	-0.58	1.14		-0.63	6.68	0.96	1.50
2	0.59	0.51		-0.52	1.50	0.95	-0.71	7.46		0.99
2	0.34		-0.25	-0.30	0.99		-0.29	7.49	0.40	0.68
3	0.30	0.26		-0.34	0.68	0.40	-0.32	6.60		0.94
3	0.38			-0.25	0.94		-0.67	8.35		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	-0.40	6.04	0.07	RSup	1.14	2.77	0.41	RSup	0.35	-0.10	
1	LSup	0.53	6.04	0.09	LSup	1.14	2.80	0.41	LSup	0.35	-0.10	
2	RSup	-0.52	3.86	0.13	RSup	0.99	2.07	0.48	RSup	0.40	-0.14	
2	LSup	0.34	3.86	0.09	LSup	0.99	2.03	0.49	LSup	0.39	-0.04	
3	RSup	-0.34	6.04	0.06	RSup	0.94	2.77	0.34	RSup	0.29	-0.04	
3	LSup	0.38	6.04	0.06	LSup	0.94	2.79	0.34	LSup	0.29	-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	13.8	10.1	1.0	1.0	3.6	3.6	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	2.5	1.0	-0.06	1.00	1.00	-0.04	0.64	1.90	1.00	1.00	1.84	1.17
3	14.0	1.0	2.3	1.0	1.0	2.6	0.63	-0.04	1.00	1.00	-0.09	1.18	1.83	1.00	1.00	1.94
4	14.0	3.9	3.9	1.0	1.9	1.0	0.00	0.00	1.00	0.00	0.59	1.85	1.85	1.00	1.77	1.20
5	14.0	1.0	1.9	1.0	3.7	3.7	0.59	0.00	1.00	0.00	0.00	1.21	1.77	1.00	1.84	1.84
6	13.8	3.0	1.0	1.0	1.0	10.8	0.00	1.00	1.00	1.00	1.00	1.77	1.00	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	0.25			-0.38	0.00		-0.71	5.54		0.84
1	0.31		-0.29	-0.34	0.84		-0.18	6.67	0.74	1.05
2	0.53	0.45		-0.58	1.05	0.56	-0.71	6.67		1.42
2	0.58		-0.45	-0.53	1.42		-0.71	7.33	0.56	1.05
3	0.34	0.29		-0.31	1.05	0.74	-0.18	7.33		0.84
3	0.38			-0.25	0.84		-0.71	8.21		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	-0.38	6.04	0.06	RSup	0.84	2.80	0.30	RSup	0.26	-0.15	
1	LSup	0.31	6.04	0.05	LSup	0.84	2.76	0.30	LSup	0.26	0.00	
2	RSup	-0.58	3.86	0.15	RSup	1.42	2.04	0.70	RSup	0.56	-0.15	
2	LSup	0.58	3.86	0.15	LSup	1.42	2.04	0.70	LSup	0.56	-0.15	
3	RSup	-0.31	6.04	0.05	RSup	0.84	2.76	0.30	RSup	0.26	0.00	

3 LSup 0.38 6.04 0.06 LSup 0.84 2.80 0.30 LSup 0.26 -0.15

UNBRACED LENGTH:

Bay Id	Major (ft)	-----Minor (ft)-----					-----Mom1/Mom2-----					-----Cb-----				
		LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup
1	13.8	11.1	1.0	1.0	1.0	2.7	1.00	1.00	1.00	1.00	0.00	1.14	1.00	1.00	1.00	1.76
2	14.0	3.9	3.9	1.0	3.5	1.0	0.00	0.00	1.00	0.00	0.70	1.88	1.88	1.00	1.87	1.14
3	14.0	1.0	1.7	1.0	1.0	3.2	0.53	-0.13	1.00	1.00	-0.03	1.24	1.94	1.00	1.00	1.85
4	14.0	3.2	1.0	1.0	1.7	1.0	-0.03	1.00	1.00	-0.13	0.53	1.85	1.00	1.00	1.94	1.24
5	14.0	1.0	3.5	1.0	3.9	3.9	0.70	0.00	1.00	0.00	0.00	1.14	1.87	1.00	1.88	1.88
6	13.8	2.7	1.0	1.0	1.0	11.1	0.00	1.00	1.00	1.00	1.00	1.76	1.00	1.00	1.00	1.14

LOAD ID 13 : Dead+Collateral+Snow/2+PAT\_SL\_6

REACTIONS:

Bay Id	-----Shear (k )-----				-----Moment (f-k )-----					
	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	Mid-Span Mom	Mid-Span Loc	Right Lap	Right Sup
1	0.25			-0.38	0.00		-0.67	5.40		0.94
1	0.34		-0.26	-0.30	0.94		-0.32	7.40	0.40	0.68
2	0.30	0.25		-0.34	0.68	0.40	-0.29	6.51		0.99
2	0.52		-0.51	-0.59	0.99		-0.71	6.54	0.95	1.50
3	0.58	0.50		-0.53	1.50	0.96	-0.63	7.32		1.14
3	0.40			-0.23	1.14		-0.59	8.68		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
1	RSup	-0.38	6.04	0.06	RSup	0.94	2.79	0.34	RSup	0.29	-0.13
1	LSup	0.34	6.04	0.06	LSup	0.94	2.77	0.34	LSup	0.29	-0.04
2	RSup	-0.34	3.86	0.09	RSup	0.99	2.03	0.49	RSup	0.39	-0.04
2	LSup	0.52	3.86	0.13	LSup	0.99	2.07	0.48	LSup	0.40	-0.14
3	RSup	-0.53	6.04	0.09	RSup	1.14	2.80	0.41	RSup	0.35	-0.10
3	LSup	0.40	6.04	0.07	LSup	1.14	2.77	0.41	LSup	0.35	-0.10

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	13.8	10.8	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	1.21
3	14.0	1.0	1.9	1.0	3.9	3.9	0.59	0.00	1.00	0.00	0.00	1.20	1.77	1.00	1.85	1.85
4	14.0	2.6	1.0	1.0	2.3	1.0	-0.09	1.00	1.00	-0.04	0.63	1.94	1.00	1.00	1.83	1.18
5	14.0	1.0	2.5	1.0	1.0	2.9	0.64	-0.04	1.00	1.00	-0.06	1.17	1.84	1.00	1.00	1.90
6	13.8	3.6	3.6	1.0	1.0	10.1	0.00	0.00	1.00	1.00	1.00	1.80	1.80	1.00	1.00	1.14

LOAD ID 14 : Dead+Collateral+Snow/2+PAT\_SL\_7

REACTIONS:

Bay Id	-----Shear (k )-----				-----Moment (f-k )-----					
	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	Mid-Span Mom	Mid-Span Loc	Right Lap	Right Sup
1	0.25			-0.38	0.00		-0.68	5.43		0.91
1	0.33		-0.27	-0.31	0.91		-0.28	7.21	0.49	0.78
2	0.33	0.28		-0.32	0.78	0.47	-0.40	7.14		0.69
2	0.30		-0.30	-0.34	0.69		-0.29	6.53	0.67	0.99
3	0.51	0.43		-0.60	0.99	0.52	-0.64	6.39		1.67
3	0.67			-0.43	1.67		-1.14	8.40		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	-0.38	6.04	0.06	RSup	0.91	2.79	0.33	RSup	0.28	-0.14	
1	LSup	0.33	6.04	0.05	LSup	0.91	2.77	0.33	LSup	0.28	-0.03	
2	RSup	-0.32	3.86	0.08	RSup	0.69	2.06	0.33	RSup	0.27	-0.08	
2	LSup	0.30	3.86	0.08	LSup	0.69	2.05	0.34	LSup	0.27	-0.04	
3	RSup	-0.60	6.04	0.10	RSup	1.67	2.77	0.60	RSup	0.51	-0.09	
3	LSup	0.67	6.04	0.11	LSup	1.67	2.79	0.60	LSup	0.51	-0.22	

UNBRACED LENGTH:

Bay Id	Major (ft)	Minor (ft)					Mom1/Mom2					Cb				
		LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup
1	13.8	10.9	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	3.7	3.7	1.0	2.3	1.0	0.00	0.00	1.00	0.00	0.63	1.85	1.85	1.00	1.79	1.18
3	14.0	1.0	2.0	1.0	1.0	2.7	0.61	0.00	1.00	1.00	0.00	1.19	1.76	1.00	1.00	1.79
4	14.0	3.0	1.0	1.0	2.9	1.0	0.00	1.00	1.00	0.00	0.68	1.82	1.00	1.00	1.82	1.15
5	14.0	1.0	1.6	1.0	3.7	3.7	0.53	-0.13	1.00	-0.02	-0.02	1.24	1.95	1.00	1.87	1.87
6	13.8	3.1	1.0	1.0	1.0	10.6	-0.02	1.00	1.00	1.00	1.00	1.81	1.00	1.00	1.00	1.13

LOAD ID 15 : Dead+Collateral+Snow/2+PAT\_SL\_1

REACTIONS:

Bay Id	Shear(k )				Moment (f-k )					
	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	Mid-Span Mom	Mid-Span Loc	Right Lap	Right Sup
1	0.45			-0.64	0.00		-1.27	5.65		1.34
1	0.37		-0.23	-0.27	1.34		-0.16	8.08	0.40	0.64
2	0.31	0.27		-0.33	0.64	0.36	-0.42	6.79		0.78
2	0.32		-0.27	-0.32	0.78		-0.36	7.05	0.45	0.75
3	0.31	0.26		-0.33	0.75	0.46	-0.30	6.73		0.92
3	0.38			-0.25	0.92		-0.68	8.33		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	-0.64	6.04	0.11	MidS	-1.27	2.63	0.48	RSup	0.42	-0.27	
1	LSup	0.37	6.04	0.06	LSup	1.34	2.74	0.49	LSup	0.41	0.02	
2	RSup	-0.33	3.86	0.09	RSup	0.78	2.05	0.38	RSup	0.31	-0.09	
2	LSup	0.32	3.86	0.08	LSup	0.78	2.04	0.38	LSup	0.31	-0.07	
3	RSup	-0.33	6.04	0.06	RSup	0.92	2.77	0.33	RSup	0.28	-0.03	
3	LSup	0.38	6.04	0.06	LSup	0.92	2.79	0.33	LSup	0.28	-0.14	

UNBRACED LENGTH:

Bay Id	Major (ft)	Minor (ft)					Mom1/Mom2					Cb				
		LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup
1	13.8	11.1	1.0	1.0	1.0	2.6	1.00	1.00	1.00	1.00	-0.06	1.13	1.00	1.00	1.00	1.85
2	14.0	5.4	5.4	1.0	2.3	1.0	0.00	0.00	1.00	0.00	0.61	1.95	1.95	1.00	1.82	1.19
3	14.0	1.0	1.5	1.0	1.0	3.0	0.55	0.00	1.00	1.00	0.00	1.23	1.74	1.00	1.00	1.80
4	14.0	3.1	1.0	1.0	2.0	1.0	0.00	1.00	1.00	0.00	0.60	1.81	1.00	1.00	1.77	1.20
5	14.0	1.0	2.1	1.0	3.7	3.7	0.62	0.00	1.00	0.00	0.00	1.19	1.78	1.00	1.84	1.84
6	13.8	2.9	1.0	1.0	1.0	10.8	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/2+PAT\_SL\_2

REACTIONS:

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

Id	Sup	Lap	Lap	Sup	Sup	Lap	Mom	Loc	Lap	Sup
1	0.25			-0.38	0.00		-0.68	5.42		0.92
1	0.33		-0.26	-0.31	0.92		-0.30	7.27	0.46	0.75
2	0.32	0.27		-0.32	0.75	0.45	-0.36	6.95		0.78
2	0.33		-0.27	-0.31	0.78		-0.42	7.21	0.36	0.64
3	0.27	0.23		-0.37	0.64	0.40	-0.16	5.92		1.34
3	0.64			-0.45	1.34		-1.27	8.10		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	-0.38	6.04	0.06	RSup	0.92	2.79	0.33	RSup	0.28	-0.14	
1	LSup	0.33	6.04	0.06	LSup	0.92	2.77	0.33	LSup	0.28	-0.03	
2	RSup	-0.32	3.86	0.08	RSup	0.78	2.04	0.38	RSup	0.31	-0.07	
2	LSup	0.33	3.86	0.09	LSup	0.78	2.05	0.38	LSup	0.31	-0.09	
3	RSup	-0.37	6.04	0.06	RSup	1.34	2.74	0.49	RSup	0.41	0.02	
3	LSup	0.64	6.04	0.11	MidS	-1.27	2.63	0.48	LSup	0.42	-0.27	

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	13.8	10.8	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	3.7	3.7	1.0	2.1	1.0	0.00	0.00	1.00	0.00	0.62	1.84	1.84	1.00	1.78	1.19
3	14.0	1.0	2.0	1.0	1.0	3.1	0.60	0.00	1.00	1.00	0.00	1.20	1.77	1.00	1.00	1.81
4	14.0	3.0	1.0	1.0	1.5	1.0	0.00	1.00	1.00	0.00	0.55	1.80	1.00	1.00	1.74	1.23
5	14.0	1.0	2.3	1.0	5.4	5.4	0.61	0.00	1.00	0.00	0.00	1.19	1.82	1.00	1.95	1.95
6	13.8	2.6	1.0	1.0	1.0	11.1	-0.06	1.00	1.00	1.00	1.00	1.85	1.00	1.00	1.00	1.13

LOAD ID 17 : Dead+Collateral+Snow-PAT\_SL\_1

REACTIONS:

Bay	-----Shear(k )-----				-----Moment(f-k )-----						
Id	Left	Left	Right	Right	Left	Left	Mid-Span		Right	Right	
	Sup	Lap	Lap	Sup	Sup	Lap	Mom	Loc	Lap	Sup	
1	0.23			-0.40	0.00		-0.58	5.03		1.16	
1	0.54		-0.49	-0.57	1.16		-0.66	6.77	0.88	1.42	
2	0.57	0.49		-0.55	1.42	0.89	-0.61	7.14		1.27	
2	0.55		-0.48	-0.56	1.27		-0.66	6.96	0.80	1.32	
3	0.54	0.46		-0.58	1.32	0.82	-0.50	6.76		1.58	
3	0.66			-0.43	1.58		-1.17	8.32		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	-0.40	6.04	0.07	RSup	1.16	2.77	0.42	RSup	0.36	-0.10	
1	LSup	0.54	6.04	0.09	LSup	1.16	2.80	0.42	LSup	0.36	-0.11	
2	RSup	-0.55	3.86	0.14	RSup	1.27	2.05	0.62	RSup	0.50	-0.11	
2	LSup	0.55	3.86	0.14	LSup	1.27	2.05	0.62	LSup	0.50	-0.13	
3	RSup	-0.58	6.04	0.10	RSup	1.58	2.77	0.57	RSup	0.48	-0.06	
3	LSup	0.66	6.04	0.11	LSup	1.58	2.79	0.57	LSup	0.49	-0.24	

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	13.8	9.8	1.0	1.0	3.9	3.9	1.00	1.00	1.00	-0.05	-0.05	1.13	1.00	1.00	1.89	1.89
2	14.0	2.7	1.0	1.0	2.2	1.0	0.00	1.00	1.00	0.00	0.62	1.79	1.00	1.00	1.77	1.18
3	14.0	1.0	2.2	1.0	1.0	3.0	0.63	0.00	1.00	1.00	0.00	1.18	1.78	1.00	1.00	1.81
4	14.0	2.9	1.0	1.0	2.0	1.0	0.00	1.00	1.00	0.00	0.60	1.80	1.00	1.00	1.76	1.20

5	14.0	1.0	2.2	1.0	3.7	3.7	0.62	0.00	1.00	0.00	0.00	1.19	1.79	1.00	1.85	1.85
6	13.8	2.9	1.0	1.0	1.0	10.9	0.00	1.00	1.00	1.00	1.00	1.77	1.00	1.00	1.00	1.14

LOAD ID 18 : Dead+Collateral+Snow-PAT\_SL\_2

REACTIONS:

Bay Id	-----Shear(k )-----				-----Moment (f-k )-----					
	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	Mid-Span Mom	Mid-Span Loc	Right Lap	Right Sup
1	0.43			-0.66	0.00		-1.17	5.43		1.58
1	0.58		-0.46	-0.54	1.58		-0.50	7.24	0.82	1.32
2	0.56	0.48		-0.55	1.32	0.80	-0.66	7.04		1.27
2	0.55		-0.49	-0.57	1.27		-0.61	6.86	0.89	1.42
3	0.57	0.49		-0.54	1.42	0.88	-0.66	7.23		1.16
3	0.40			-0.23	1.16		-0.58	8.72		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	-0.66	6.04	0.11	RSup	1.58	2.79	0.57	RSup	0.49	-0.24	
1	LSup	0.58	6.04	0.10	LSup	1.58	2.77	0.57	LSup	0.48	-0.06	
2	RSup	-0.55	3.86	0.14	RSup	1.27	2.05	0.62	RSup	0.50	-0.13	
2	LSup	0.55	3.86	0.14	LSup	1.27	2.05	0.62	LSup	0.50	-0.11	
3	RSup	-0.54	6.04	0.09	RSup	1.16	2.80	0.42	RSup	0.36	-0.11	
3	LSup	0.40	6.04	0.07	LSup	1.16	2.77	0.42	LSup	0.36	-0.10	

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	13.8	10.9	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	3.7	3.7	1.0	2.2	1.0	0.00	0.00	1.00	0.00	0.62	1.85	1.85	1.00	1.79	1.19
3	14.0	1.0	2.0	1.0	1.0	2.9	0.60	0.00	1.00	1.00	0.00	1.20	1.76	1.00	1.00	1.80
4	14.0	3.0	1.0	1.0	2.2	1.0	0.00	1.00	1.00	0.00	0.63	1.81	1.00	1.00	1.78	1.18
5	14.0	1.0	2.2	1.0	1.0	2.7	0.62	0.00	1.00	1.00	0.00	1.18	1.77	1.00	1.00	1.79
6	13.8	3.9	3.9	1.0	1.0	9.8	-0.05	-0.05	1.00	1.00	1.00	1.89	1.89	1.00	1.00	1.13

LOAD ID 19 : 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	Mid-Span Loc	Right Lap	Right Sup
1	0.57			-0.87	0.00		-1.54	5.43		2.08
1	0.76		-0.60	-0.71	2.08		-0.66	7.25	1.06	1.72
2	0.73	0.63		-0.73	1.72	1.04	-0.85	7.01		1.70
2	0.73		-0.63	-0.73	1.70		-0.85	6.99	1.04	1.72
3	0.71	0.60		-0.76	1.72	1.06	-0.66	6.75		2.08
3	0.87			-0.57	2.08		-1.54	8.32		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	-0.87	6.04	0.14	RSup	2.08	2.79	0.75	RSup	0.64	-0.31	
1	LSup	0.76	6.04	0.13	LSup	2.08	2.77	0.75	LSup	0.64	-0.07	
2	RSup	-0.73	3.86	0.19	RSup	1.70	2.05	0.83	RSup	0.67	-0.16	
2	LSup	0.73	3.86	0.19	LSup	1.70	2.05	0.83	LSup	0.67	-0.16	
3	RSup	-0.76	6.04	0.13	RSup	2.08	2.77	0.75	RSup	0.64	-0.07	
3	LSup	0.87	6.04	0.14	LSup	2.08	2.79	0.75	LSup	0.64	-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	13.8	10.7	1.0	1.0	1.0	3.0	1.00	1.00	1.00	1.00	-0.03	1.13	1.00	1.00	1.00	1.82
2	14.0	3.9	3.9	1.0	2.3	1.0	-0.03	-0.03	1.00	-0.04	0.62	1.91	1.91	1.00	1.85	1.19
3	14.0	1.0	2.1	1.0	1.0	3.1	0.60	-0.03	1.00	1.00	-0.04	1.20	1.82	1.00	1.00	1.87
4	14.0	3.1	1.0	1.0	2.1	1.0	-0.04	1.00	1.00	-0.03	0.60	1.87	1.00	1.00	1.82	1.20
5	14.0	1.0	2.3	1.0	3.9	3.9	0.62	-0.04	1.00	-0.03	-0.03	1.19	1.85	1.00	1.91	1.91
6	13.8	3.0	1.0	1.0	1.0	10.7	-0.03	1.00	1.00	1.00	1.00	1.82	1.00	1.00	1.00	1.13

DEFLECTION:

-----

LOAD ID 20 : Dead+Collateral+Live

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Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.33	1.85	0.18
1	-0.08	1.85	0.04
2	-0.17	1.87	0.09
2	-0.17	1.87	0.09
3	-0.08	1.85	0.04
3	-0.33	1.85	0.18

LOAD ID 21 : Dead+Collateral+Snow

-----

Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.23	1.85	0.13
1	-0.06	1.85	0.03
2	-0.12	1.87	0.07
2	-0.12	1.87	0.07
3	-0.06	1.85	0.03
3	-0.23	1.85	0.13

LOAD ID 22 : Dead+Collateral+Snow+Snow\_Drift

-----

Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.23	1.85	0.13
1	-0.06	1.85	0.03
2	-0.12	1.87	0.07
2	-0.12	1.87	0.07
3	-0.06	1.85	0.03
3	-0.23	1.85	0.13

LOAD ID 23 : Dead+Collateral+0.75Live+0.41Wind\_Pressure

-----

Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.35	2.22	0.16
1	-0.09	2.22	0.04
2	-0.18	2.24	0.08
2	-0.18	2.24	0.08
3	-0.09	2.22	0.04
3	-0.35	2.22	0.16

LOAD ID 24 : Dead+Collateral+0.75Snow+0.41Wind\_Pressure

-----

Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.28	2.22	0.13
1	-0.07	2.22	0.03
2	-0.15	2.24	0.07
2	-0.15	2.24	0.07
3	-0.07	2.22	0.03
3	-0.28	2.22	0.13

LOAD ID 25 : Dead+Collateral+0.75Snow+0.41Wind\_Pressure+0.75Snow\_Drift

Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.28	2.22	0.13
1	-0.07	2.22	0.03
2	-0.15	2.24	0.07
2	-0.15	2.24	0.07
3	-0.07	2.22	0.03
3	-0.28	2.22	0.13

LOAD ID 26 : 0.6Dead+0.54Wind\_Suction

Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	0.26	2.22	0.12
1	0.02	2.22	0.01
2	0.10	2.24	0.05
2	0.10	2.24	0.05
3	0.02	2.22	0.01
3	0.26	2.22	0.12

LOAD ID 27 : Dead+Collateral+MIN\_SNOW

Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.27	1.85	0.15
1	-0.07	1.85	0.04
2	-0.14	1.87	0.08
2	-0.14	1.87	0.08
3	-0.07	1.85	0.04
3	-0.27	1.85	0.15

LOAD ID 28 : Dead+Collateral+0.41Wind\_Pressure+0.75MIN\_SNOW

Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.31	2.22	0.14
1	-0.07	2.22	0.03
2	-0.16	2.24	0.07
2	-0.16	2.24	0.07
3	-0.07	2.22	0.03
3	-0.31	2.22	0.14

LOAD ID 29 : Dead+Collateral+Snow/2+PAT\_SL\_3

Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.22	1.85	0.12
1	-0.09	1.85	0.05

2	-0.04	1.87	0.02
2	-0.08	1.87	0.04
3	-0.03	1.85	0.02
3	-0.14	1.85	0.07

LOAD ID 30 : Dead+Collateral+Snow/2+PAT\_SL\_4

Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.10	1.85	0.05
1	-0.10	1.85	0.05
2	-0.14	1.87	0.08
2	-0.04	1.87	0.02
3	-0.04	1.85	0.02
3	-0.13	1.85	0.07

LOAD ID 31 : Dead+Collateral+Snow/2+PAT\_SL\_5

Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.15	1.85	0.08
1	0.00	1.85	0.00
2	-0.15	1.87	0.08
2	-0.15	1.87	0.08
3	0.00	1.85	0.00
3	-0.15	1.85	0.08

LOAD ID 32 : Dead+Collateral+Snow/2+PAT\_SL\_6

Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.13	1.85	0.07
1	-0.04	1.85	0.02
2	-0.04	1.87	0.02
2	-0.14	1.87	0.08
3	-0.10	1.85	0.05
3	-0.10	1.85	0.05

LOAD ID 33 : Dead+Collateral+Snow/2+PAT\_SL\_7

Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.14	1.85	0.07
1	-0.03	1.85	0.02
2	-0.08	1.87	0.04
2	-0.04	1.87	0.02
3	-0.09	1.85	0.05
3	-0.22	1.85	0.12

LOAD ID 34 : Dead+Collateral+Snow/2+PAT\_SL\_1

Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.27	1.85	0.15
1	0.02	1.85	0.01
2	-0.09	1.87	0.05
2	-0.07	1.87	0.04
3	-0.03	1.85	0.02
3	-0.14	1.85	0.07



LOAD ID 35 : Dead+Collateral+Snow/2+PAT\_SL\_2

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Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.14	1.85	0.07
1	-0.03	1.85	0.02
2	-0.07	1.87	0.04
2	-0.09	1.87	0.05
3	0.02	1.85	0.01
3	-0.27	1.85	0.15

LOAD ID 36 : Dead+Collateral+Snow-PAT\_SL\_1

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Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.10	1.85	0.05
1	-0.11	1.85	0.06
2	-0.11	1.87	0.06
2	-0.13	1.87	0.07
3	-0.06	1.85	0.03
3	-0.24	1.85	0.13

LOAD ID 37 : Dead+Collateral+Snow-PAT\_SL\_2

---

Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.24	1.85	0.13
1	-0.06	1.85	0.03
2	-0.13	1.87	0.07
2	-0.11	1.87	0.06
3	-0.11	1.85	0.06
3	-0.10	1.85	0.05

LOAD ID 38 : Dead+Collateral+UNB\_SL

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Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.31	1.85	0.17
1	-0.07	1.85	0.04
2	-0.16	1.87	0.09
2	-0.16	1.87	0.09
3	-0.07	1.85	0.04
3	-0.31	1.85	0.17

## 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	0.55		4 0.98 Moment
3	10.009	5.004	5.004	0.55		4 0.98 Moment
4	15.013	5.004	5.004	0.55	Y	4 0.98 Moment
5	20.017	5.004	5.004	0.55		4 0.98 Moment
6	25.022	5.004	5.004	0.55		4 0.98 Moment
	30.026	5.004				

-----  
Average= 0.66

## LAYOUT:

Bay Id	Part	Bay Width	---Lap(ft)-- Left Right		No. Brace	Unit Weight	Total Weight
1	6X25Z14	27.75		1.00	0	80.5	483.0
2	6X25Z16	28.00	1.00	1.00	0	70.2	421.2
3	6X25Z14	27.75	1.00		0	80.5	483.0
Total (lb)=						231.2	1387.2

## LOAD COMBINATIONS:

4 - Dead+Collateral+0.75Live+0.45Wind\_Pressure

## 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	13.75			5.00	0	38.5	0.00	0.70
1	6X25Z14	14.00		1.00	5.00	0	42.0	0.00	0.70
2	6X25Z16	14.00	1.00		5.00	0	35.1	0.00	0.70
2	6X25Z16	14.00		1.00	5.00	0	35.1	0.00	0.70
3	6X25Z14	14.00	1.00		5.00	0	42.0	0.00	0.70
3	6X25Z14	13.75			5.00	0	38.5	0.00	0.70

LOAD ID 1 : Dead+Collateral+Live

## REACTIONS:

Bay Id	-----Shear(k )-----				-----Moment(f-k )-----					
	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	Mid-Span Mom	Mid-Span Loc	Right Lap	Right Sup
1	0.61			-0.94	0.00		-1.65	5.43		2.24
1	0.81		-0.65	-0.76	2.24		-0.71	7.25	1.15	1.85
2	0.79	0.68		-0.79	1.85	1.12	-0.91	7.01		1.83
2	0.79		-0.68	-0.79	1.83		-0.91	6.99	1.12	1.85
3	0.76	0.65		-0.81	1.85	1.15	-0.71	6.75		2.24
3	0.94			-0.61	2.24		-1.65	8.32		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	-0.94	6.04	0.15	RSup	2.24	2.79	0.80	RSup	0.69	-0.33	
1	LSup	0.81	6.04	0.13	LSup	2.24	2.77	0.81	LSup	0.69	-0.08	
2	RSup	-0.79	3.86	0.20	RSup	1.83	2.05	0.90	RSup	0.73	-0.17	
2	LSup	0.79	3.86	0.20	LSup	1.83	2.05	0.90	LSup	0.73	-0.17	
3	RSup	-0.81	6.04	0.13	RSup	2.24	2.77	0.81	RSup	0.69	-0.08	
3	LSup	0.94	6.04	0.15	LSup	2.24	2.79	0.80	LSup	0.69	-0.33	

## UNBRACED LENGTH:

Bay Id	Major (ft)	-----Minor(ft)-----					-----Mom1/Mom2-----					-----Cb-----				
		LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup
1	13.8	10.9	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	3.7	3.7	1.0	2.2	1.0	0.00	0.00	1.00	0.00	0.62	1.84	1.84	1.00	1.79	1.19
3	14.0	1.0	2.0	1.0	1.0	3.0	0.60	0.00	1.00	1.00	0.00	1.20	1.77	1.00	1.00	1.80
4	14.0	3.0	1.0	1.0	2.0	1.0	0.00	1.00	1.00	0.00	0.60	1.80	1.00	1.00	1.77	1.20
5	14.0	1.0	2.2	1.0	3.7	3.7	0.62	0.00	1.00	0.00	0.00	1.19	1.79	1.00	1.84	1.84
6	13.8	2.9	1.0	1.0	1.0	10.9	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	Mid-Span Loc	Right Lap	Right Sup
1	0.43			-0.66	0.00		-1.17	5.43		1.58
1	0.58		-0.46	-0.54	1.58		-0.50	7.25	0.81	1.31
2	0.56	0.48		-0.56	1.31	0.79	-0.65	7.01		1.30
2	0.56		-0.48	-0.56	1.30		-0.65	6.99	0.79	1.31
3	0.54	0.46		-0.58	1.31	0.81	-0.50	6.75		1.58
3	0.66			-0.43	1.58		-1.17	8.32		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	-0.66	6.04	0.11	RSup	1.58	2.79	0.57	RSup	0.49	-0.23	
1	LSup	0.58	6.04	0.10	LSup	1.58	2.77	0.57	LSup	0.49	-0.06	
2	RSup	-0.56	3.86	0.14	RSup	1.30	2.05	0.63	RSup	0.51	-0.12	
2	LSup	0.56	3.86	0.14	LSup	1.30	2.05	0.63	LSup	0.51	-0.12	
3	RSup	-0.58	6.04	0.10	RSup	1.58	2.77	0.57	RSup	0.49	-0.06	
3	LSup	0.66	6.04	0.11	LSup	1.58	2.79	0.57	LSup	0.49	-0.23	

UNBRACED LENGTH:

Bay Id	Major (ft)	-----Minor(ft)-----					-----Mom1/Mom2-----					-----Cb-----				
		LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup
1	13.8	10.9	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	3.7	3.7	1.0	2.2	1.0	0.00	0.00	1.00	0.00	0.62	1.84	1.84	1.00	1.79	1.19
3	14.0	1.0	2.0	1.0	1.0	3.0	0.60	0.00	1.00	1.00	0.00	1.20	1.77	1.00	1.00	1.80
4	14.0	3.0	1.0	1.0	2.0	1.0	0.00	1.00	1.00	0.00	0.60	1.80	1.00	1.00	1.77	1.20
5	14.0	1.0	2.2	1.0	3.7	3.7	0.62	0.00	1.00	0.00	0.00	1.19	1.79	1.00	1.84	1.84
6	13.8	2.9	1.0	1.0	1.0	10.9	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	Mid-Span Loc	Right Lap	Right Sup
1	0.43			-0.66	0.00		-1.17	5.43		1.58
1	0.58		-0.46	-0.54	1.58		-0.50	7.25	0.81	1.31
2	0.56	0.48		-0.56	1.31	0.79	-0.65	7.01		1.30
2	0.56		-0.48	-0.56	1.30		-0.65	6.99	0.79	1.31
3	0.54	0.46		-0.58	1.31	0.81	-0.50	6.75		1.58
3	0.66			-0.43	1.58		-1.17	8.32		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	-0.66	6.04	0.11	RSup	1.58	2.79	0.57	RSup	0.49	-0.23	
1	LSup	0.58	6.04	0.10	LSup	1.58	2.77	0.57	LSup	0.49	-0.06	
2	RSup	-0.56	3.86	0.14	RSup	1.30	2.05	0.63	RSup	0.51	-0.12	
2	LSup	0.56	3.86	0.14	LSup	1.30	2.05	0.63	LSup	0.51	-0.12	
3	RSup	-0.58	6.04	0.10	RSup	1.58	2.77	0.57	RSup	0.49	-0.06	
3	LSup	0.66	6.04	0.11	LSup	1.58	2.79	0.57	LSup	0.49	-0.23	

UNBRACED LENGTH:

Bay Id	Major (ft)	-----Minor(ft)-----					-----Mom1/Mom2-----					-----Cb-----				
		LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup
1	13.8	10.9	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	3.7	3.7	1.0	2.2	1.0	0.00	0.00	1.00	0.00	0.62	1.84	1.84	1.00	1.79	1.19

3	14.0	1.0	2.0	1.0	1.0	3.0	0.60	0.00	1.00	1.00	0.00	1.20	1.77	1.00	1.00	1.80
4	14.0	3.0	1.0	1.0	2.0	1.0	0.00	1.00	1.00	0.00	0.60	1.80	1.00	1.00	1.77	1.20
5	14.0	1.0	2.2	1.0	3.7	3.7	0.62	0.00	1.00	0.00	0.00	1.19	1.79	1.00	1.84	1.84
6	13.8	2.9	1.0	1.0	1.0	10.9	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	Mid-Span Loc	Right Lap	Right Sup
1	0.67			-1.03	0.00		-1.82	5.43		2.46
1	0.90		-0.71	-0.83	2.46		-0.78	7.25	1.26	2.03
2	0.87	0.74		-0.86	2.03	1.23	-1.00	7.01		2.01
2	0.86		-0.74	-0.87	2.01		-1.00	6.99	1.23	2.03
3	0.83	0.71		-0.90	2.03	1.26	-0.78	6.75		2.46
3	1.03			-0.67	2.46		-1.82	8.32		0.00

STRENGTH/DEFLECTION:

Bay Id	Loc	Shear(k )			UC	Moment (f-k )				Mom+Shear		Deflect (in)	
		Calc	Limit	UC		Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
1	RSup	-1.03	6.04	0.17	RSup	2.46	2.79	0.88	RSup	0.76	-0.36		
1	LSup	0.90	6.04	0.15	LSup	2.46	2.77	0.89	LSup	0.75	-0.09		
2	RSup	-0.86	3.86	0.22	RSup	2.01	2.05	0.98	RSup	0.80	-0.19		
2	LSup	0.86	3.86	0.22	LSup	2.01	2.05	0.98	LSup	0.80	-0.19		
3	RSup	-0.90	6.04	0.15	RSup	2.46	2.77	0.89	RSup	0.75	-0.09		
3	LSup	1.03	6.04	0.17	LSup	2.46	2.79	0.88	LSup	0.76	-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	13.8	10.9	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	3.7	3.7	1.0	2.2	1.0	0.00	0.00	1.00	0.00	0.62	1.84	1.84	1.00	1.79	1.19
3	14.0	1.0	2.0	1.0	1.0	3.0	0.60	0.00	1.00	1.00	0.00	1.20	1.77	1.00	1.00	1.80
4	14.0	3.0	1.0	1.0	2.0	1.0	0.00	1.00	1.00	0.00	0.60	1.80	1.00	1.00	1.77	1.20
5	14.0	1.0	2.2	1.0	3.7	3.7	0.62	0.00	1.00	0.00	0.00	1.19	1.79	1.00	1.84	1.84
6	13.8	2.9	1.0	1.0	1.0	10.9	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 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	0.54			-0.82	0.00		-1.45	5.43		1.97
1	0.72		-0.57	-0.67	1.97		-0.63	7.25	1.01	1.62
2	0.69	0.59		-0.69	1.62	0.98	-0.80	7.01		1.61
2	0.69		-0.59	-0.69	1.61		-0.80	6.99	0.98	1.62
3	0.67	0.57		-0.72	1.62	1.01	-0.63	6.75		1.97
3	0.82			-0.54	1.97		-1.45	8.32		0.00

STRENGTH/DEFLECTION:

Bay Id	Loc	Shear(k )			UC	Moment (f-k )				Mom+Shear		Deflect (in)	
		Calc	Limit	UC		Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
1	RSup	-0.82	6.04	0.14	RSup	1.97	2.79	0.71	RSup	0.61	-0.29		
1	LSup	0.72	6.04	0.12	LSup	1.97	2.77	0.71	LSup	0.60	-0.07		
2	RSup	-0.69	3.86	0.18	RSup	1.61	2.05	0.79	RSup	0.64	-0.15		
2	LSup	0.69	3.86	0.18	LSup	1.61	2.05	0.79	LSup	0.64	-0.15		

3	RSup	-0.72	6.04	0.12	RSup	1.97	2.77	0.71	RSup	0.60	-0.07
3	LSup	0.82	6.04	0.14	LSup	1.97	2.79	0.71	LSup	0.61	-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	13.8	10.9	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	3.7	3.7	1.0	2.2	1.0	0.00	0.00	1.00	0.00	0.62	1.84	1.84	1.00	1.79	1.19
3	14.0	1.0	2.0	1.0	1.0	3.0	0.60	0.00	1.00	1.00	0.00	1.20	1.77	1.00	1.00	1.80
4	14.0	3.0	1.0	1.0	2.0	1.0	0.00	1.00	1.00	0.00	0.60	1.80	1.00	1.00	1.77	1.20
5	14.0	1.0	2.2	1.0	3.7	3.7	0.62	0.00	1.00	0.00	0.00	1.19	1.79	1.00	1.84	1.84
6	13.8	2.9	1.0	1.0	1.0	10.9	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 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	0.54			-0.82	0.00		-1.45	5.43		1.97
1	0.72		-0.57	-0.67	1.97		-0.63	7.25	1.01	1.62
2	0.69	0.59		-0.69	1.62	0.98	-0.80	7.01		1.61
2	0.69		-0.59	-0.69	1.61		-0.80	6.99	0.98	1.62
3	0.67	0.57		-0.72	1.62	1.01	-0.63	6.75		1.97
3	0.82			-0.54	1.97		-1.45	8.32		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
1	RSup	-0.82	6.04	0.14	RSup	1.97	2.79	0.71	RSup	0.61	-0.29
1	LSup	0.72	6.04	0.12	LSup	1.97	2.77	0.71	LSup	0.60	-0.07
2	RSup	-0.69	3.86	0.18	RSup	1.61	2.05	0.79	RSup	0.64	-0.15
2	LSup	0.69	3.86	0.18	LSup	1.61	2.05	0.79	LSup	0.64	-0.15
3	RSup	-0.72	6.04	0.12	RSup	1.97	2.77	0.71	RSup	0.60	-0.07
3	LSup	0.82	6.04	0.14	LSup	1.97	2.79	0.71	LSup	0.61	-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	13.8	10.9	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	3.7	3.7	1.0	2.2	1.0	0.00	0.00	1.00	0.00	0.62	1.84	1.84	1.00	1.79	1.19
3	14.0	1.0	2.0	1.0	1.0	3.0	0.60	0.00	1.00	1.00	0.00	1.20	1.77	1.00	1.00	1.80
4	14.0	3.0	1.0	1.0	2.0	1.0	0.00	1.00	1.00	0.00	0.60	1.80	1.00	1.00	1.77	1.20
5	14.0	1.0	2.2	1.0	3.7	3.7	0.62	0.00	1.00	0.00	0.00	1.19	1.79	1.00	1.84	1.84
6	13.8	2.9	1.0	1.0	1.0	10.9	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	Mid-Span Loc	Right Lap	Right Sup
1	-0.53			0.70	0.00		1.44	5.94		-1.66
1	-0.54		0.39	0.46	-1.66		0.38	7.55	-0.68	-1.11
2	-0.49	-0.42		0.51	-1.11	-0.65	0.60	6.91		-1.20
2	-0.51		0.42	0.49	-1.20		0.60	7.09	-0.65	-1.11
3	-0.46	-0.39		0.54	-1.11	-0.68	0.38	6.45		-1.66
3	-0.70			0.53	-1.66		1.44	7.81		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	0.70	6.04	0.12	RSup	-1.66	2.63	0.63	RSup	0.51	0.30	
1	LSup	-0.54	6.04	0.09	LSup	-1.66	2.63	0.63	LSup	0.51	0.02	
2	RSup	0.51	3.86	0.13	RSup	-1.20	1.93	0.62	RSup	0.47	0.12	
2	LSup	-0.51	3.86	0.13	LSup	-1.20	1.93	0.62	LSup	0.47	0.12	
3	RSup	0.54	6.04	0.09	RSup	-1.66	2.63	0.63	RSup	0.51	0.02	
3	LSup	-0.70	6.04	0.12	LSup	-1.66	2.63	0.63	LSup	0.51	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	13.8	10.9	10.9	10.9	10.9	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	6.0	1.0	1.0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.11	1.00	1.00
3	14.0	1.0	1.0	7.7	7.7	1.0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.12	1.12	1.00
4	14.0	1.0	7.7	7.7	1.0	1.0	1.00	1.00	1.00	1.00	1.00	1.00	1.12	1.12	1.00	1.00
5	14.0	1.0	1.0	6.0	1.0	1.0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.11	1.00	1.00
6	13.8	1.0	10.9	10.9	10.9	10.9	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	0.50			-0.77	0.00		-1.36	5.43		1.84
1	0.67		-0.53	-0.62	1.84		-0.59	7.25	0.94	1.52
2	0.65	0.56		-0.65	1.52	0.92	-0.75	7.01		1.51
2	0.65		-0.56	-0.65	1.51		-0.75	6.99	0.92	1.52
3	0.62	0.53		-0.67	1.52	0.94	-0.59	6.75		1.84
3	0.77			-0.50	1.84		-1.36	8.32		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	-0.77	6.04	0.13	RSup	1.84	2.79	0.66	RSup	0.57	-0.27	
1	LSup	0.67	6.04	0.11	LSup	1.84	2.77	0.67	LSup	0.56	-0.07	
2	RSup	-0.65	3.86	0.17	RSup	1.51	2.05	0.74	RSup	0.60	-0.14	
2	LSup	0.65	3.86	0.17	LSup	1.51	2.05	0.74	LSup	0.60	-0.14	
3	RSup	-0.67	6.04	0.11	RSup	1.84	2.77	0.67	RSup	0.56	-0.07	
3	LSup	0.77	6.04	0.13	LSup	1.84	2.79	0.66	LSup	0.57	-0.27	

UNBRACED LENGTH:

Bay Id	Major (ft)	Minor (ft)					Mom1/Mom2					Cb				
		LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup
1	13.8	10.7	1.0	1.0	1.0	3.0	1.00	1.00	1.00	1.00	-0.03	1.13	1.00	1.00	1.00	1.82
2	14.0	3.9	3.9	1.0	2.3	1.0	-0.03	-0.03	1.00	-0.04	0.62	1.91	1.91	1.00	1.85	1.19
3	14.0	1.0	2.1	1.0	1.0	3.1	0.60	-0.03	1.00	1.00	-0.04	1.20	1.82	1.00	1.00	1.87
4	14.0	3.1	1.0	1.0	2.1	1.0	-0.04	1.00	1.00	-0.03	0.60	1.87	1.00	1.00	1.82	1.20
5	14.0	1.0	2.3	1.0	3.9	3.9	0.62	-0.04	1.00	-0.03	-0.03	1.19	1.85	1.00	1.91	1.91
6	13.8	3.0	1.0	1.0	1.0	10.7	-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:

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

Bay Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	Mid-Span Mom	Mid-Span Loc	Right Lap	Right Sup
1	0.59			-0.90	0.00		-1.60	5.43		2.16
1	0.79		-0.62	-0.73	2.16		-0.69	7.25	1.11	1.78
2	0.76	0.65		-0.76	1.78	1.08	-0.88	7.01		1.77
2	0.76		-0.65	-0.76	1.77		-0.88	6.99	1.08	1.78
3	0.73	0.62		-0.79	1.78	1.11	-0.69	6.75		2.16
3	0.90			-0.59	2.16		-1.60	8.32		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	-0.90	6.04	0.15	RSup	2.16	2.79	0.77	RSup	0.67	-0.32	
1	LSup	0.79	6.04	0.13	LSup	2.16	2.77	0.78	LSup	0.66	-0.08	
2	RSup	-0.76	3.86	0.20	RSup	1.77	2.05	0.86	RSup	0.70	-0.17	
2	LSup	0.76	3.86	0.20	LSup	1.77	2.05	0.86	LSup	0.70	-0.17	
3	RSup	-0.79	6.04	0.13	RSup	2.16	2.77	0.78	RSup	0.66	-0.08	
3	LSup	0.90	6.04	0.15	LSup	2.16	2.79	0.77	LSup	0.67	-0.32	

UNBRACED LENGTH:

Bay Id	Major (ft)	Minor (ft)					Mom1/Mom2					Cb				
		LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup
1	13.8	10.7	1.0	1.0	1.0	3.0	1.00	1.00	1.00	1.00	-0.03	1.13	1.00	1.00	1.00	1.82
2	14.0	3.9	3.9	1.0	2.3	1.0	-0.03	-0.03	1.00	-0.04	0.62	1.91	1.91	1.00	1.85	1.19
3	14.0	1.0	2.1	1.0	1.0	3.1	0.60	-0.03	1.00	1.00	-0.04	1.20	1.82	1.00	1.00	1.87
4	14.0	3.1	1.0	1.0	2.1	1.0	-0.04	1.00	1.00	-0.03	0.60	1.87	1.00	1.00	1.82	1.20
5	14.0	1.0	2.3	1.0	3.9	3.9	0.62	-0.04	1.00	-0.03	-0.03	1.19	1.85	1.00	1.91	1.91
6	13.8	3.0	1.0	1.0	1.0	10.7	-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	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	Mid-Span Mom	Mid-Span Loc	Right Lap	Right Sup
1	0.43			-0.67	0.00		-1.14	5.35		1.67
1	0.60		-0.43	-0.51	1.67		-0.64	7.61	0.52	0.99
2	0.34	0.30		-0.30	0.99	0.67	-0.29	7.47		0.69
2	0.32		-0.28	-0.33	0.69		-0.40	6.86	0.47	0.78
3	0.31	0.27		-0.33	0.78	0.49	-0.28	6.79		0.91
3	0.38			-0.25	0.91		-0.68	8.32		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	-0.67	6.04	0.11	RSup	1.67	2.79	0.60	RSup	0.51	-0.22	
1	LSup	0.60	6.04	0.10	LSup	1.67	2.77	0.60	LSup	0.51	-0.09	
2	RSup	-0.30	3.86	0.08	RSup	0.69	2.05	0.34	RSup	0.27	-0.04	
2	LSup	0.32	3.86	0.08	LSup	0.69	2.06	0.33	LSup	0.27	-0.08	
3	RSup	-0.33	6.04	0.05	RSup	0.91	2.77	0.33	RSup	0.28	-0.03	
3	LSup	0.38	6.04	0.06	LSup	0.91	2.79	0.33	LSup	0.28	-0.14	

UNBRACED LENGTH:

Bay Id	Major (ft)	Minor (ft)					Mom1/Mom2					Cb				
		LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup
1	13.8	10.6	1.0	1.0	1.0	3.1	1.00	1.00	1.00	1.00	-0.02	1.13	1.00	1.00	1.00	1.81
2	14.0	3.7	3.7	1.0	1.6	1.0	-0.02	-0.02	1.00	-0.13	0.53	1.87	1.87	1.00	1.95	1.24
3	14.0	1.0	2.9	1.0	1.0	3.0	0.68	0.00	1.00	1.00	0.00	1.15	1.82	1.00	1.00	1.82



4	14.0	2.7	1.0	1.0	2.0	1.0	0.00	1.00	1.00	0.00	0.61	1.79	1.00	1.00	1.76	1.19
5	14.0	1.0	2.3	1.0	3.7	3.7	0.63	0.00	1.00	0.00	0.00	1.18	1.79	1.00	1.85	1.85
6	13.8	2.9	1.0	1.0	1.0	10.9	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	0.23			-0.40	0.00		-0.59	5.07		1.14
1	0.53		-0.50	-0.58	1.14		-0.63	6.68	0.96	1.50
2	0.59	0.51		-0.52	1.50	0.95	-0.71	7.46		0.99
2	0.34		-0.25	-0.30	0.99		-0.29	7.49	0.40	0.68
3	0.30	0.26		-0.34	0.68	0.40	-0.32	6.60		0.94
3	0.38			-0.25	0.94		-0.67	8.35		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	-0.40	6.04	0.07	RSup	1.14	2.77	0.41	RSup	0.35	-0.10	
1	LSup	0.53	6.04	0.09	LSup	1.14	2.80	0.41	LSup	0.35	-0.10	
2	RSup	-0.52	3.86	0.13	RSup	0.99	2.07	0.48	RSup	0.40	-0.14	
2	LSup	0.34	3.86	0.09	LSup	0.99	2.03	0.49	LSup	0.39	-0.04	
3	RSup	-0.34	6.04	0.06	RSup	0.94	2.77	0.34	RSup	0.29	-0.04	
3	LSup	0.38	6.04	0.06	LSup	0.94	2.79	0.34	LSup	0.29	-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	13.8	10.1	1.0	1.0	3.6	3.6	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	2.5	1.0	-0.06	1.00	1.00	-0.04	0.64	1.90	1.00	1.00	1.84	1.17
3	14.0	1.0	2.3	1.0	1.0	2.6	0.63	-0.04	1.00	1.00	-0.09	1.18	1.83	1.00	1.00	1.94
4	14.0	3.9	3.9	1.0	1.9	1.0	0.00	0.00	1.00	0.00	0.59	1.85	1.85	1.00	1.77	1.20
5	14.0	1.0	1.9	1.0	3.7	3.7	0.59	0.00	1.00	0.00	0.00	1.21	1.77	1.00	1.84	1.84
6	13.8	3.0	1.0	1.0	1.0	10.8	0.00	1.00	1.00	1.00	1.00	1.77	1.00	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	0.25			-0.38	0.00		-0.71	5.54		0.84
1	0.31		-0.29	-0.34	0.84		-0.18	6.67	0.74	1.05
2	0.53	0.45		-0.58	1.05	0.56	-0.71	6.67		1.42
2	0.58		-0.45	-0.53	1.42		-0.71	7.33	0.56	1.05
3	0.34	0.29		-0.31	1.05	0.74	-0.18	7.33		0.84
3	0.38			-0.25	0.84		-0.71	8.21		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	-0.38	6.04	0.06	RSup	0.84	2.80	0.30	RSup	0.26	-0.15	
1	LSup	0.31	6.04	0.05	LSup	0.84	2.76	0.30	LSup	0.26	0.00	
2	RSup	-0.58	3.86	0.15	RSup	1.42	2.04	0.70	RSup	0.56	-0.15	
2	LSup	0.58	3.86	0.15	LSup	1.42	2.04	0.70	LSup	0.56	-0.15	
3	RSup	-0.31	6.04	0.05	RSup	0.84	2.76	0.30	RSup	0.26	0.00	

3 LSup 0.38 6.04 0.06 LSup 0.84 2.80 0.30 LSup 0.26 -0.15

UNBRACED LENGTH:

Bay Id	Major (ft)	-----Minor (ft)-----					-----Mom1/Mom2-----					-----Cb-----				
		LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup
1	13.8	11.1	1.0	1.0	1.0	2.7	1.00	1.00	1.00	1.00	0.00	1.14	1.00	1.00	1.00	1.76
2	14.0	3.9	3.9	1.0	3.5	1.0	0.00	0.00	1.00	0.00	0.70	1.88	1.88	1.00	1.87	1.14
3	14.0	1.0	1.7	1.0	1.0	3.2	0.53	-0.13	1.00	1.00	-0.03	1.24	1.94	1.00	1.00	1.85
4	14.0	3.2	1.0	1.0	1.7	1.0	-0.03	1.00	1.00	-0.13	0.53	1.85	1.00	1.00	1.94	1.24
5	14.0	1.0	3.5	1.0	3.9	3.9	0.70	0.00	1.00	0.00	0.00	1.14	1.87	1.00	1.88	1.88
6	13.8	2.7	1.0	1.0	1.0	11.1	0.00	1.00	1.00	1.00	1.00	1.76	1.00	1.00	1.00	1.14

LOAD ID 13 : Dead+Collateral+Snow/2+PAT\_SL\_6

REACTIONS:

Bay Id	-----Shear (k )-----				-----Moment (f-k )-----					
	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	Mid-Span Mom	Mid-Span Loc	Right Lap	Right Sup
1	0.25			-0.38	0.00		-0.67	5.40		0.94
1	0.34		-0.26	-0.30	0.94		-0.32	7.40	0.40	0.68
2	0.30	0.25		-0.34	0.68	0.40	-0.29	6.51		0.99
2	0.52		-0.51	-0.59	0.99		-0.71	6.54	0.95	1.50
3	0.58	0.50		-0.53	1.50	0.96	-0.63	7.32		1.14
3	0.40			-0.23	1.14		-0.59	8.68		0.00

STRENGTH/DEFLECTION:

Bay Id	-----Shear (k )-----				-----Moment (f-k )-----				Mom+Shear Loc UC	Deflect (in)	
	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC		Calc	Limit
1	RSup	-0.38	6.04	0.06	RSup	0.94	2.79	0.34	RSup	0.29	-0.13
1	LSup	0.34	6.04	0.06	LSup	0.94	2.77	0.34	LSup	0.29	-0.04
2	RSup	-0.34	3.86	0.09	RSup	0.99	2.03	0.49	RSup	0.39	-0.04
2	LSup	0.52	3.86	0.13	LSup	0.99	2.07	0.48	LSup	0.40	-0.14
3	RSup	-0.53	6.04	0.09	RSup	1.14	2.80	0.41	RSup	0.35	-0.10
3	LSup	0.40	6.04	0.07	LSup	1.14	2.77	0.41	LSup	0.35	-0.10

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	13.8	10.8	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	1.21
3	14.0	1.0	1.9	1.0	3.9	3.9	0.59	0.00	1.00	0.00	0.00	1.20	1.77	1.00	1.85	1.85
4	14.0	2.6	1.0	1.0	2.3	1.0	-0.09	1.00	1.00	-0.04	0.63	1.94	1.00	1.00	1.83	1.18
5	14.0	1.0	2.5	1.0	1.0	2.9	0.64	-0.04	1.00	1.00	-0.06	1.17	1.84	1.00	1.00	1.90
6	13.8	3.6	3.6	1.0	1.0	10.1	0.00	0.00	1.00	1.00	1.00	1.80	1.80	1.00	1.00	1.14

LOAD ID 14 : Dead+Collateral+Snow/2+PAT\_SL\_7

REACTIONS:

Bay Id	-----Shear (k )-----				-----Moment (f-k )-----					
	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	Mid-Span Mom	Mid-Span Loc	Right Lap	Right Sup
1	0.25			-0.38	0.00		-0.68	5.43		0.91
1	0.33		-0.27	-0.31	0.91		-0.28	7.21	0.49	0.78
2	0.33	0.28		-0.32	0.78	0.47	-0.40	7.14		0.69
2	0.30		-0.30	-0.34	0.69		-0.29	6.53	0.67	0.99
3	0.51	0.43		-0.60	0.99	0.52	-0.64	6.39		1.67
3	0.67			-0.43	1.67		-1.14	8.40		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	-0.38	6.04	0.06	RSup	0.91	2.79	0.33	RSup	0.28	-0.14	
1	LSup	0.33	6.04	0.05	LSup	0.91	2.77	0.33	LSup	0.28	-0.03	
2	RSup	-0.32	3.86	0.08	RSup	0.69	2.06	0.33	RSup	0.27	-0.08	
2	LSup	0.30	3.86	0.08	LSup	0.69	2.05	0.34	LSup	0.27	-0.04	
3	RSup	-0.60	6.04	0.10	RSup	1.67	2.77	0.60	RSup	0.51	-0.09	
3	LSup	0.67	6.04	0.11	LSup	1.67	2.79	0.60	LSup	0.51	-0.22	

UNBRACED LENGTH:

Bay Id	Major (ft)	Minor (ft)					Mom1/Mom2					Cb				
		LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup
1	13.8	10.9	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	3.7	3.7	1.0	2.3	1.0	0.00	0.00	1.00	0.00	0.63	1.85	1.85	1.00	1.79	1.18
3	14.0	1.0	2.0	1.0	1.0	2.7	0.61	0.00	1.00	1.00	0.00	1.19	1.76	1.00	1.00	1.79
4	14.0	3.0	1.0	1.0	2.9	1.0	0.00	1.00	1.00	0.00	0.68	1.82	1.00	1.00	1.82	1.15
5	14.0	1.0	1.6	1.0	3.7	3.7	0.53	-0.13	1.00	-0.02	-0.02	1.24	1.95	1.00	1.87	1.87
6	13.8	3.1	1.0	1.0	1.0	10.6	-0.02	1.00	1.00	1.00	1.00	1.81	1.00	1.00	1.00	1.13

LOAD ID 15 : Dead+Collateral+Snow/2+PAT\_SL\_1

REACTIONS:

Bay Id	Shear(k )				Moment (f-k )					
	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	Mid-Span Mom	Mid-Span Loc	Right Lap	Right Sup
1	0.45			-0.64	0.00		-1.27	5.65		1.34
1	0.37		-0.23	-0.27	1.34		-0.16	8.08	0.40	0.64
2	0.31	0.27		-0.33	0.64	0.36	-0.42	6.79		0.78
2	0.32		-0.27	-0.32	0.78		-0.36	7.05	0.45	0.75
3	0.31	0.26		-0.33	0.75	0.46	-0.30	6.73		0.92
3	0.38			-0.25	0.92		-0.68	8.33		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	-0.64	6.04	0.11	MidS	-1.27	2.63	0.48	RSup	0.42	-0.27	
1	LSup	0.37	6.04	0.06	LSup	1.34	2.74	0.49	LSup	0.41	0.02	
2	RSup	-0.33	3.86	0.09	RSup	0.78	2.05	0.38	RSup	0.31	-0.09	
2	LSup	0.32	3.86	0.08	LSup	0.78	2.04	0.38	LSup	0.31	-0.07	
3	RSup	-0.33	6.04	0.06	RSup	0.92	2.77	0.33	RSup	0.28	-0.03	
3	LSup	0.38	6.04	0.06	LSup	0.92	2.79	0.33	LSup	0.28	-0.14	

UNBRACED LENGTH:

Bay Id	Major (ft)	Minor (ft)					Mom1/Mom2					Cb				
		LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup	LSup	LLap	MidS	RLap	RSup
1	13.8	11.1	1.0	1.0	1.0	2.6	1.00	1.00	1.00	1.00	-0.06	1.13	1.00	1.00	1.00	1.85
2	14.0	5.4	5.4	1.0	2.3	1.0	0.00	0.00	1.00	0.00	0.61	1.95	1.95	1.00	1.82	1.19
3	14.0	1.0	1.5	1.0	1.0	3.0	0.55	0.00	1.00	1.00	0.00	1.23	1.74	1.00	1.00	1.80
4	14.0	3.1	1.0	1.0	2.0	1.0	0.00	1.00	1.00	0.00	0.60	1.81	1.00	1.00	1.77	1.20
5	14.0	1.0	2.1	1.0	3.7	3.7	0.62	0.00	1.00	0.00	0.00	1.19	1.78	1.00	1.84	1.84
6	13.8	2.9	1.0	1.0	1.0	10.8	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/2+PAT\_SL\_2

REACTIONS:

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

Id	Sup	Lap	Lap	Sup	Sup	Lap	Mom	Loc	Lap	Sup
1	0.25			-0.38	0.00		-0.68	5.42		0.92
1	0.33		-0.26	-0.31	0.92		-0.30	7.27	0.46	0.75
2	0.32	0.27		-0.32	0.75	0.45	-0.36	6.95		0.78
2	0.33		-0.27	-0.31	0.78		-0.42	7.21	0.36	0.64
3	0.27	0.23		-0.37	0.64	0.40	-0.16	5.92		1.34
3	0.64			-0.45	1.34		-1.27	8.10		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	-0.38	6.04	0.06	RSup	0.92	2.79	0.33	RSup	0.28	-0.14	
1	LSup	0.33	6.04	0.06	LSup	0.92	2.77	0.33	LSup	0.28	-0.03	
2	RSup	-0.32	3.86	0.08	RSup	0.78	2.04	0.38	RSup	0.31	-0.07	
2	LSup	0.33	3.86	0.09	LSup	0.78	2.05	0.38	LSup	0.31	-0.09	
3	RSup	-0.37	6.04	0.06	RSup	1.34	2.74	0.49	RSup	0.41	0.02	
3	LSup	0.64	6.04	0.11	MidS	-1.27	2.63	0.48	LSup	0.42	-0.27	

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	13.8	10.8	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	3.7	3.7	1.0	2.1	1.0	0.00	0.00	1.00	0.00	0.62	1.84	1.84	1.00	1.78	1.19
3	14.0	1.0	2.0	1.0	1.0	3.1	0.60	0.00	1.00	1.00	0.00	1.20	1.77	1.00	1.00	1.81
4	14.0	3.0	1.0	1.0	1.5	1.0	0.00	1.00	1.00	0.00	0.55	1.80	1.00	1.00	1.74	1.23
5	14.0	1.0	2.3	1.0	5.4	5.4	0.61	0.00	1.00	0.00	0.00	1.19	1.82	1.00	1.95	1.95
6	13.8	2.6	1.0	1.0	1.0	11.1	-0.06	1.00	1.00	1.00	1.00	1.85	1.00	1.00	1.00	1.13

LOAD ID 17 : Dead+Collateral+Snow-PAT\_SL\_1

REACTIONS:

Bay	-----Shear(k )-----				-----Moment(f-k )-----						
Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	Mid-Span Mom	Right Lap	Right Sup		
1	0.23			-0.40	0.00		-0.58	5.03	1.16		
1	0.54		-0.49	-0.57	1.16		-0.66	6.77	0.88		
2	0.57	0.49		-0.55	1.42	0.89	-0.61	7.14	1.27		
2	0.55		-0.48	-0.56	1.27		-0.66	6.96	0.80		
3	0.54	0.46		-0.58	1.32	0.82	-0.50	6.76	1.58		
3	0.66			-0.43	1.58		-1.17	8.32	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	-0.40	6.04	0.07	RSup	1.16	2.77	0.42	RSup	0.36	-0.10	
1	LSup	0.54	6.04	0.09	LSup	1.16	2.80	0.42	LSup	0.36	-0.11	
2	RSup	-0.55	3.86	0.14	RSup	1.27	2.05	0.62	RSup	0.50	-0.11	
2	LSup	0.55	3.86	0.14	LSup	1.27	2.05	0.62	LSup	0.50	-0.13	
3	RSup	-0.58	6.04	0.10	RSup	1.58	2.77	0.57	RSup	0.48	-0.06	
3	LSup	0.66	6.04	0.11	LSup	1.58	2.79	0.57	LSup	0.49	-0.24	

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	13.8	9.8	1.0	1.0	3.9	3.9	1.00	1.00	1.00	-0.05	-0.05	1.13	1.00	1.00	1.89	1.89
2	14.0	2.7	1.0	1.0	2.2	1.0	0.00	1.00	1.00	0.00	0.62	1.79	1.00	1.00	1.77	1.18
3	14.0	1.0	2.2	1.0	1.0	3.0	0.63	0.00	1.00	1.00	0.00	1.18	1.78	1.00	1.00	1.81
4	14.0	2.9	1.0	1.0	2.0	1.0	0.00	1.00	1.00	0.00	0.60	1.80	1.00	1.00	1.76	1.20

5	14.0	1.0	2.2	1.0	3.7	3.7	0.62	0.00	1.00	0.00	0.00	1.19	1.79	1.00	1.85	1.85
6	13.8	2.9	1.0	1.0	1.0	10.9	0.00	1.00	1.00	1.00	1.00	1.77	1.00	1.00	1.00	1.14

LOAD ID 18 : Dead+Collateral+Snow-PAT\_SL\_2

REACTIONS:

Bay Id	-----Shear(k )-----				-----Moment (f-k )-----					
	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	Mid-Span Mom	Mid-Span Loc	Right Lap	Right Sup
1	0.43			-0.66	0.00		-1.17	5.43		1.58
1	0.58		-0.46	-0.54	1.58		-0.50	7.24	0.82	1.32
2	0.56	0.48		-0.55	1.32	0.80	-0.66	7.04		1.27
2	0.55		-0.49	-0.57	1.27		-0.61	6.86	0.89	1.42
3	0.57	0.49		-0.54	1.42	0.88	-0.66	7.23		1.16
3	0.40			-0.23	1.16		-0.58	8.72		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	-0.66	6.04	0.11	RSup	1.58	2.79	0.57	RSup	0.49	-0.24	
1	LSup	0.58	6.04	0.10	LSup	1.58	2.77	0.57	LSup	0.48	-0.06	
2	RSup	-0.55	3.86	0.14	RSup	1.27	2.05	0.62	RSup	0.50	-0.13	
2	LSup	0.55	3.86	0.14	LSup	1.27	2.05	0.62	LSup	0.50	-0.11	
3	RSup	-0.54	6.04	0.09	RSup	1.16	2.80	0.42	RSup	0.36	-0.11	
3	LSup	0.40	6.04	0.07	LSup	1.16	2.77	0.42	LSup	0.36	-0.10	

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	13.8	10.9	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	3.7	3.7	1.0	2.2	1.0	0.00	0.00	1.00	0.00	0.62	1.85	1.85	1.00	1.79	1.19
3	14.0	1.0	2.0	1.0	1.0	2.9	0.60	0.00	1.00	1.00	0.00	1.20	1.76	1.00	1.00	1.80
4	14.0	3.0	1.0	1.0	2.2	1.0	0.00	1.00	1.00	0.00	0.63	1.81	1.00	1.00	1.78	1.18
5	14.0	1.0	2.2	1.0	1.0	2.7	0.62	0.00	1.00	1.00	0.00	1.18	1.77	1.00	1.00	1.79
6	13.8	3.9	3.9	1.0	1.0	9.8	-0.05	-0.05	1.00	1.00	1.00	1.89	1.89	1.00	1.00	1.13

LOAD ID 19 : 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	Mid-Span Loc	Right Lap	Right Sup
1	0.57			-0.87	0.00		-1.54	5.43		2.08
1	0.76		-0.60	-0.71	2.08		-0.66	7.25	1.06	1.72
2	0.73	0.63		-0.73	1.72	1.04	-0.85	7.01		1.70
2	0.73		-0.63	-0.73	1.70		-0.85	6.99	1.04	1.72
3	0.71	0.60		-0.76	1.72	1.06	-0.66	6.75		2.08
3	0.87			-0.57	2.08		-1.54	8.32		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	-0.87	6.04	0.14	RSup	2.08	2.79	0.75	RSup	0.64	-0.31	
1	LSup	0.76	6.04	0.13	LSup	2.08	2.77	0.75	LSup	0.64	-0.07	
2	RSup	-0.73	3.86	0.19	RSup	1.70	2.05	0.83	RSup	0.67	-0.16	
2	LSup	0.73	3.86	0.19	LSup	1.70	2.05	0.83	LSup	0.67	-0.16	
3	RSup	-0.76	6.04	0.13	RSup	2.08	2.77	0.75	RSup	0.64	-0.07	
3	LSup	0.87	6.04	0.14	LSup	2.08	2.79	0.75	LSup	0.64	-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	13.8	10.7	1.0	1.0	1.0	3.0	1.00	1.00	1.00	1.00	-0.03	1.13	1.00	1.00	1.00	1.82
2	14.0	3.9	3.9	1.0	2.3	1.0	-0.03	-0.03	1.00	-0.04	0.62	1.91	1.91	1.00	1.85	1.19
3	14.0	1.0	2.1	1.0	1.0	3.1	0.60	-0.03	1.00	1.00	-0.04	1.20	1.82	1.00	1.00	1.87
4	14.0	3.1	1.0	1.0	2.1	1.0	-0.04	1.00	1.00	-0.03	0.60	1.87	1.00	1.00	1.82	1.20
5	14.0	1.0	2.3	1.0	3.9	3.9	0.62	-0.04	1.00	-0.03	-0.03	1.19	1.85	1.00	1.91	1.91
6	13.8	3.0	1.0	1.0	1.0	10.7	-0.03	1.00	1.00	1.00	1.00	1.82	1.00	1.00	1.00	1.13

DEFLECTION:

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LOAD ID 20 : Dead+Collateral+Live

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Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.33	1.85	0.18
1	-0.08	1.85	0.04
2	-0.17	1.87	0.09
2	-0.17	1.87	0.09
3	-0.08	1.85	0.04
3	-0.33	1.85	0.18

LOAD ID 21 : Dead+Collateral+Snow

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Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.23	1.85	0.13
1	-0.06	1.85	0.03
2	-0.12	1.87	0.07
2	-0.12	1.87	0.07
3	-0.06	1.85	0.03
3	-0.23	1.85	0.13

LOAD ID 22 : Dead+Collateral+Snow+Snow\_Drift

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Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.23	1.85	0.13
1	-0.06	1.85	0.03
2	-0.12	1.87	0.07
2	-0.12	1.87	0.07
3	-0.06	1.85	0.03
3	-0.23	1.85	0.13

LOAD ID 23 : Dead+Collateral+0.75Live+0.41Wind\_Pressure

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Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.35	2.22	0.16
1	-0.09	2.22	0.04
2	-0.18	2.24	0.08
2	-0.18	2.24	0.08
3	-0.09	2.22	0.04
3	-0.35	2.22	0.16

LOAD ID 24 : Dead+Collateral+0.75Snow+0.41Wind\_Pressure

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Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.28	2.22	0.13
1	-0.07	2.22	0.03
2	-0.15	2.24	0.07
2	-0.15	2.24	0.07
3	-0.07	2.22	0.03
3	-0.28	2.22	0.13

LOAD ID 25 : Dead+Collateral+0.75Snow+0.41Wind\_Pressure+0.75Snow\_Drift

Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.28	2.22	0.13
1	-0.07	2.22	0.03
2	-0.15	2.24	0.07
2	-0.15	2.24	0.07
3	-0.07	2.22	0.03
3	-0.28	2.22	0.13

LOAD ID 26 : 0.6Dead+0.54Wind\_Suction

Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	0.26	2.22	0.12
1	0.02	2.22	0.01
2	0.10	2.24	0.05
2	0.10	2.24	0.05
3	0.02	2.22	0.01
3	0.26	2.22	0.12

LOAD ID 27 : Dead+Collateral+MIN\_SNOW

Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.27	1.85	0.15
1	-0.07	1.85	0.04
2	-0.14	1.87	0.08
2	-0.14	1.87	0.08
3	-0.07	1.85	0.04
3	-0.27	1.85	0.15

LOAD ID 28 : Dead+Collateral+0.41Wind\_Pressure+0.75MIN\_SNOW

Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.31	2.22	0.14
1	-0.07	2.22	0.03
2	-0.16	2.24	0.07
2	-0.16	2.24	0.07
3	-0.07	2.22	0.03
3	-0.31	2.22	0.14

LOAD ID 29 : Dead+Collateral+Snow/2+PAT\_SL\_3

Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.22	1.85	0.12
1	-0.09	1.85	0.05

2	-0.04	1.87	0.02
2	-0.08	1.87	0.04
3	-0.03	1.85	0.02
3	-0.14	1.85	0.07

LOAD ID 30 : Dead+Collateral+Snow/2+PAT\_SL\_4

Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.10	1.85	0.05
1	-0.10	1.85	0.05
2	-0.14	1.87	0.08
2	-0.04	1.87	0.02
3	-0.04	1.85	0.02
3	-0.13	1.85	0.07

LOAD ID 31 : Dead+Collateral+Snow/2+PAT\_SL\_5

Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.15	1.85	0.08
1	0.00	1.85	0.00
2	-0.15	1.87	0.08
2	-0.15	1.87	0.08
3	0.00	1.85	0.00
3	-0.15	1.85	0.08

LOAD ID 32 : Dead+Collateral+Snow/2+PAT\_SL\_6

Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.13	1.85	0.07
1	-0.04	1.85	0.02
2	-0.04	1.87	0.02
2	-0.14	1.87	0.08
3	-0.10	1.85	0.05
3	-0.10	1.85	0.05

LOAD ID 33 : Dead+Collateral+Snow/2+PAT\_SL\_7

Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.14	1.85	0.07
1	-0.03	1.85	0.02
2	-0.08	1.87	0.04
2	-0.04	1.87	0.02
3	-0.09	1.85	0.05
3	-0.22	1.85	0.12

LOAD ID 34 : Dead+Collateral+Snow/2+PAT\_SL\_1

Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.27	1.85	0.15
1	0.02	1.85	0.01
2	-0.09	1.87	0.05
2	-0.07	1.87	0.04
3	-0.03	1.85	0.02
3	-0.14	1.85	0.07



LOAD ID 35 : Dead+Collateral+Snow/2+PAT\_SL\_2

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Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.14	1.85	0.07
1	-0.03	1.85	0.02
2	-0.07	1.87	0.04
2	-0.09	1.87	0.05
3	0.02	1.85	0.01
3	-0.27	1.85	0.15

LOAD ID 36 : Dead+Collateral+Snow-PAT\_SL\_1

---

Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.10	1.85	0.05
1	-0.11	1.85	0.06
2	-0.11	1.87	0.06
2	-0.13	1.87	0.07
3	-0.06	1.85	0.03
3	-0.24	1.85	0.13

LOAD ID 37 : Dead+Collateral+Snow-PAT\_SL\_2

---

Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.24	1.85	0.13
1	-0.06	1.85	0.03
2	-0.13	1.87	0.07
2	-0.11	1.87	0.06
3	-0.11	1.85	0.06
3	-0.10	1.85	0.05

LOAD ID 38 : Dead+Collateral+UNB\_SL

---

Bay Id	DEFLECTION(in)		
	Calc	Limit	Ratio
1	-0.31	1.85	0.17
1	-0.07	1.85	0.04
2	-0.16	1.87	0.09
2	-0.16	1.87	0.09
3	-0.07	1.85	0.04
3	-0.31	1.85	0.17

## LAP SCREW SHEAR:

Screw Part =#1A

Screw Quan =6

Surf Id	Bay Id	-----Left_Lap(k )-----				-----Right_Lap(k )-----			
		Load	Calc	Limit	UC	Load	Calc	Limit	UC
2	1					4	0.18	0.68	0.27
	2	4	0.15	0.68	0.23	4	0.15	0.68	0.23
	3	4	0.18	0.68	0.27				
3	1					4	0.18	0.68	0.27
	2	4	0.15	0.68	0.23	4	0.15	0.68	0.23
	3	4	0.18	0.68	0.27				

## 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	40.7	153.1	0.27	2.0	-29.9	111.4	0.27
		3	5.0	40.7	153.1	0.27	2.0	-29.9	111.4	0.27
		4	5.0	64.0	153.1	0.42	2.0	-47.0	111.4	0.42
		5	5.0	50.9	153.1	0.33	2.0	-37.4	111.4	0.34
		6	5.0	-102	111.4	0.92	2.0	72.3	153.1	0.47
		7	5.0	47.6	153.1	0.31	2.0	-35.0	111.4	0.31
		8	5.0	56.1	153.1	0.37	2.0	-41.2	111.4	0.37
		9	25.0	55.4	153.1	0.36	28.1	-40.6	111.4	0.36
2	Center	1	25.0	58.2	153.1	0.38	2.0	-42.7	111.4	0.38
		2	5.0	40.7	153.1	0.27	2.0	-29.9	111.4	0.27
		3	5.0	40.7	153.1	0.27	2.0	-29.9	111.4	0.27
		4	5.0	64.0	153.1	0.42	2.0	-47.0	111.4	0.42
		5	5.0	50.9	153.1	0.33	2.0	-37.4	111.4	0.34
		6	5.0	-74.3	111.4	0.67	2.0	52.6	153.1	0.34
		7	5.0	47.6	153.1	0.31	2.0	-35.0	111.4	0.31
		8	5.0	56.1	153.1	0.37	2.0	-41.2	111.4	0.37
		9	25.0	55.4	153.1	0.36	28.1	-40.6	111.4	0.36
2	Right	1	25.0	58.2	153.1	0.38	2.0	-42.7	111.4	0.38
		2	5.0	40.7	153.1	0.27	2.0	-29.9	111.4	0.27
		3	5.0	40.7	153.1	0.27	2.0	-29.9	111.4	0.27
		4	5.0	64.0	153.1	0.42	2.0	-47.0	111.4	0.42
		5	5.0	50.9	153.1	0.33	2.0	-37.4	111.4	0.34
		6	5.0	-102	111.4	0.92	2.0	72.3	153.1	0.47
		7	5.0	47.6	153.1	0.31	2.0	-35.0	111.4	0.31
		8	5.0	56.1	153.1	0.37	2.0	-41.2	111.4	0.37
		9	25.0	55.4	153.1	0.36	28.1	-40.6	111.4	0.36
3	Left	1	25.0	58.2	153.1	0.38	2.0	-42.7	111.4	0.38
		2	5.0	40.7	153.1	0.27	2.0	-29.9	111.4	0.27
		3	5.0	40.7	153.1	0.27	2.0	-29.9	111.4	0.27
		4	5.0	64.0	153.1	0.42	2.0	-47.0	111.4	0.42
		5	5.0	50.9	153.1	0.33	2.0	-37.4	111.4	0.34
		6	25.0	-102	111.4	0.92	28.1	72.3	153.1	0.47
		7	5.0	47.6	153.1	0.31	2.0	-35.0	111.4	0.31
		8	5.0	56.1	153.1	0.37	2.0	-41.2	111.4	0.37
		9	5.0	55.4	153.1	0.36	2.0	-40.6	111.4	0.36
3	Center	1	25.0	58.2	153.1	0.38	2.0	-42.7	111.4	0.38
		2	5.0	40.7	153.1	0.27	2.0	-29.9	111.4	0.27
		3	5.0	40.7	153.1	0.27	2.0	-29.9	111.4	0.27
		4	5.0	64.0	153.1	0.42	2.0	-47.0	111.4	0.42
		5	5.0	50.9	153.1	0.33	2.0	-37.4	111.4	0.34
		6	25.0	-74.3	111.4	0.67	28.1	52.6	153.1	0.34
		7	5.0	47.6	153.1	0.31	2.0	-35.0	111.4	0.31
		8	5.0	56.1	153.1	0.37	2.0	-41.2	111.4	0.37
		9	5.0	55.4	153.1	0.36	2.0	-40.6	111.4	0.36

3	Right	1	25.0	58.2	153.1	0.38	2.0	-42.7	111.4	0.38
		2	5.0	40.7	153.1	0.27	2.0	-29.9	111.4	0.27
		3	5.0	40.7	153.1	0.27	2.0	-29.9	111.4	0.27
		4	5.0	64.0	153.1	0.42	2.0	-47.0	111.4	0.42
		5	5.0	50.9	153.1	0.33	2.0	-37.4	111.4	0.34
		6	25.0	-102	111.4	0.92	28.1	72.3	153.1	0.47
		7	5.0	47.6	153.1	0.31	2.0	-35.0	111.4	0.31
		8	5.0	56.1	153.1	0.37	2.0	-41.2	111.4	0.37
		9	5.0	55.4	153.1	0.36	2.0	-40.6	111.4	0.36

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	-0.11	1.00	0.11
		12	2.5	-0.11	1.00	0.11
		13	2.5	-0.07	1.00	0.07
		14	2.5	0.27	1.00	0.27
		15	2.5	-0.13	1.00	0.13
2	Center	16	27.5	-0.17	1.00	0.17
		10	2.5	-0.16	1.00	0.16
		11	2.5	-0.11	1.00	0.11
		12	2.5	-0.11	1.00	0.11
		13	2.5	-0.07	1.00	0.07
		14	2.5	0.20	1.00	0.20
2	Right	15	2.5	-0.13	1.00	0.13
		16	27.5	-0.17	1.00	0.17
		10	2.5	-0.16	1.00	0.16
		11	2.5	-0.11	1.00	0.11
		12	2.5	-0.11	1.00	0.11
		13	2.5	-0.07	1.00	0.07
3	Left	14	2.5	0.27	1.00	0.27
		15	2.5	-0.13	1.00	0.13
		16	2.5	-0.17	1.00	0.17
		10	2.5	-0.16	1.00	0.16
		11	2.5	-0.11	1.00	0.11
		12	2.5	-0.11	1.00	0.11
3	Center	13	2.5	-0.07	1.00	0.07
		14	27.5	0.20	1.00	0.20
		15	2.5	-0.13	1.00	0.13
		16	2.5	-0.17	1.00	0.17
		10	2.5	-0.16	1.00	0.16
		11	2.5	-0.11	1.00	0.11
3	Right	12	2.5	-0.11	1.00	0.11
		13	2.5	-0.07	1.00	0.07
		14	27.5	0.27	1.00	0.27
		15	2.5	-0.13	1.00	0.13
		16	2.5	-0.17	1.00	0.17
		10	2.5	-0.16	1.00	0.16

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 0.54Wind\_Pressure  
14 0.54Wind\_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)		Surface (ft)		Bay Id	-Purlin(ft,in)-		Panel Zone (ft)	
			Start	End	Offset1	Offset2		Id	Width		Thick
2	1	Interior	19.04	64.46	19.04	30.03	2	4	5.00	0.062	5.00
2	2	Middle	9.52	73.98	9.52	30.03	2	4	5.00	0.062	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	73.98	83.50	0.00	3.18	3	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	80.32	83.50	3.18	9.53	3	1	5.00	0.074	5.00
2	15	Exterior	0.00	83.50	0.00	30.03	2	4	5.00	0.062	5.00
3	1	Interior	19.04	64.46	0.00	10.99	2	1	5.00	0.062	5.00
3	2	Middle	9.52	73.98	0.00	20.51	2	4	5.00	0.062	5.00
3	9	Rt bot corner	73.98	83.50	26.85	30.03	3	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	80.32	83.50	20.50	26.85	3	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	83.50	0.00	30.03	2	4	5.00	0.062	5.00

## PURLIN SCREW CHECK:

Surf Id	Zone Id	Screw Space	Wind		-----Limit(k )-----			Max UC
			Suction (psf )	Load (k )	Purlin Pullout	Panel Pullover	Screw Tension	
2	1	0.95	12.42	0.06	0.23	0.37	0.77	0.26
2	2	0.95	21.61	0.10	0.23	0.37	0.77	0.45
2	7	0.95	38.87	0.19	0.27	0.37	0.77	0.67
2	8	0.95	38.87	0.19	0.27	0.37	0.77	0.67
2	11	0.95	38.87	0.19	0.27	0.37	0.77	0.67
2	12	0.95	38.87	0.19	0.27	0.37	0.77	0.67
2	15	0.95	28.57	0.14	0.23	0.37	0.77	0.59
3	1	0.95	12.42	0.06	0.23	0.37	0.77	0.26
3	2	0.95	21.61	0.10	0.23	0.37	0.77	0.45
3	9	0.95	38.87	0.19	0.27	0.37	0.77	0.67
3	10	0.95	38.87	0.19	0.27	0.37	0.77	0.67
3	13	0.95	38.87	0.19	0.27	0.37	0.77	0.67
3	14	0.95	38.87	0.19	0.27	0.37	0.77	0.67
3	15	0.95	28.57	0.14	0.23	0.37	0.77	0.59

.. No Warnings

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

\*( 2)JOB IDENTIFICATION:
   
\* Job Id
   
'8'

\*( 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 83.5000 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 83.5000 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	Id	(L/T)	Offset	Wall Length	Quan	Location	Column Side
3		6	'T'	0.0000	60.0000	5	13.7500	'L'
							27.7500	'L'
							41.7500	'L'
							55.7500	'L'
							69.7500	'L'
		7	'L'	30.0000	13.7500	1	0.0000	'F'
		8	'L'	30.0000	13.7500	1	69.7500	'F'

\*(13) SPECIAL WALLS:

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

\*(14) RECESS:

*No.	-Location-	Id	Type	Orn	Offset	Width	Depth	Height	Option	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	3	13.7500	1
		14.0000	4
		13.7500	1
3	1	5.0000	12
4	3	13.7500	1
		14.0000	4
		13.7500	1
5	3	27.7500	1
		28.0000	1
		27.7500	1
6	1	5.0000	12
7	1	4.5833	3
8	1	4.5833	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
12.000	2	1	0.8750	2	30.0000	12.0000	14.0000	0.0000	'-'	'DOOR62	'C'	'C'	'C'	6
.000	2	2	1.0000	2	60.0000	12.0000	14.0000	0.0000	'-'	'DOOR62	'C'	'C'	'C'	6
.000	2	3	1.0000	2	60.0000	12.0000	14.0000	0.0000	'-'	'DOOR62	'C'	'C'	'C'	6
.000	2	4	1.0000	2	60.0000	12.0000	14.0000	0.0000	'-'	'DOOR62	'C'	'C'	'C'	6
.000	2	5	1.0000	2	60.0000	12.0000	14.0000	0.0000	'-'	'DOOR62	'C'	'C'	'C'	6
.000	2	6	0.8750	2	30.0000	12.0000	14.0000	0.0000	'-'	'DOOR62	'C'	'C'	'C'	6
.000	4	1	0.8750	2	30.0000	12.0000	14.0000	0.0000	'-'	'DOOR62	'C'	'C'	'C'	6
.000	4	2	1.0000	2	60.0000	12.0000	14.0000	0.0000	'-'	'DOOR62	'C'	'C'	'C'	6
.000	4	3	1.0000	2	60.0000	12.0000	14.0000	0.0000	'-'	'DOOR62	'C'	'C'	'C'	6
.000	4	4	1.0000	2	60.0000	12.0000	14.0000	0.0000	'-'	'DOOR62	'C'	'C'	'C'	6

.000 4 5 1.0000 2 60.0000 12.0000 14.0000 0.0000 '-' 'DOOR62' 'C' 'C' 'C' '6  
 .000 4 6 0.8750 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
0										

\*(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	7	14	'C'	'R'	'-'	6.000
		15	'C'	'L'	'-'	6.000
		16	'C'	'L'	'-'	6.000
		17	'C'	'L'	'-'	6.000
		18	'C'	'L'	'-'	6.000
		19	'C'	'L'	'-'	6.000
		20	'C'	'L'	'-'	6.000
3	13	21	'-'	'L'	'-'	6.000
		22	'C'	'B'	'-'	6.000
		23	'C'	'B'	'-'	6.000
		24	'C'	'B'	'-'	6.000
		25	'C'	'B'	'-'	6.000
		26	'C'	'B'	'-'	6.000
		27	'C'	'F'	'-'	6.000
		28	'C'	'F'	'-'	6.000
		29	'C'	'F'	'-'	6.000
		30	'C'	'F'	'-'	6.000
		31	'C'	'F'	'-'	6.000
		32	'C'	'F'	'-'	6.000
		33	'-'	'L'	'-'	6.000
4	7	34	'C'	'L'	'-'	6.000
		35	'C'	'L'	'-'	6.000
		36	'C'	'L'	'-'	6.000
		37	'C'	'L'	'-'	6.000
		38	'C'	'L'	'-'	6.000
		39	'C'	'L'	'-'	6.000
		40	'C'	'R'	'-'	6.000

\*(20) INTERIOR COLUMNS:

*Wall	No.	Col	Col	Col	Col	Set
* Id	Col	Id	Type	Rot	Opt	Depth
6	13	41	'-'	'L'	'-'	6.000
		42	'C'	'F'	'-'	6.000
		43	'C'	'F'	'-'	6.000

		44	'C'	'F'	'-'	6.000
		45	'C'	'F'	'-'	6.000
		46	'C'	'F'	'-'	6.000
		47	'C'	'F'	'-'	6.000
		48	'C'	'B'	'-'	6.000
		49	'C'	'B'	'-'	6.000
		50	'C'	'B'	'-'	6.000
		51	'C'	'B'	'-'	6.000
		52	'C'	'B'	'-'	6.000
		53	'-'	'L'	'-'	6.000
7	4	54	'-'	'F'	'-'	6.000
		55	'C'	'L'	'-'	6.000
		56	'C'	'L'	'-'	6.000
		57	'-'	'F'	'-'	6.000
8	4	58	'-'	'F'	'-'	6.000
		59	'C'	'L'	'-'	6.000
		60	'C'	'L'	'-'	6.000
		61	'-'	'F'	'-'	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	3	1	0.0000	'O'	'-'	'-'	6.125
		2	27.7500	'O'	'-'	'-'	6.125
		3	55.7500	'O'	'-'	'-'	6.125
3	0						
4	3	4	0.0000	'O'	'-'	'-'	6.125
		5	27.7500	'O'	'-'	'-'	6.125
		6	55.7500	'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	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 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 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 Size	Panel Opt	Screw Type	Use	Standing Seam 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 Id	Brace Shear	Type	Opt	Wall No.	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 Shear	Type	Opt	Wall No.	Dead Bay
	'Y'	'N'	'-'	2.00	0
	'Y'	'N'	'-'	2.00	0

\*(34) BASIC LOADS:

Dead Load	Collat Load	Live Load	Snow Load	Rain Load	Basic Wind	---Deflection---			Wind Load Factor	Seis Load Factor
						Load	Ratio	Seis		
2.0	0.5	20.0	13.4	0.0	19.2	1.00	0.54	1.00	0.60	1.00

\*(35) EDGE ZONE:

Zone	Col/	Brace Zone











\*(40) AUXILIARY LOADS:

* No.	Aux	Aux	No. Add	Add Load	
* 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	0.37
				5	1.00
				6	0.37

\*(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'	-16.00	-16.00	0.0000	30.0260	0.000	83.500
	2	3	'U_SNOW'	'D'	'T'	-16.00	-16.00	0.0000	30.0260	0.000	83.500
	3	2	'U_SNOW'	'D'	'T'	-13.44	-13.44	0.0000	30.0260	0.000	83.500
	4	2	'U_SNOW'	'D'	'T'	-13.44	-13.44	11.0195	30.0260	0.000	83.500
	5	3	'U_SNOW'	'D'	'T'	-13.44	-13.44	0.0000	30.0260	0.000	83.500
	6	3	'U_SNOW'	'D'	'T'	-13.44	-13.44	0.0000	19.0065	0.000	83.500

\*(42) TRIM STYLES:

* No.	--Location--	Jamb
* Trim	Type	Id
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.					Washer	-----Spacing-----		
* Zone	Zone	Part	Dia	Limit	Dia			
2	'INT'	'#29'	0.209	2.900	0.500	12.000	6.000	0.000
	'EDGE'	'#29'	0.209	2.900	0.500	12.000	6.000	0.000

\*AUXILIARY LOAD DESCRIPTIONS:

* Aux	Id	Description
	1	Minimum snow load
	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

## 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	83.5	83.5	PBR26

## PANEL SHEAR:

System Id	Type	---Offset---		-Shear(k )-		Panel_Shear (lb/ft)		
Id	Type	Start	End	Wind	Seis	Wind	Seis	Limit
1	Long	0.0	5.0	0.26	0.19	3.1	2.3	100.0
		5.0	10.0	0.83	0.34	9.9	4.0	100.0
		10.0	15.0	1.18	0.48	14.2	5.8	100.0
		15.0	20.0	1.54	0.63	18.5	7.5	100.0
		20.0	25.0	1.91	0.77	22.8	9.3	100.0
		25.0	30.0	2.27	0.92	27.2	11.0	100.0
		30.0	35.0	2.22	0.92	26.6	11.0	100.0
		35.0	40.0	1.85	0.77	22.2	9.3	100.0
		40.0	45.0	1.49	0.63	17.8	7.5	100.0
		45.0	50.0	1.13	0.48	13.5	5.8	100.0
		50.0	55.0	0.78	0.34	9.3	4.0	100.0
55.0	60.0	0.26	0.19	3.1	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	83.5	Open						
* Long	30.0	0.0	83.5	27.5	PBR29	4.87	2.02	176.9	73.6	100.0
F_SW	60.0	0.0	83.5	Open						
L_EW	0.0	0.0	60.0	60.0	CUSPANL	0.57	0.21	9.5	3.5	50.0
Tran	13.8	0.0	60.0	60.0	PBR29	1.15	0.33	19.2	5.4	100.0
Tran	27.8	0.0	60.0	60.0	PBR29	1.16	0.32	19.3	5.3	100.0
Tran	41.8	0.0	60.0	60.0	PBR29	1.16	0.32	19.3	5.3	100.0
Tran	55.8	0.0	60.0	60.0	PBR29	1.16	0.32	19.3	5.3	100.0
Tran	69.8	0.0	60.0	60.0	PBR29	1.15	0.32	19.2	5.3	100.0
R_EW	83.5	0.0	60.0	60.0	CUSPANL	0.57	0.21	9.5	3.5	50.0

\*WRN(WWM-401) Panel Shear > Limit

## WALL LAYOUT:

Wall Id	Orn	Load Width
1	T	6.88

## 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	10	0.74	Deflect
Col3	10.0	6X2C16	6.00	16ga	2.00	16ga	16.3	35.8	10	0.74	Deflect
Col4	15.0	6X2C16	6.00	16ga	2.00	16ga	16.5	36.2	10	0.77	Deflect
Col5	20.0	6X2C16	6.00	16ga	2.00	16ga	16.8	36.7	10	0.79	Deflect
Col6	25.0	6X2C16	6.00	16ga	2.00	16ga	17.0	37.1	10	0.82	Deflect
Col7	30.0	6X2C16	6.00	16ga	2.00	16ga	17.1	37.4	1	0.09	Mom+Axl
Col8	35.0	6X2C16	6.00	16ga	2.00	16ga	17.0	37.1	10	0.82	Deflect
Col9	40.0	6X2C16	6.00	16ga	2.00	16ga	16.8	36.7	10	0.79	Deflect
Col10	45.0	6X2C16	6.00	16ga	2.00	16ga	16.5	36.2	10	0.77	Deflect
Col11	50.0	6X2C16	6.00	16ga	2.00	16ga	16.3	35.8	10	0.74	Deflect
Col12	55.0	6X2C16	6.00	16ga	2.00	16ga	16.1	35.3	10	0.74	Deflect
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	0.82	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	0.59	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col2	4	0.59	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col2	5	0.65	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col2	6	0.48	7.66	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col2	7	0.48	7.66	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col2	8	-0.33	21.18	0.40	3.32	-1.63	2.65	0.02	0.12	0.60	0.00
Col2	9	-0.15	21.18	0.40	3.32	-1.63	2.65	0.01	0.12	0.61	0.00
Col2	10	-0.33	21.18	-0.47	3.32	1.89	2.65	0.02	0.14	0.70	0.00
Col2	11	-0.15	21.18	-0.47	3.32	1.89	2.65	0.01	0.14	0.71	0.00
Col2	12	-0.33	21.18	-0.47	3.32	1.89	2.65	0.02	0.14	0.70	0.00
Col2	13	-0.15	21.18	-0.47	3.32	1.89	2.65	0.01	0.14	0.71	0.00
Col2	14	-0.19	21.18	-0.47	3.32	1.89	2.65	0.01	0.14	0.71	0.00
Col2	15	-0.01	21.18	-0.47	3.32	1.89	2.65	0.00	0.14	0.71	0.00
Col2	16	0.42	7.66	-0.35	3.32	1.42	2.65	0.05	0.11	0.59	0.00
Col2	17	0.56	7.66	-0.35	3.32	1.42	2.65	0.07	0.11	0.61	0.00
Col2	18	0.31	7.66	-0.35	3.32	1.42	2.65	0.04	0.11	0.58	0.00
Col2	19	0.45	7.66	-0.35	3.32	1.42	2.65	0.06	0.11	0.59	0.00
Col2	20	0.25	7.66	-0.35	3.32	1.42	2.65	0.03	0.11	0.57	0.00
Col2	21	0.39	7.66	-0.35	3.32	1.42	2.65	0.05	0.11	0.59	0.00
Col2	22	0.14	7.66	-0.35	3.32	1.42	2.65	0.02	0.11	0.55	0.00
Col2	23	0.28	7.66	-0.35	3.32	1.42	2.65	0.04	0.11	0.57	0.00
Col2	24	0.25	7.66	-0.35	3.32	1.42	2.65	0.03	0.11	0.57	0.00
Col2	25	0.39	7.66	-0.35	3.32	1.42	2.65	0.05	0.11	0.59	0.00
Col2	26	0.14	7.66	-0.35	3.32	1.42	2.65	0.02	0.11	0.55	0.00
Col2	27	0.28	7.66	-0.35	3.32	1.42	2.65	0.04	0.11	0.57	0.00
Col2	28	-0.36	21.18	0.40	3.32	-1.63	2.65	0.02	0.12	0.60	0.00
Col2	29	-0.18	21.18	0.40	3.32	-1.63	2.65	0.01	0.12	0.61	0.00
Col2	30	-0.36	21.18	-0.47	3.32	1.89	2.65	0.02	0.14	0.70	0.00

Col2	31	-0.18	21.18	-0.47	3.32	1.89	2.65	0.01	0.14	0.71	0.00
Col2	32	-0.36	21.18	-0.47	3.32	1.89	2.65	0.02	0.14	0.70	0.00
Col2	33	-0.18	21.18	-0.47	3.32	1.89	2.65	0.01	0.14	0.71	0.00
Col2	34	-0.22	21.18	-0.47	3.32	1.89	2.65	0.01	0.14	0.70	0.00
Col2	35	-0.03	21.18	-0.47	3.32	1.89	2.65	0.00	0.14	0.71	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	0.65	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col2	39	0.65	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col2	40	0.48	7.66	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col2	41	0.48	7.66	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col2	42	0.48	7.66	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col2	43	0.48	7.66	0.00	3.32	0.00	2.65	0.06	0.00	0.06	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	0.68	7.66	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col2	47	0.31	7.66	-0.35	3.32	1.42	2.65	0.04	0.11	0.58	0.00
Col2	48	0.45	7.66	-0.35	3.32	1.42	2.65	0.06	0.11	0.60	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	0.59	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col2	54	0.48	7.66	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col2	55	0.48	7.66	-0.35	3.32	1.42	2.65	0.06	0.11	0.60	0.00
Col2	56	0.48	7.66	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col3	1	0.82	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	0.59	7.45	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col3	4	0.59	7.45	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col3	5	0.65	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col3	6	0.48	7.45	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col3	7	0.48	7.45	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col3	8	-0.33	21.18	0.41	3.32	-1.67	2.65	0.02	0.12	0.62	0.00
Col3	9	-0.15	21.18	0.41	3.32	-1.67	2.65	0.01	0.12	0.62	0.00
Col3	10	-0.33	21.18	-0.45	3.32	1.85	2.65	0.02	0.14	0.68	0.00
Col3	11	-0.15	21.18	-0.45	3.32	1.85	2.65	0.01	0.14	0.69	0.00
Col3	12	-0.33	21.18	-0.45	3.32	1.85	2.65	0.02	0.14	0.68	0.00
Col3	13	-0.15	21.18	-0.45	3.32	1.85	2.65	0.01	0.14	0.69	0.00
Col3	14	-0.19	21.18	-0.45	3.32	1.85	2.65	0.01	0.14	0.69	0.00
Col3	15	-0.01	21.18	-0.45	3.32	1.85	2.65	0.00	0.14	0.70	0.00
Col3	16	0.42	7.45	-0.34	3.32	1.39	2.65	0.06	0.10	0.58	0.00
Col3	17	0.56	7.45	-0.34	3.32	1.39	2.65	0.07	0.10	0.60	0.00
Col3	18	0.31	7.45	-0.34	3.32	1.39	2.65	0.04	0.10	0.57	0.00
Col3	19	0.45	7.45	-0.34	3.32	1.39	2.65	0.06	0.10	0.58	0.00
Col3	20	0.25	7.45	-0.34	3.32	1.39	2.65	0.03	0.10	0.56	0.00
Col3	21	0.39	7.45	-0.34	3.32	1.39	2.65	0.05	0.10	0.58	0.00
Col3	22	0.14	7.45	-0.34	3.32	1.39	2.65	0.02	0.10	0.54	0.00
Col3	23	0.28	7.45	-0.34	3.32	1.39	2.65	0.04	0.10	0.56	0.00
Col3	24	0.25	7.45	-0.34	3.32	1.39	2.65	0.03	0.10	0.56	0.00
Col3	25	0.39	7.45	-0.34	3.32	1.39	2.65	0.05	0.10	0.58	0.00
Col3	26	0.14	7.45	-0.34	3.32	1.39	2.65	0.02	0.10	0.54	0.00
Col3	27	0.28	7.45	-0.34	3.32	1.39	2.65	0.04	0.10	0.56	0.00
Col3	28	-0.36	21.18	0.41	3.32	-1.67	2.65	0.02	0.12	0.61	0.00
Col3	29	-0.18	21.18	0.41	3.32	-1.67	2.65	0.01	0.12	0.62	0.00
Col3	30	-0.36	21.18	-0.45	3.32	1.85	2.65	0.02	0.14	0.68	0.00
Col3	31	-0.18	21.18	-0.45	3.32	1.85	2.65	0.01	0.14	0.69	0.00
Col3	32	-0.36	21.18	-0.45	3.32	1.85	2.65	0.02	0.14	0.68	0.00
Col3	33	-0.18	21.18	-0.45	3.32	1.85	2.65	0.01	0.14	0.69	0.00
Col3	34	-0.22	21.18	-0.45	3.32	1.85	2.65	0.01	0.14	0.69	0.00
Col3	35	-0.03	21.18	-0.45	3.32	1.85	2.65	0.00	0.14	0.70	0.00
Col3	36	0.13	7.45	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col3	37	0.13	7.45	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col3	38	0.65	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col3	39	0.65	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00

Col3	40	0.48	7.45	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col3	41	0.48	7.45	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col3	42	0.48	7.45	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col3	43	0.48	7.45	0.00	3.32	0.00	2.65	0.06	0.00	0.06	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	0.68	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col3	47	0.31	7.45	-0.34	3.32	1.39	2.65	0.04	0.10	0.57	0.00
Col3	48	0.45	7.45	-0.34	3.32	1.39	2.65	0.06	0.10	0.59	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	0.65	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col3	54	0.52	7.45	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col3	55	0.52	7.45	-0.34	3.32	1.39	2.65	0.07	0.10	0.59	0.00
Col3	56	0.52	7.45	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col4	1	0.82	7.23	0.00	3.32	0.00	2.65	0.11	0.00	0.11	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	0.59	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col4	4	0.59	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col4	5	0.65	7.23	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col4	6	0.48	7.23	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col4	7	0.48	7.23	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col4	8	-0.33	21.18	0.41	3.32	-1.71	2.65	0.02	0.12	0.63	0.00
Col4	9	-0.15	21.18	0.41	3.32	-1.71	2.65	0.01	0.12	0.64	0.00
Col4	10	-0.33	21.18	-0.46	3.32	1.90	2.65	0.02	0.14	0.70	0.00
Col4	11	-0.15	21.18	-0.46	3.32	1.90	2.65	0.01	0.14	0.71	0.00
Col4	12	-0.33	21.18	-0.46	3.32	1.90	2.65	0.02	0.14	0.70	0.00
Col4	13	-0.15	21.18	-0.46	3.32	1.90	2.65	0.01	0.14	0.71	0.00
Col4	14	-0.19	21.18	-0.46	3.32	1.90	2.65	0.01	0.14	0.71	0.00
Col4	15	0.00	21.18	-0.46	3.32	1.90	2.65	0.00	0.14	0.72	0.00
Col4	16	0.42	7.23	-0.34	3.32	1.42	2.65	0.06	0.10	0.60	0.00
Col4	17	0.56	7.23	-0.34	3.32	1.42	2.65	0.08	0.10	0.62	0.00
Col4	18	0.31	7.23	-0.34	3.32	1.42	2.65	0.04	0.10	0.58	0.00
Col4	19	0.45	7.23	-0.34	3.32	1.42	2.65	0.06	0.10	0.60	0.00
Col4	20	0.25	7.23	-0.34	3.32	1.42	2.65	0.03	0.10	0.57	0.00
Col4	21	0.39	7.23	-0.34	3.32	1.42	2.65	0.05	0.10	0.59	0.00
Col4	22	0.14	7.23	-0.34	3.32	1.42	2.65	0.02	0.10	0.56	0.00
Col4	23	0.28	7.23	-0.34	3.32	1.42	2.65	0.04	0.10	0.58	0.00
Col4	24	0.25	7.23	-0.34	3.32	1.42	2.65	0.03	0.10	0.57	0.00
Col4	25	0.39	7.23	-0.34	3.32	1.42	2.65	0.05	0.10	0.59	0.00
Col4	26	0.14	7.23	-0.34	3.32	1.42	2.65	0.02	0.10	0.56	0.00
Col4	27	0.28	7.23	-0.34	3.32	1.42	2.65	0.04	0.10	0.58	0.00
Col4	28	-0.36	21.18	0.41	3.32	-1.71	2.65	0.02	0.12	0.63	0.00
Col4	29	-0.18	21.18	0.41	3.32	-1.71	2.65	0.01	0.12	0.64	0.00
Col4	30	-0.36	21.18	-0.46	3.32	1.90	2.65	0.02	0.14	0.70	0.00
Col4	31	-0.18	21.18	-0.46	3.32	1.90	2.65	0.01	0.14	0.71	0.00
Col4	32	-0.36	21.18	-0.46	3.32	1.90	2.65	0.02	0.14	0.70	0.00
Col4	33	-0.18	21.18	-0.46	3.32	1.90	2.65	0.01	0.14	0.71	0.00
Col4	34	-0.22	21.18	-0.46	3.32	1.90	2.65	0.01	0.14	0.71	0.00
Col4	35	-0.03	21.18	-0.46	3.32	1.90	2.65	0.00	0.14	0.72	0.00
Col4	36	0.13	7.23	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col4	37	0.13	7.23	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col4	38	0.65	7.23	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col4	39	0.65	7.23	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col4	40	0.48	7.23	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col4	41	0.48	7.23	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col4	42	0.48	7.23	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col4	43	0.48	7.23	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col4	44	0.08	7.23	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col4	45	0.08	7.23	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col4	46	0.68	7.23	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col4	47	0.32	7.23	-0.34	3.32	1.42	2.65	0.04	0.10	0.58	0.00
Col4	48	0.46	7.23	-0.34	3.32	1.42	2.65	0.06	0.10	0.60	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	0.76	7.23	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col4	54	0.60	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col4	55	0.60	7.23	-0.34	3.32	1.42	2.65	0.08	0.10	0.62	0.00
Col4	56	0.60	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col5	1	0.82	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	0.59	7.01	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col5	4	0.59	7.01	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col5	5	0.65	7.01	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col5	6	0.48	7.01	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col5	7	0.48	7.01	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col5	8	-0.33	21.18	0.42	3.32	-1.76	2.65	0.02	0.13	0.65	0.00
Col5	9	-0.15	21.18	0.42	3.32	-1.76	2.65	0.01	0.13	0.66	0.00
Col5	10	-0.33	21.18	-0.46	3.32	1.95	2.65	0.02	0.14	0.72	0.00
Col5	11	-0.15	21.18	-0.46	3.32	1.95	2.65	0.01	0.14	0.73	0.00
Col5	12	-0.33	21.18	-0.46	3.32	1.95	2.65	0.02	0.14	0.72	0.00
Col5	13	-0.15	21.18	-0.46	3.32	1.95	2.65	0.01	0.14	0.73	0.00
Col5	14	-0.19	21.18	-0.46	3.32	1.95	2.65	0.01	0.14	0.73	0.00
Col5	15	0.00	21.18	-0.46	3.32	1.95	2.65	0.00	0.14	0.74	0.00
Col5	16	0.42	7.01	-0.35	3.32	1.46	2.65	0.06	0.11	0.61	0.00
Col5	17	0.56	7.01	-0.35	3.32	1.46	2.65	0.08	0.11	0.63	0.00
Col5	18	0.31	7.01	-0.35	3.32	1.46	2.65	0.04	0.11	0.60	0.00
Col5	19	0.45	7.01	-0.35	3.32	1.46	2.65	0.06	0.11	0.62	0.00
Col5	20	0.25	7.01	-0.35	3.32	1.46	2.65	0.04	0.11	0.59	0.00
Col5	21	0.39	7.01	-0.35	3.32	1.46	2.65	0.06	0.11	0.61	0.00
Col5	22	0.14	7.01	-0.35	3.32	1.46	2.65	0.02	0.11	0.57	0.00
Col5	23	0.28	7.01	-0.35	3.32	1.46	2.65	0.04	0.11	0.59	0.00
Col5	24	0.25	7.01	-0.35	3.32	1.46	2.65	0.04	0.11	0.59	0.00
Col5	25	0.39	7.01	-0.35	3.32	1.46	2.65	0.06	0.11	0.61	0.00
Col5	26	0.14	7.01	-0.35	3.32	1.46	2.65	0.02	0.11	0.57	0.00
Col5	27	0.28	7.01	-0.35	3.32	1.46	2.65	0.04	0.11	0.59	0.00
Col5	28	-0.36	21.18	0.42	3.32	-1.76	2.65	0.02	0.13	0.65	0.00
Col5	29	-0.17	21.18	0.42	3.32	-1.76	2.65	0.01	0.13	0.66	0.00
Col5	30	-0.36	21.18	-0.46	3.32	1.95	2.65	0.02	0.14	0.72	0.00
Col5	31	-0.17	21.18	-0.46	3.32	1.95	2.65	0.01	0.14	0.73	0.00
Col5	32	-0.36	21.18	-0.46	3.32	1.95	2.65	0.02	0.14	0.72	0.00
Col5	33	-0.17	21.18	-0.46	3.32	1.95	2.65	0.01	0.14	0.73	0.00
Col5	34	-0.22	21.18	-0.46	3.32	1.95	2.65	0.01	0.14	0.73	0.00
Col5	35	-0.03	21.18	-0.46	3.32	1.95	2.65	0.00	0.14	0.73	0.00
Col5	36	0.13	7.01	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col5	37	0.13	7.01	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col5	38	0.65	7.01	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col5	39	0.65	7.01	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col5	40	0.48	7.01	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col5	41	0.48	7.01	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col5	42	0.48	7.01	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col5	43	0.48	7.01	0.00	3.32	0.00	2.65	0.07	0.00	0.07	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	0.08	7.01	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col5	46	0.68	7.01	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col5	47	0.32	7.01	-0.35	3.32	1.46	2.65	0.04	0.11	0.60	0.00
Col5	48	0.46	7.01	-0.35	3.32	1.46	2.65	0.06	0.11	0.62	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	0.77	7.01	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col5	54	0.61	7.01	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col5	55	0.61	7.01	-0.35	3.32	1.46	2.65	0.09	0.11	0.64	0.00
Col5	56	0.61	7.01	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col6	1	0.82	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	0.59	6.79	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col6	4	0.59	6.79	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col6	5	0.65	6.79	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col6	6	0.48	6.79	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col6	7	0.48	6.79	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col6	8	-0.33	21.18	0.42	3.32	-1.80	2.65	0.02	0.13	0.66	0.00
Col6	9	-0.15	21.18	0.42	3.32	-1.80	2.65	0.01	0.13	0.67	0.00
Col6	10	-0.33	21.18	-0.47	3.32	2.00	2.65	0.02	0.14	0.74	0.00
Col6	11	-0.15	21.18	-0.47	3.32	2.00	2.65	0.01	0.14	0.75	0.00
Col6	12	-0.33	21.18	-0.47	3.32	2.00	2.65	0.02	0.14	0.74	0.00
Col6	13	-0.15	21.18	-0.47	3.32	2.00	2.65	0.01	0.14	0.75	0.00
Col6	14	-0.19	21.18	-0.47	3.32	2.00	2.65	0.01	0.14	0.74	0.00
Col6	15	0.00	21.18	-0.47	3.32	2.00	2.65	0.00	0.14	0.75	0.00
Col6	16	0.42	6.79	-0.35	3.32	1.50	2.65	0.06	0.11	0.63	0.00
Col6	17	0.56	6.79	-0.35	3.32	1.50	2.65	0.08	0.11	0.65	0.00
Col6	18	0.31	6.79	-0.35	3.32	1.50	2.65	0.05	0.11	0.61	0.00
Col6	19	0.45	6.79	-0.35	3.32	1.50	2.65	0.07	0.11	0.63	0.00
Col6	20	0.25	6.79	-0.35	3.32	1.50	2.65	0.04	0.11	0.60	0.00
Col6	21	0.39	6.79	-0.35	3.32	1.50	2.65	0.06	0.11	0.62	0.00
Col6	22	0.14	6.79	-0.35	3.32	1.50	2.65	0.02	0.11	0.59	0.00
Col6	23	0.28	6.79	-0.35	3.32	1.50	2.65	0.04	0.11	0.61	0.00
Col6	24	0.25	6.79	-0.35	3.32	1.50	2.65	0.04	0.11	0.60	0.00
Col6	25	0.39	6.79	-0.35	3.32	1.50	2.65	0.06	0.11	0.62	0.00
Col6	26	0.14	6.79	-0.35	3.32	1.50	2.65	0.02	0.11	0.59	0.00
Col6	27	0.28	6.79	-0.35	3.32	1.50	2.65	0.04	0.11	0.61	0.00
Col6	28	-0.36	21.18	0.42	3.32	-1.80	2.65	0.02	0.13	0.66	0.00
Col6	29	-0.17	21.18	0.42	3.32	-1.80	2.65	0.01	0.13	0.67	0.00
Col6	30	-0.36	21.18	-0.47	3.32	2.00	2.65	0.02	0.14	0.74	0.00
Col6	31	-0.17	21.18	-0.47	3.32	2.00	2.65	0.01	0.14	0.75	0.00
Col6	32	-0.36	21.18	-0.47	3.32	2.00	2.65	0.02	0.14	0.74	0.00
Col6	33	-0.17	21.18	-0.47	3.32	2.00	2.65	0.01	0.14	0.75	0.00
Col6	34	-0.22	21.18	-0.47	3.32	2.00	2.65	0.01	0.14	0.74	0.00
Col6	35	-0.03	21.18	-0.47	3.32	2.00	2.65	0.00	0.14	0.75	0.00
Col6	36	0.13	6.79	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col6	37	0.13	6.79	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col6	38	0.65	6.79	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col6	39	0.65	6.79	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col6	40	0.48	6.79	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col6	41	0.48	6.79	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col6	42	0.48	6.79	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col6	43	0.48	6.79	0.00	3.32	0.00	2.65	0.07	0.00	0.07	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	0.68	6.79	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col6	47	0.32	6.79	-0.35	3.32	1.50	2.65	0.05	0.11	0.61	0.00
Col6	48	0.46	6.79	-0.35	3.32	1.50	2.65	0.07	0.11	0.63	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	0.77	6.79	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col6	54	0.61	6.79	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col6	55	0.61	6.79	-0.35	3.32	1.50	2.65	0.09	0.11	0.65	0.00
Col6	56	0.61	6.79	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col7	1	0.82	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	0.59	8.83	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col7	4	0.59	8.83	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col7	5	0.65	8.83	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col7	6	0.48	8.83	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col7	7	0.48	8.83	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col7	8	-0.23	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col7	9	-0.23	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col7	10	-0.23	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00



Col7	11	-0.23	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col7	12	-0.23	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col7	13	-0.23	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col7	14	-0.09	21.18	0.00	3.32	0.00	2.65	0.00	0.00	0.00	0.00
Col7	15	-0.09	21.18	0.00	3.32	0.00	2.65	0.00	0.00	0.00	0.00
Col7	16	0.49	8.83	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col7	17	0.49	8.83	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col7	18	0.39	8.83	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col7	19	0.39	8.83	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col7	20	0.32	8.83	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col7	21	0.32	8.83	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col7	22	0.22	8.83	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col7	23	0.22	8.83	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col7	24	0.32	8.83	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col7	25	0.32	8.83	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col7	26	0.22	8.83	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col7	27	0.22	8.83	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col7	28	-0.26	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col7	29	-0.26	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col7	30	-0.26	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col7	31	-0.26	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col7	32	-0.26	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col7	33	-0.26	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col7	34	-0.12	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col7	35	-0.12	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col7	36	0.13	8.83	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col7	37	0.13	8.83	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col7	38	0.65	8.83	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col7	39	0.65	8.83	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col7	40	0.48	8.83	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col7	41	0.48	8.83	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col7	42	0.48	8.83	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col7	43	0.48	8.83	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col7	44	0.08	8.83	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col7	45	0.08	8.83	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col7	46	0.67	8.83	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col7	47	0.38	8.83	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col7	48	0.38	8.83	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col7	49	0.13	8.83	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col7	50	0.13	8.83	0.00	3.32	0.00	2.65	0.01	0.00	0.01	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	0.75	8.83	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col7	54	0.60	8.83	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col7	55	0.60	8.83	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col7	56	0.60	8.83	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col8	1	0.82	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	0.59	6.79	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col8	4	0.59	6.79	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col8	5	0.65	6.79	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col8	6	0.48	6.79	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col8	7	0.48	6.79	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col8	8	-0.15	21.18	0.42	3.32	-1.80	2.65	0.01	0.13	0.67	0.00
Col8	9	-0.33	21.18	0.42	3.32	-1.80	2.65	0.02	0.13	0.66	0.00
Col8	10	-0.15	21.18	-0.47	3.32	2.00	2.65	0.01	0.14	0.75	0.00
Col8	11	-0.33	21.18	-0.47	3.32	2.00	2.65	0.02	0.14	0.74	0.00
Col8	12	-0.15	21.18	-0.47	3.32	2.00	2.65	0.01	0.14	0.75	0.00
Col8	13	-0.33	21.18	-0.47	3.32	2.00	2.65	0.02	0.14	0.74	0.00
Col8	14	0.00	21.18	-0.47	3.32	2.00	2.65	0.00	0.14	0.75	0.00
Col8	15	-0.19	21.18	-0.47	3.32	2.00	2.65	0.01	0.14	0.74	0.00
Col8	16	0.56	6.79	-0.35	3.32	1.50	2.65	0.08	0.11	0.65	0.00
Col8	17	0.42	6.79	-0.35	3.32	1.50	2.65	0.06	0.11	0.63	0.00
Col8	18	0.45	6.79	-0.35	3.32	1.50	2.65	0.07	0.11	0.63	0.00
Col8	19	0.31	6.79	-0.35	3.32	1.50	2.65	0.05	0.11	0.61	0.00

Col8	20	0.39	6.79	-0.35	3.32	1.50	2.65	0.06	0.11	0.62	0.00
Col8	21	0.25	6.79	-0.35	3.32	1.50	2.65	0.04	0.11	0.60	0.00
Col8	22	0.28	6.79	-0.35	3.32	1.50	2.65	0.04	0.11	0.61	0.00
Col8	23	0.14	6.79	-0.35	3.32	1.50	2.65	0.02	0.11	0.59	0.00
Col8	24	0.39	6.79	-0.35	3.32	1.50	2.65	0.06	0.11	0.62	0.00
Col8	25	0.25	6.79	-0.35	3.32	1.50	2.65	0.04	0.11	0.60	0.00
Col8	26	0.28	6.79	-0.35	3.32	1.50	2.65	0.04	0.11	0.61	0.00
Col8	27	0.14	6.79	-0.35	3.32	1.50	2.65	0.02	0.11	0.59	0.00
Col8	28	-0.17	21.18	0.42	3.32	-1.80	2.65	0.01	0.13	0.67	0.00
Col8	29	-0.36	21.18	0.42	3.32	-1.80	2.65	0.02	0.13	0.66	0.00
Col8	30	-0.17	21.18	-0.47	3.32	2.00	2.65	0.01	0.14	0.75	0.00
Col8	31	-0.36	21.18	-0.47	3.32	2.00	2.65	0.02	0.14	0.74	0.00
Col8	32	-0.17	21.18	-0.47	3.32	2.00	2.65	0.01	0.14	0.75	0.00
Col8	33	-0.36	21.18	-0.47	3.32	2.00	2.65	0.02	0.14	0.74	0.00
Col8	34	-0.03	21.18	-0.47	3.32	2.00	2.65	0.00	0.14	0.75	0.00
Col8	35	-0.22	21.18	-0.47	3.32	2.00	2.65	0.01	0.14	0.74	0.00
Col8	36	0.13	6.79	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col8	37	0.13	6.79	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col8	38	0.65	6.79	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col8	39	0.65	6.79	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col8	40	0.48	6.79	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col8	41	0.48	6.79	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col8	42	0.48	6.79	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col8	43	0.48	6.79	0.00	3.32	0.00	2.65	0.07	0.00	0.07	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	0.68	6.79	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col8	47	0.46	6.79	-0.35	3.32	1.50	2.65	0.07	0.11	0.63	0.00
Col8	48	0.32	6.79	-0.35	3.32	1.50	2.65	0.05	0.11	0.61	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	0.77	6.79	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col8	54	0.61	6.79	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col8	55	0.61	6.79	-0.35	3.32	1.50	2.65	0.09	0.11	0.65	0.00
Col8	56	0.61	6.79	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col19	1	0.82	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	0.59	7.01	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col19	4	0.59	7.01	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col19	5	0.65	7.01	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col19	6	0.48	7.01	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col19	7	0.48	7.01	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col19	8	-0.15	21.18	0.42	3.32	-1.76	2.65	0.01	0.13	0.66	0.00
Col19	9	-0.33	21.18	0.42	3.32	-1.76	2.65	0.02	0.13	0.65	0.00
Col19	10	-0.15	21.18	-0.46	3.32	1.95	2.65	0.01	0.14	0.73	0.00
Col19	11	-0.33	21.18	-0.46	3.32	1.95	2.65	0.02	0.14	0.72	0.00
Col19	12	-0.15	21.18	-0.46	3.32	1.95	2.65	0.01	0.14	0.73	0.00
Col19	13	-0.33	21.18	-0.46	3.32	1.95	2.65	0.02	0.14	0.72	0.00
Col19	14	0.00	21.18	-0.46	3.32	1.95	2.65	0.00	0.14	0.74	0.00
Col19	15	-0.19	21.18	-0.46	3.32	1.95	2.65	0.01	0.14	0.73	0.00
Col19	16	0.56	7.01	-0.35	3.32	1.46	2.65	0.08	0.11	0.63	0.00
Col19	17	0.42	7.01	-0.35	3.32	1.46	2.65	0.06	0.11	0.61	0.00
Col19	18	0.45	7.01	-0.35	3.32	1.46	2.65	0.06	0.11	0.62	0.00
Col19	19	0.31	7.01	-0.35	3.32	1.46	2.65	0.04	0.11	0.60	0.00
Col19	20	0.39	7.01	-0.35	3.32	1.46	2.65	0.06	0.11	0.61	0.00
Col19	21	0.25	7.01	-0.35	3.32	1.46	2.65	0.04	0.11	0.59	0.00
Col19	22	0.28	7.01	-0.35	3.32	1.46	2.65	0.04	0.11	0.59	0.00
Col19	23	0.14	7.01	-0.35	3.32	1.46	2.65	0.02	0.11	0.57	0.00
Col19	24	0.39	7.01	-0.35	3.32	1.46	2.65	0.06	0.11	0.61	0.00
Col19	25	0.25	7.01	-0.35	3.32	1.46	2.65	0.04	0.11	0.59	0.00
Col19	26	0.28	7.01	-0.35	3.32	1.46	2.65	0.04	0.11	0.59	0.00
Col19	27	0.14	7.01	-0.35	3.32	1.46	2.65	0.02	0.11	0.57	0.00
Col19	28	-0.17	21.18	0.42	3.32	-1.76	2.65	0.01	0.13	0.66	0.00

Col9	29	-0.36	21.18	0.42	3.32	-1.76	2.65	0.02	0.13	0.65	0.00
Col9	30	-0.17	21.18	-0.46	3.32	1.95	2.65	0.01	0.14	0.73	0.00
Col9	31	-0.36	21.18	-0.46	3.32	1.95	2.65	0.02	0.14	0.72	0.00
Col9	32	-0.17	21.18	-0.46	3.32	1.95	2.65	0.01	0.14	0.73	0.00
Col9	33	-0.36	21.18	-0.46	3.32	1.95	2.65	0.02	0.14	0.72	0.00
Col9	34	-0.03	21.18	-0.46	3.32	1.95	2.65	0.00	0.14	0.73	0.00
Col9	35	-0.22	21.18	-0.46	3.32	1.95	2.65	0.01	0.14	0.73	0.00
Col9	36	0.13	7.01	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col9	37	0.13	7.01	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col9	38	0.65	7.01	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col9	39	0.65	7.01	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col9	40	0.48	7.01	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col9	41	0.48	7.01	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col9	42	0.48	7.01	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col9	43	0.48	7.01	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col9	44	0.08	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	0.68	7.01	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col9	47	0.46	7.01	-0.35	3.32	1.46	2.65	0.06	0.11	0.62	0.00
Col9	48	0.32	7.01	-0.35	3.32	1.46	2.65	0.04	0.11	0.60	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	0.77	7.01	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col9	54	0.61	7.01	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col9	55	0.61	7.01	-0.35	3.32	1.46	2.65	0.09	0.11	0.64	0.00
Col9	56	0.61	7.01	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col10	1	0.82	7.23	0.00	3.32	0.00	2.65	0.11	0.00	0.11	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	0.59	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col10	4	0.59	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col10	5	0.65	7.23	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col10	6	0.48	7.23	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col10	7	0.48	7.23	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col10	8	-0.15	21.18	0.41	3.32	-1.71	2.65	0.01	0.12	0.64	0.00
Col10	9	-0.33	21.18	0.41	3.32	-1.71	2.65	0.02	0.12	0.63	0.00
Col10	10	-0.15	21.18	-0.46	3.32	1.90	2.65	0.01	0.14	0.71	0.00
Col10	11	-0.33	21.18	-0.46	3.32	1.90	2.65	0.02	0.14	0.70	0.00
Col10	12	-0.15	21.18	-0.46	3.32	1.90	2.65	0.01	0.14	0.71	0.00
Col10	13	-0.33	21.18	-0.46	3.32	1.90	2.65	0.02	0.14	0.70	0.00
Col10	14	0.00	21.18	-0.46	3.32	1.90	2.65	0.00	0.14	0.72	0.00
Col10	15	-0.19	21.18	-0.46	3.32	1.90	2.65	0.01	0.14	0.71	0.00
Col10	16	0.56	7.23	-0.34	3.32	1.42	2.65	0.08	0.10	0.62	0.00
Col10	17	0.42	7.23	-0.34	3.32	1.42	2.65	0.06	0.10	0.60	0.00
Col10	18	0.45	7.23	-0.34	3.32	1.42	2.65	0.06	0.10	0.60	0.00
Col10	19	0.31	7.23	-0.34	3.32	1.42	2.65	0.04	0.10	0.58	0.00
Col10	20	0.39	7.23	-0.34	3.32	1.42	2.65	0.05	0.10	0.59	0.00
Col10	21	0.25	7.23	-0.34	3.32	1.42	2.65	0.03	0.10	0.57	0.00
Col10	22	0.28	7.23	-0.34	3.32	1.42	2.65	0.04	0.10	0.58	0.00
Col10	23	0.14	7.23	-0.34	3.32	1.42	2.65	0.02	0.10	0.56	0.00
Col10	24	0.39	7.23	-0.34	3.32	1.42	2.65	0.05	0.10	0.59	0.00
Col10	25	0.25	7.23	-0.34	3.32	1.42	2.65	0.03	0.10	0.57	0.00
Col10	26	0.28	7.23	-0.34	3.32	1.42	2.65	0.04	0.10	0.58	0.00
Col10	27	0.14	7.23	-0.34	3.32	1.42	2.65	0.02	0.10	0.56	0.00
Col10	28	-0.18	21.18	0.41	3.32	-1.71	2.65	0.01	0.12	0.64	0.00
Col10	29	-0.36	21.18	0.41	3.32	-1.71	2.65	0.02	0.12	0.63	0.00
Col10	30	-0.18	21.18	-0.46	3.32	1.90	2.65	0.01	0.14	0.71	0.00
Col10	31	-0.36	21.18	-0.46	3.32	1.90	2.65	0.02	0.14	0.70	0.00
Col10	32	-0.18	21.18	-0.46	3.32	1.90	2.65	0.01	0.14	0.71	0.00
Col10	33	-0.36	21.18	-0.46	3.32	1.90	2.65	0.02	0.14	0.70	0.00
Col10	34	-0.03	21.18	-0.46	3.32	1.90	2.65	0.00	0.14	0.72	0.00
Col10	35	-0.22	21.18	-0.46	3.32	1.90	2.65	0.01	0.14	0.71	0.00
Col10	36	0.13	7.23	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col10	37	0.13	7.23	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00

Col10	38	0.65	7.23	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col10	39	0.65	7.23	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col10	40	0.48	7.23	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col10	41	0.48	7.23	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col10	42	0.48	7.23	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col10	43	0.48	7.23	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col10	44	0.08	7.23	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col10	45	0.08	7.23	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col10	46	0.68	7.23	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col10	47	0.46	7.23	-0.34	3.32	1.42	2.65	0.06	0.10	0.60	0.00
Col10	48	0.32	7.23	-0.34	3.32	1.42	2.65	0.04	0.10	0.58	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	0.76	7.23	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col10	54	0.60	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col10	55	0.60	7.23	-0.34	3.32	1.42	2.65	0.08	0.10	0.62	0.00
Col10	56	0.60	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col11	1	0.82	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	0.59	7.45	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col11	4	0.59	7.45	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col11	5	0.65	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col11	6	0.48	7.45	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col11	7	0.48	7.45	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col11	8	-0.15	21.18	0.41	3.32	-1.67	2.65	0.01	0.12	0.62	0.00
Col11	9	-0.33	21.18	0.41	3.32	-1.67	2.65	0.02	0.12	0.62	0.00
Col11	10	-0.15	21.18	-0.45	3.32	1.85	2.65	0.01	0.14	0.69	0.00
Col11	11	-0.33	21.18	-0.45	3.32	1.85	2.65	0.02	0.14	0.68	0.00
Col11	12	-0.15	21.18	-0.45	3.32	1.85	2.65	0.01	0.14	0.69	0.00
Col11	13	-0.33	21.18	-0.45	3.32	1.85	2.65	0.02	0.14	0.68	0.00
Col11	14	-0.01	21.18	-0.45	3.32	1.85	2.65	0.00	0.14	0.70	0.00
Col11	15	-0.19	21.18	-0.45	3.32	1.85	2.65	0.01	0.14	0.69	0.00
Col11	16	0.56	7.45	-0.34	3.32	1.39	2.65	0.07	0.10	0.60	0.00
Col11	17	0.42	7.45	-0.34	3.32	1.39	2.65	0.06	0.10	0.58	0.00
Col11	18	0.45	7.45	-0.34	3.32	1.39	2.65	0.06	0.10	0.58	0.00
Col11	19	0.31	7.45	-0.34	3.32	1.39	2.65	0.04	0.10	0.57	0.00
Col11	20	0.39	7.45	-0.34	3.32	1.39	2.65	0.05	0.10	0.58	0.00
Col11	21	0.25	7.45	-0.34	3.32	1.39	2.65	0.03	0.10	0.56	0.00
Col11	22	0.28	7.45	-0.34	3.32	1.39	2.65	0.04	0.10	0.56	0.00
Col11	23	0.14	7.45	-0.34	3.32	1.39	2.65	0.02	0.10	0.54	0.00
Col11	24	0.39	7.45	-0.34	3.32	1.39	2.65	0.05	0.10	0.58	0.00
Col11	25	0.25	7.45	-0.34	3.32	1.39	2.65	0.03	0.10	0.56	0.00
Col11	26	0.28	7.45	-0.34	3.32	1.39	2.65	0.04	0.10	0.56	0.00
Col11	27	0.14	7.45	-0.34	3.32	1.39	2.65	0.02	0.10	0.54	0.00
Col11	28	-0.18	21.18	0.41	3.32	-1.67	2.65	0.01	0.12	0.62	0.00
Col11	29	-0.36	21.18	0.41	3.32	-1.67	2.65	0.02	0.12	0.61	0.00
Col11	30	-0.18	21.18	-0.45	3.32	1.85	2.65	0.01	0.14	0.69	0.00
Col11	31	-0.36	21.18	-0.45	3.32	1.85	2.65	0.02	0.14	0.68	0.00
Col11	32	-0.18	21.18	-0.45	3.32	1.85	2.65	0.01	0.14	0.69	0.00
Col11	33	-0.36	21.18	-0.45	3.32	1.85	2.65	0.02	0.14	0.68	0.00
Col11	34	-0.03	21.18	-0.45	3.32	1.85	2.65	0.00	0.14	0.70	0.00
Col11	35	-0.22	21.18	-0.45	3.32	1.85	2.65	0.01	0.14	0.69	0.00
Col11	36	0.13	7.45	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col11	37	0.13	7.45	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col11	38	0.65	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col11	39	0.65	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col11	40	0.48	7.45	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col11	41	0.48	7.45	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col11	42	0.48	7.45	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col11	43	0.48	7.45	0.00	3.32	0.00	2.65	0.06	0.00	0.06	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	0.68	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00

Col11	47	0.45	7.45	-0.34	3.32	1.39	2.65	0.06	0.10	0.59	0.00
Col11	48	0.31	7.45	-0.34	3.32	1.39	2.65	0.04	0.10	0.57	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	0.65	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col11	54	0.52	7.45	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col11	55	0.52	7.45	-0.34	3.32	1.39	2.65	0.07	0.10	0.59	0.00
Col11	56	0.52	7.45	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col12	1	0.82	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	0.59	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col12	4	0.59	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col12	5	0.65	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col12	6	0.48	7.66	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col12	7	0.48	7.66	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col12	8	-0.15	21.18	0.40	3.32	-1.63	2.65	0.01	0.12	0.61	0.00
Col12	9	-0.33	21.18	0.40	3.32	-1.63	2.65	0.02	0.12	0.60	0.00
Col12	10	-0.15	21.18	-0.47	3.32	1.89	2.65	0.01	0.14	0.71	0.00
Col12	11	-0.33	21.18	-0.47	3.32	1.89	2.65	0.02	0.14	0.70	0.00
Col12	12	-0.15	21.18	-0.47	3.32	1.89	2.65	0.01	0.14	0.71	0.00
Col12	13	-0.33	21.18	-0.47	3.32	1.89	2.65	0.02	0.14	0.70	0.00
Col12	14	-0.01	21.18	-0.47	3.32	1.89	2.65	0.00	0.14	0.71	0.00
Col12	15	-0.19	21.18	-0.47	3.32	1.89	2.65	0.01	0.14	0.71	0.00
Col12	16	0.56	7.66	-0.35	3.32	1.42	2.65	0.07	0.11	0.61	0.00
Col12	17	0.42	7.66	-0.35	3.32	1.42	2.65	0.05	0.11	0.59	0.00
Col12	18	0.45	7.66	-0.35	3.32	1.42	2.65	0.06	0.11	0.59	0.00
Col12	19	0.31	7.66	-0.35	3.32	1.42	2.65	0.04	0.11	0.58	0.00
Col12	20	0.39	7.66	-0.35	3.32	1.42	2.65	0.05	0.11	0.59	0.00
Col12	21	0.25	7.66	-0.35	3.32	1.42	2.65	0.03	0.11	0.57	0.00
Col12	22	0.28	7.66	-0.35	3.32	1.42	2.65	0.04	0.11	0.57	0.00
Col12	23	0.14	7.66	-0.35	3.32	1.42	2.65	0.02	0.11	0.55	0.00
Col12	24	0.39	7.66	-0.35	3.32	1.42	2.65	0.05	0.11	0.59	0.00
Col12	25	0.25	7.66	-0.35	3.32	1.42	2.65	0.03	0.11	0.57	0.00
Col12	26	0.28	7.66	-0.35	3.32	1.42	2.65	0.04	0.11	0.57	0.00
Col12	27	0.14	7.66	-0.35	3.32	1.42	2.65	0.02	0.11	0.55	0.00
Col12	28	-0.18	21.18	0.40	3.32	-1.63	2.65	0.01	0.12	0.61	0.00
Col12	29	-0.36	21.18	0.40	3.32	-1.63	2.65	0.02	0.12	0.60	0.00
Col12	30	-0.18	21.18	-0.47	3.32	1.89	2.65	0.01	0.14	0.71	0.00
Col12	31	-0.36	21.18	-0.47	3.32	1.89	2.65	0.02	0.14	0.70	0.00
Col12	32	-0.18	21.18	-0.47	3.32	1.89	2.65	0.01	0.14	0.71	0.00
Col12	33	-0.36	21.18	-0.47	3.32	1.89	2.65	0.02	0.14	0.70	0.00
Col12	34	-0.03	21.18	-0.47	3.32	1.89	2.65	0.00	0.14	0.71	0.00
Col12	35	-0.22	21.18	-0.47	3.32	1.89	2.65	0.01	0.14	0.70	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	0.65	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col12	39	0.65	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col12	40	0.48	7.66	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col12	41	0.48	7.66	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col12	42	0.48	7.66	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col12	43	0.48	7.66	0.00	3.32	0.00	2.65	0.06	0.00	0.06	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	0.68	7.66	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col12	47	0.45	7.66	-0.35	3.32	1.42	2.65	0.06	0.11	0.60	0.00
Col12	48	0.31	7.66	-0.35	3.32	1.42	2.65	0.04	0.11	0.58	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	0.59	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col12	54	0.48	7.66	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col12	55	0.48	7.66	-0.35	3.32	1.42	2.65	0.06	0.11	0.60	0.00

Col12 56 0.48 7.66 0.00 3.32 0.00 2.65 0.06 0.00 0.06 0.00

COLUMN REACTIONS:

Id	Load		In_Plane	Out_Plane
	Id	Vert(k )	Horz(k )	Horz(k )
Col2	1	0.82	0.00	0.00
Col2	2	0.13	0.00	0.00
Col2	3	0.59	0.00	0.00
Col2	4	0.59	0.00	0.00
Col2	5	0.65	0.00	0.00
Col2	6	0.48	0.00	0.00
Col2	7	0.48	0.00	0.00
Col2	8	-0.33	0.00	-0.40
Col2	9	-0.15	0.00	-0.40
Col2	10	-0.33	0.00	0.47
Col2	11	-0.15	0.00	0.47
Col2	12	-0.33	0.00	0.47
Col2	13	-0.15	0.00	0.47
Col2	14	-0.19	0.00	0.47
Col2	15	-0.01	0.00	0.47
Col2	16	0.42	0.00	0.35
Col2	17	0.56	0.00	0.35
Col2	18	0.31	0.00	0.35
Col2	19	0.45	0.00	0.35
Col2	20	0.25	0.00	0.35
Col2	21	0.39	0.00	0.35
Col2	22	0.14	0.00	0.35
Col2	23	0.28	0.00	0.35
Col2	24	0.25	0.00	0.35
Col2	25	0.39	0.00	0.35
Col2	26	0.14	0.00	0.35
Col2	27	0.28	0.00	0.35
Col2	28	-0.36	0.00	-0.40
Col2	29	-0.18	0.00	-0.40
Col2	30	-0.36	0.00	0.47
Col2	31	-0.18	0.00	0.47
Col2	32	-0.36	0.00	0.47
Col2	33	-0.18	0.00	0.47
Col2	34	-0.22	0.00	0.47
Col2	35	-0.03	0.00	0.47
Col2	36	0.13	0.00	0.00
Col2	37	0.13	0.00	0.00
Col2	38	0.65	0.00	0.00
Col2	39	0.65	0.00	0.00
Col2	40	0.48	0.00	0.00
Col2	41	0.48	0.00	0.00
Col2	42	0.48	0.00	0.00
Col2	43	0.48	0.00	0.00
Col2	44	0.08	0.00	0.00
Col2	45	0.08	0.00	0.00
Col2	46	0.68	0.00	0.00
Col2	47	0.31	0.00	0.35
Col2	48	0.45	0.00	0.35
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	0.59	0.00	0.00
Col2	54	0.48	0.00	0.00
Col2	55	0.48	0.00	0.35
Col2	56	0.48	0.00	0.00
Col3	1	0.82	0.00	0.00
Col3	2	0.13	0.00	0.00

Col3	3	0.59	0.00	0.00
Col3	4	0.59	0.00	0.00
Col3	5	0.65	0.00	0.00
Col3	6	0.48	0.00	0.00
Col3	7	0.48	0.00	0.00
Col3	8	-0.33	0.00	-0.41
Col3	9	-0.15	0.00	-0.41
Col3	10	-0.33	0.00	0.45
Col3	11	-0.15	0.00	0.45
Col3	12	-0.33	0.00	0.45
Col3	13	-0.15	0.00	0.45
Col3	14	-0.19	0.00	0.45
Col3	15	-0.01	0.00	0.45
Col3	16	0.42	0.00	0.34
Col3	17	0.56	0.00	0.34
Col3	18	0.31	0.00	0.34
Col3	19	0.45	0.00	0.34
Col3	20	0.25	0.00	0.34
Col3	21	0.39	0.00	0.34
Col3	22	0.14	0.00	0.34
Col3	23	0.28	0.00	0.34
Col3	24	0.25	0.00	0.34
Col3	25	0.39	0.00	0.34
Col3	26	0.14	0.00	0.34
Col3	27	0.28	0.00	0.34
Col3	28	-0.36	0.00	-0.41
Col3	29	-0.18	0.00	-0.41
Col3	30	-0.36	0.00	0.45
Col3	31	-0.18	0.00	0.45
Col3	32	-0.36	0.00	0.45
Col3	33	-0.18	0.00	0.45
Col3	34	-0.22	0.00	0.45
Col3	35	-0.03	0.00	0.45
Col3	36	0.13	0.00	0.00
Col3	37	0.13	0.00	0.00
Col3	38	0.65	0.00	0.00
Col3	39	0.65	0.00	0.00
Col3	40	0.48	0.00	0.00
Col3	41	0.48	0.00	0.00
Col3	42	0.48	0.00	0.00
Col3	43	0.48	0.00	0.00
Col3	44	0.08	0.00	0.00
Col3	45	0.08	0.00	0.00
Col3	46	0.68	0.00	0.00
Col3	47	0.31	0.00	0.34
Col3	48	0.45	0.00	0.34
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	0.65	0.00	0.00
Col3	54	0.52	0.00	0.00
Col3	55	0.52	0.00	0.34
Col3	56	0.52	0.00	0.00
Col4	1	0.82	0.00	0.00
Col4	2	0.13	0.00	0.00
Col4	3	0.59	0.00	0.00
Col4	4	0.59	0.00	0.00
Col4	5	0.65	0.00	0.00
Col4	6	0.48	0.00	0.00
Col4	7	0.48	0.00	0.00
Col4	8	-0.33	0.00	-0.41
Col4	9	-0.15	0.00	-0.41
Col4	10	-0.33	0.00	0.46
Col4	11	-0.15	0.00	0.46

Col4	12	-0.33	0.00	0.46
Col4	13	-0.15	0.00	0.46
Col4	14	-0.19	0.00	0.46
Col4	15	0.00	0.00	0.46
Col4	16	0.42	0.00	0.34
Col4	17	0.56	0.00	0.34
Col4	18	0.31	0.00	0.34
Col4	19	0.45	0.00	0.34
Col4	20	0.25	0.00	0.34
Col4	21	0.39	0.00	0.34
Col4	22	0.14	0.00	0.34
Col4	23	0.28	0.00	0.34
Col4	24	0.25	0.00	0.34
Col4	25	0.39	0.00	0.34
Col4	26	0.14	0.00	0.34
Col4	27	0.28	0.00	0.34
Col4	28	-0.36	0.00	-0.41
Col4	29	-0.18	0.00	-0.41
Col4	30	-0.36	0.00	0.46
Col4	31	-0.18	0.00	0.46
Col4	32	-0.36	0.00	0.46
Col4	33	-0.18	0.00	0.46
Col4	34	-0.22	0.00	0.46
Col4	35	-0.03	0.00	0.46
Col4	36	0.13	0.00	0.00
Col4	37	0.13	0.00	0.00
Col4	38	0.65	0.00	0.00
Col4	39	0.65	0.00	0.00
Col4	40	0.48	0.00	0.00
Col4	41	0.48	0.00	0.00
Col4	42	0.48	0.00	0.00
Col4	43	0.48	0.00	0.00
Col4	44	0.08	0.00	0.00
Col4	45	0.08	0.00	0.00
Col4	46	0.68	0.00	0.00
Col4	47	0.32	0.00	0.34
Col4	48	0.46	0.00	0.34
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	0.76	0.00	0.00
Col4	54	0.60	0.00	0.00
Col4	55	0.60	0.00	0.34
Col4	56	0.60	0.00	0.00
Col5	1	0.82	0.00	0.00
Col5	2	0.13	0.00	0.00
Col5	3	0.59	0.00	0.00
Col5	4	0.59	0.00	0.00
Col5	5	0.65	0.00	0.00
Col5	6	0.48	0.00	0.00
Col5	7	0.48	0.00	0.00
Col5	8	-0.33	0.00	-0.42
Col5	9	-0.15	0.00	-0.42
Col5	10	-0.33	0.00	0.46
Col5	11	-0.15	0.00	0.46
Col5	12	-0.33	0.00	0.46
Col5	13	-0.15	0.00	0.46
Col5	14	-0.19	0.00	0.46
Col5	15	0.00	0.00	0.46
Col5	16	0.42	0.00	0.35
Col5	17	0.56	0.00	0.35
Col5	18	0.31	0.00	0.35
Col5	19	0.45	0.00	0.35
Col5	20	0.25	0.00	0.35



Col5	21	0.39	0.00	0.35
Col5	22	0.14	0.00	0.35
Col5	23	0.28	0.00	0.35
Col5	24	0.25	0.00	0.35
Col5	25	0.39	0.00	0.35
Col5	26	0.14	0.00	0.35
Col5	27	0.28	0.00	0.35
Col5	28	-0.36	0.00	-0.42
Col5	29	-0.17	0.00	-0.42
Col5	30	-0.36	0.00	0.46
Col5	31	-0.17	0.00	0.46
Col5	32	-0.36	0.00	0.46
Col5	33	-0.17	0.00	0.46
Col5	34	-0.22	0.00	0.46
Col5	35	-0.03	0.00	0.46
Col5	36	0.13	0.00	0.00
Col5	37	0.13	0.00	0.00
Col5	38	0.65	0.00	0.00
Col5	39	0.65	0.00	0.00
Col5	40	0.48	0.00	0.00
Col5	41	0.48	0.00	0.00
Col5	42	0.48	0.00	0.00
Col5	43	0.48	0.00	0.00
Col5	44	0.09	0.00	0.00
Col5	45	0.08	0.00	0.00
Col5	46	0.68	0.00	0.00
Col5	47	0.32	0.00	0.35
Col5	48	0.46	0.00	0.35
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	0.77	0.00	0.00
Col5	54	0.61	0.00	0.00
Col5	55	0.61	0.00	0.35
Col5	56	0.61	0.00	0.00
Col6	1	0.82	0.00	0.00
Col6	2	0.13	0.00	0.00
Col6	3	0.59	0.00	0.00
Col6	4	0.59	0.00	0.00
Col6	5	0.65	0.00	0.00
Col6	6	0.48	0.00	0.00
Col6	7	0.48	0.00	0.00
Col6	8	-0.33	0.00	-0.42
Col6	9	-0.15	0.00	-0.42
Col6	10	-0.33	0.00	0.47
Col6	11	-0.15	0.00	0.47
Col6	12	-0.33	0.00	0.47
Col6	13	-0.15	0.00	0.47
Col6	14	-0.19	0.00	0.47
Col6	15	0.00	0.00	0.47
Col6	16	0.42	0.00	0.35
Col6	17	0.56	0.00	0.35
Col6	18	0.31	0.00	0.35
Col6	19	0.45	0.00	0.35
Col6	20	0.25	0.00	0.35
Col6	21	0.39	0.00	0.35
Col6	22	0.14	0.00	0.35
Col6	23	0.28	0.00	0.35
Col6	24	0.25	0.00	0.35
Col6	25	0.39	0.00	0.35
Col6	26	0.14	0.00	0.35
Col6	27	0.28	0.00	0.35
Col6	28	-0.36	0.00	-0.42
Col6	29	-0.17	0.00	-0.42

Col6	30	-0.36	0.00	0.47
Col6	31	-0.17	0.00	0.47
Col6	32	-0.36	0.00	0.47
Col6	33	-0.17	0.00	0.47
Col6	34	-0.22	0.00	0.47
Col6	35	-0.03	0.00	0.47
Col6	36	0.13	0.00	0.00
Col6	37	0.13	0.00	0.00
Col6	38	0.65	0.00	0.00
Col6	39	0.65	0.00	0.00
Col6	40	0.48	0.00	0.00
Col6	41	0.48	0.00	0.00
Col6	42	0.48	0.00	0.00
Col6	43	0.48	0.00	0.00
Col6	44	0.09	0.00	0.00
Col6	45	0.09	0.00	0.00
Col6	46	0.68	0.00	0.00
Col6	47	0.32	0.00	0.35
Col6	48	0.46	0.00	0.35
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	0.77	0.00	0.00
Col6	54	0.61	0.00	0.00
Col6	55	0.61	0.00	0.35
Col6	56	0.61	0.00	0.00
Col7	1	0.82	0.00	0.00
Col7	2	0.13	0.00	0.00
Col7	3	0.59	0.00	0.00
Col7	4	0.59	0.00	0.00
Col7	5	0.65	0.00	0.00
Col7	6	0.48	0.00	0.00
Col7	7	0.48	0.00	0.00
Col7	8	-0.23	0.00	0.00
Col7	9	-0.23	0.00	0.00
Col7	10	-0.23	0.00	0.00
Col7	11	-0.23	0.00	0.00
Col7	12	-0.23	0.00	0.00
Col7	13	-0.23	0.00	0.00
Col7	14	-0.09	0.00	0.00
Col7	15	-0.09	0.00	0.00
Col7	16	0.49	0.00	0.00
Col7	17	0.49	0.00	0.00
Col7	18	0.39	0.00	0.00
Col7	19	0.39	0.00	0.00
Col7	20	0.32	0.00	0.00
Col7	21	0.32	0.00	0.00
Col7	22	0.22	0.00	0.00
Col7	23	0.22	0.00	0.00
Col7	24	0.32	0.00	0.00
Col7	25	0.32	0.00	0.00
Col7	26	0.22	0.00	0.00
Col7	27	0.22	0.00	0.00
Col7	28	-0.26	0.00	0.00
Col7	29	-0.26	0.00	0.00
Col7	30	-0.26	0.00	0.00
Col7	31	-0.26	0.00	0.00
Col7	32	-0.26	0.00	0.00
Col7	33	-0.26	0.00	0.00
Col7	34	-0.12	0.00	0.00
Col7	35	-0.12	0.00	0.00
Col7	36	0.13	0.00	0.00
Col7	37	0.13	0.00	0.00
Col7	38	0.65	0.00	0.00

Col7	39	0.65	0.00	0.00
Col7	40	0.48	0.00	0.00
Col7	41	0.48	0.00	0.00
Col7	42	0.48	0.00	0.00
Col7	43	0.48	0.00	0.00
Col7	44	0.08	0.00	0.00
Col7	45	0.08	0.00	0.00
Col7	46	0.67	0.00	0.00
Col7	47	0.38	0.00	0.00
Col7	48	0.38	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	0.75	0.00	0.00
Col7	54	0.60	0.00	0.00
Col7	55	0.60	0.00	0.00
Col7	56	0.60	0.00	0.00
Col8	1	0.82	0.00	0.00
Col8	2	0.13	0.00	0.00
Col8	3	0.59	0.00	0.00
Col8	4	0.59	0.00	0.00
Col8	5	0.65	0.00	0.00
Col8	6	0.48	0.00	0.00
Col8	7	0.48	0.00	0.00
Col8	8	-0.15	0.00	-0.42
Col8	9	-0.33	0.00	-0.42
Col8	10	-0.15	0.00	0.47
Col8	11	-0.33	0.00	0.47
Col8	12	-0.15	0.00	0.47
Col8	13	-0.33	0.00	0.47
Col8	14	0.00	0.00	0.47
Col8	15	-0.19	0.00	0.47
Col8	16	0.56	0.00	0.35
Col8	17	0.42	0.00	0.35
Col8	18	0.45	0.00	0.35
Col8	19	0.31	0.00	0.35
Col8	20	0.39	0.00	0.35
Col8	21	0.25	0.00	0.35
Col8	22	0.28	0.00	0.35
Col8	23	0.14	0.00	0.35
Col8	24	0.39	0.00	0.35
Col8	25	0.25	0.00	0.35
Col8	26	0.28	0.00	0.35
Col8	27	0.14	0.00	0.35
Col8	28	-0.17	0.00	-0.42
Col8	29	-0.36	0.00	-0.42
Col8	30	-0.17	0.00	0.47
Col8	31	-0.36	0.00	0.47
Col8	32	-0.17	0.00	0.47
Col8	33	-0.36	0.00	0.47
Col8	34	-0.03	0.00	0.47
Col8	35	-0.22	0.00	0.47
Col8	36	0.13	0.00	0.00
Col8	37	0.13	0.00	0.00
Col8	38	0.65	0.00	0.00
Col8	39	0.65	0.00	0.00
Col8	40	0.48	0.00	0.00
Col8	41	0.48	0.00	0.00
Col8	42	0.48	0.00	0.00
Col8	43	0.48	0.00	0.00
Col8	44	0.09	0.00	0.00
Col8	45	0.09	0.00	0.00
Col8	46	0.68	0.00	0.00
Col8	47	0.46	0.00	0.35

Col8	48	0.32	0.00	0.35
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	0.77	0.00	0.00
Col8	54	0.61	0.00	0.00
Col8	55	0.61	0.00	0.35
Col8	56	0.61	0.00	0.00
Col9	1	0.82	0.00	0.00
Col9	2	0.13	0.00	0.00
Col9	3	0.59	0.00	0.00
Col9	4	0.59	0.00	0.00
Col9	5	0.65	0.00	0.00
Col9	6	0.48	0.00	0.00
Col9	7	0.48	0.00	0.00
Col9	8	-0.15	0.00	-0.42
Col9	9	-0.33	0.00	-0.42
Col9	10	-0.15	0.00	0.46
Col9	11	-0.33	0.00	0.46
Col9	12	-0.15	0.00	0.46
Col9	13	-0.33	0.00	0.46
Col9	14	0.00	0.00	0.46
Col9	15	-0.19	0.00	0.46
Col9	16	0.56	0.00	0.35
Col9	17	0.42	0.00	0.35
Col9	18	0.45	0.00	0.35
Col9	19	0.31	0.00	0.35
Col9	20	0.39	0.00	0.35
Col9	21	0.25	0.00	0.35
Col9	22	0.28	0.00	0.35
Col9	23	0.14	0.00	0.35
Col9	24	0.39	0.00	0.35
Col9	25	0.25	0.00	0.35
Col9	26	0.28	0.00	0.35
Col9	27	0.14	0.00	0.35
Col9	28	-0.17	0.00	-0.42
Col9	29	-0.36	0.00	-0.42
Col9	30	-0.17	0.00	0.46
Col9	31	-0.36	0.00	0.46
Col9	32	-0.17	0.00	0.46
Col9	33	-0.36	0.00	0.46
Col9	34	-0.03	0.00	0.46
Col9	35	-0.22	0.00	0.46
Col9	36	0.13	0.00	0.00
Col9	37	0.13	0.00	0.00
Col9	38	0.65	0.00	0.00
Col9	39	0.65	0.00	0.00
Col9	40	0.48	0.00	0.00
Col9	41	0.48	0.00	0.00
Col9	42	0.48	0.00	0.00
Col9	43	0.48	0.00	0.00
Col9	44	0.08	0.00	0.00
Col9	45	0.09	0.00	0.00
Col9	46	0.68	0.00	0.00
Col9	47	0.46	0.00	0.35
Col9	48	0.32	0.00	0.35
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	0.77	0.00	0.00
Col9	54	0.61	0.00	0.00
Col9	55	0.61	0.00	0.35
Col9	56	0.61	0.00	0.00

Col10	1	0.82	0.00	0.00
Col10	2	0.13	0.00	0.00
Col10	3	0.59	0.00	0.00
Col10	4	0.59	0.00	0.00
Col10	5	0.65	0.00	0.00
Col10	6	0.48	0.00	0.00
Col10	7	0.48	0.00	0.00
Col10	8	-0.15	0.00	-0.41
Col10	9	-0.33	0.00	-0.41
Col10	10	-0.15	0.00	0.46
Col10	11	-0.33	0.00	0.46
Col10	12	-0.15	0.00	0.46
Col10	13	-0.33	0.00	0.46
Col10	14	0.00	0.00	0.46
Col10	15	-0.19	0.00	0.46
Col10	16	0.56	0.00	0.34
Col10	17	0.42	0.00	0.34
Col10	18	0.45	0.00	0.34
Col10	19	0.31	0.00	0.34
Col10	20	0.39	0.00	0.34
Col10	21	0.25	0.00	0.34
Col10	22	0.28	0.00	0.34
Col10	23	0.14	0.00	0.34
Col10	24	0.39	0.00	0.34
Col10	25	0.25	0.00	0.34
Col10	26	0.28	0.00	0.34
Col10	27	0.14	0.00	0.34
Col10	28	-0.18	0.00	-0.41
Col10	29	-0.36	0.00	-0.41
Col10	30	-0.18	0.00	0.46
Col10	31	-0.36	0.00	0.46
Col10	32	-0.18	0.00	0.46
Col10	33	-0.36	0.00	0.46
Col10	34	-0.03	0.00	0.46
Col10	35	-0.22	0.00	0.46
Col10	36	0.13	0.00	0.00
Col10	37	0.13	0.00	0.00
Col10	38	0.65	0.00	0.00
Col10	39	0.65	0.00	0.00
Col10	40	0.48	0.00	0.00
Col10	41	0.48	0.00	0.00
Col10	42	0.48	0.00	0.00
Col10	43	0.48	0.00	0.00
Col10	44	0.08	0.00	0.00
Col10	45	0.08	0.00	0.00
Col10	46	0.68	0.00	0.00
Col10	47	0.46	0.00	0.34
Col10	48	0.32	0.00	0.34
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	0.76	0.00	0.00
Col10	54	0.60	0.00	0.00
Col10	55	0.60	0.00	0.34
Col10	56	0.60	0.00	0.00
Col11	1	0.82	0.00	0.00
Col11	2	0.13	0.00	0.00
Col11	3	0.59	0.00	0.00
Col11	4	0.59	0.00	0.00
Col11	5	0.65	0.00	0.00
Col11	6	0.48	0.00	0.00
Col11	7	0.48	0.00	0.00
Col11	8	-0.15	0.00	-0.41
Col11	9	-0.33	0.00	-0.41

Col11	10	-0.15	0.00	0.45
Col11	11	-0.33	0.00	0.45
Col11	12	-0.15	0.00	0.45
Col11	13	-0.33	0.00	0.45
Col11	14	-0.01	0.00	0.45
Col11	15	-0.19	0.00	0.45
Col11	16	0.56	0.00	0.34
Col11	17	0.42	0.00	0.34
Col11	18	0.45	0.00	0.34
Col11	19	0.31	0.00	0.34
Col11	20	0.39	0.00	0.34
Col11	21	0.25	0.00	0.34
Col11	22	0.28	0.00	0.34
Col11	23	0.14	0.00	0.34
Col11	24	0.39	0.00	0.34
Col11	25	0.25	0.00	0.34
Col11	26	0.28	0.00	0.34
Col11	27	0.14	0.00	0.34
Col11	28	-0.18	0.00	-0.41
Col11	29	-0.36	0.00	-0.41
Col11	30	-0.18	0.00	0.45
Col11	31	-0.36	0.00	0.45
Col11	32	-0.18	0.00	0.45
Col11	33	-0.36	0.00	0.45
Col11	34	-0.03	0.00	0.45
Col11	35	-0.22	0.00	0.45
Col11	36	0.13	0.00	0.00
Col11	37	0.13	0.00	0.00
Col11	38	0.65	0.00	0.00
Col11	39	0.65	0.00	0.00
Col11	40	0.48	0.00	0.00
Col11	41	0.48	0.00	0.00
Col11	42	0.48	0.00	0.00
Col11	43	0.48	0.00	0.00
Col11	44	0.08	0.00	0.00
Col11	45	0.08	0.00	0.00
Col11	46	0.68	0.00	0.00
Col11	47	0.45	0.00	0.34
Col11	48	0.31	0.00	0.34
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	0.65	0.00	0.00
Col11	54	0.52	0.00	0.00
Col11	55	0.52	0.00	0.34
Col11	56	0.52	0.00	0.00
Col12	1	0.82	0.00	0.00
Col12	2	0.13	0.00	0.00
Col12	3	0.59	0.00	0.00
Col12	4	0.59	0.00	0.00
Col12	5	0.65	0.00	0.00
Col12	6	0.48	0.00	0.00
Col12	7	0.48	0.00	0.00
Col12	8	-0.15	0.00	-0.40
Col12	9	-0.33	0.00	-0.40
Col12	10	-0.15	0.00	0.47
Col12	11	-0.33	0.00	0.47
Col12	12	-0.15	0.00	0.47
Col12	13	-0.33	0.00	0.47
Col12	14	-0.01	0.00	0.47
Col12	15	-0.19	0.00	0.47
Col12	16	0.56	0.00	0.35
Col12	17	0.42	0.00	0.35
Col12	18	0.45	0.00	0.35

Col12	19	0.31	0.00	0.35
Col12	20	0.39	0.00	0.35
Col12	21	0.25	0.00	0.35
Col12	22	0.28	0.00	0.35
Col12	23	0.14	0.00	0.35
Col12	24	0.39	0.00	0.35
Col12	25	0.25	0.00	0.35
Col12	26	0.28	0.00	0.35
Col12	27	0.14	0.00	0.35
Col12	28	-0.18	0.00	-0.40
Col12	29	-0.36	0.00	-0.40
Col12	30	-0.18	0.00	0.47
Col12	31	-0.36	0.00	0.47
Col12	32	-0.18	0.00	0.47
Col12	33	-0.36	0.00	0.47
Col12	34	-0.03	0.00	0.47
Col12	35	-0.22	0.00	0.47
Col12	36	0.13	0.00	0.00
Col12	37	0.13	0.00	0.00
Col12	38	0.65	0.00	0.00
Col12	39	0.65	0.00	0.00
Col12	40	0.48	0.00	0.00
Col12	41	0.48	0.00	0.00
Col12	42	0.48	0.00	0.00
Col12	43	0.48	0.00	0.00
Col12	44	0.08	0.00	0.00
Col12	45	0.08	0.00	0.00
Col12	46	0.68	0.00	0.00
Col12	47	0.45	0.00	0.35
Col12	48	0.31	0.00	0.35
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	0.59	0.00	0.00
Col12	54	0.48	0.00	0.00
Col12	55	0.48	0.00	0.35
Col12	56	0.48	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	-0.69	1.08
Col2	9	-0.69	1.08
Col2	10	0.80	1.08
Col2	11	0.80	1.08
Col2	12	0.80	1.08
Col2	13	0.80	1.08
Col2	14	0.80	1.08
Col2	15	0.80	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	-0.69	1.08
Col2	29	-0.69	1.08
Col2	30	0.80	1.08
Col2	31	0.80	1.08
Col2	32	0.80	1.08
Col2	33	0.80	1.08
Col2	34	0.80	1.08
Col2	35	0.80	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	-0.72	1.09
Col3	9	-0.72	1.09
Col3	10	0.80	1.09
Col3	11	0.80	1.09
Col3	12	0.80	1.09
Col3	13	0.80	1.09
Col3	14	0.80	1.09
Col3	15	0.80	1.09
Col3	16	0.60	1.09
Col3	17	0.60	1.09
Col3	18	0.60	1.09
Col3	19	0.60	1.09
Col3	20	0.60	1.09
Col3	21	0.60	1.09
Col3	22	0.60	1.09
Col3	23	0.60	1.09
Col3	24	0.60	1.09
Col3	25	0.60	1.09
Col3	26	0.60	1.09
Col3	27	0.60	1.09
Col3	28	-0.72	1.09
Col3	29	-0.72	1.09
Col3	30	0.80	1.09
Col3	31	0.80	1.09
Col3	32	0.80	1.09
Col3	33	0.80	1.09
Col3	34	0.80	1.09



Col3	35	0.80	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	0.36	1.09
Col3	48	0.36	1.09
Col3	49	0.00	1.09
Col3	50	0.00	1.09
Col3	51	0.60	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	-0.76	1.10
Col4	9	-0.76	1.10
Col4	10	0.84	1.10
Col4	11	0.84	1.10
Col4	12	0.84	1.10
Col4	13	0.84	1.10
Col4	14	0.84	1.10
Col4	15	0.84	1.10
Col4	16	0.63	1.10
Col4	17	0.63	1.10
Col4	18	0.63	1.10
Col4	19	0.63	1.10
Col4	20	0.63	1.10
Col4	21	0.63	1.10
Col4	22	0.63	1.10
Col4	23	0.63	1.10
Col4	24	0.63	1.10
Col4	25	0.63	1.10
Col4	26	0.63	1.10
Col4	27	0.63	1.10
Col4	28	-0.76	1.10
Col4	29	-0.76	1.10
Col4	30	0.84	1.10
Col4	31	0.84	1.10
Col4	32	0.84	1.10
Col4	33	0.84	1.10
Col4	34	0.84	1.10
Col4	35	0.84	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	0.38	1.10

Col4	48	0.38	1.10
Col4	49	0.00	1.10
Col4	50	0.00	1.10
Col4	51	0.63	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	-0.80	1.12
Col5	9	-0.80	1.12
Col5	10	0.89	1.12
Col5	11	0.89	1.12
Col5	12	0.89	1.12
Col5	13	0.89	1.12
Col5	14	0.89	1.12
Col5	15	0.89	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	-0.80	1.12
Col5	29	-0.80	1.12
Col5	30	0.89	1.12
Col5	31	0.89	1.12
Col5	32	0.89	1.12
Col5	33	0.89	1.12
Col5	34	0.89	1.12
Col5	35	0.89	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	-0.84	1.13

Col6	9	-0.84	1.13
Col6	10	0.93	1.13
Col6	11	0.93	1.13
Col6	12	0.93	1.13
Col6	13	0.93	1.13
Col6	14	0.93	1.13
Col6	15	0.93	1.13
Col6	16	0.70	1.13
Col6	17	0.70	1.13
Col6	18	0.70	1.13
Col6	19	0.70	1.13
Col6	20	0.70	1.13
Col6	21	0.70	1.13
Col6	22	0.70	1.13
Col6	23	0.70	1.13
Col6	24	0.70	1.13
Col6	25	0.70	1.13
Col6	26	0.70	1.13
Col6	27	0.70	1.13
Col6	28	-0.84	1.13
Col6	29	-0.84	1.13
Col6	30	0.93	1.13
Col6	31	0.93	1.13
Col6	32	0.93	1.13
Col6	33	0.93	1.13
Col6	34	0.93	1.13
Col6	35	0.93	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	0.42	1.13
Col6	48	0.42	1.13
Col6	49	0.00	1.13
Col6	50	0.00	1.13
Col6	51	0.70	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	-0.84	1.13
Col8	9	-0.84	1.13
Col8	10	0.93	1.13
Col8	11	0.93	1.13
Col8	12	0.93	1.13
Col8	13	0.93	1.13
Col8	14	0.93	1.13
Col8	15	0.93	1.13
Col8	16	0.70	1.13
Col8	17	0.70	1.13
Col8	18	0.70	1.13
Col8	19	0.70	1.13
Col8	20	0.70	1.13
Col8	21	0.70	1.13
Col8	22	0.70	1.13
Col8	23	0.70	1.13
Col8	24	0.70	1.13
Col8	25	0.70	1.13
Col8	26	0.70	1.13
Col8	27	0.70	1.13
Col8	28	-0.84	1.13
Col8	29	-0.84	1.13
Col8	30	0.93	1.13
Col8	31	0.93	1.13
Col8	32	0.93	1.13
Col8	33	0.93	1.13
Col8	34	0.93	1.13

Col8	35	0.93	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	0.42	1.13
Col8	48	0.42	1.13
Col8	49	0.00	1.13
Col8	50	0.00	1.13
Col8	51	0.70	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	-0.80	1.12
Col9	9	-0.80	1.12
Col9	10	0.89	1.12
Col9	11	0.89	1.12
Col9	12	0.89	1.12
Col9	13	0.89	1.12
Col9	14	0.89	1.12
Col9	15	0.89	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	-0.80	1.12
Col9	29	-0.80	1.12
Col9	30	0.89	1.12
Col9	31	0.89	1.12
Col9	32	0.89	1.12
Col9	33	0.89	1.12
Col9	34	0.89	1.12
Col9	35	0.89	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	-0.76	1.10
Col10	9	-0.76	1.10
Col10	10	0.84	1.10
Col10	11	0.84	1.10
Col10	12	0.84	1.10
Col10	13	0.84	1.10
Col10	14	0.84	1.10
Col10	15	0.84	1.10
Col10	16	0.63	1.10
Col10	17	0.63	1.10
Col10	18	0.63	1.10
Col10	19	0.63	1.10
Col10	20	0.63	1.10
Col10	21	0.63	1.10
Col10	22	0.63	1.10
Col10	23	0.63	1.10
Col10	24	0.63	1.10
Col10	25	0.63	1.10
Col10	26	0.63	1.10
Col10	27	0.63	1.10
Col10	28	-0.76	1.10
Col10	29	-0.76	1.10
Col10	30	0.84	1.10
Col10	31	0.84	1.10
Col10	32	0.84	1.10
Col10	33	0.84	1.10
Col10	34	0.84	1.10
Col10	35	0.84	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	0.38	1.10
Col10	48	0.38	1.10
Col10	49	0.00	1.10
Col10	50	0.00	1.10
Col10	51	0.63	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	-0.72	1.09

Col11	9	-0.72	1.09
Col11	10	0.80	1.09
Col11	11	0.80	1.09
Col11	12	0.80	1.09
Col11	13	0.80	1.09
Col11	14	0.80	1.09
Col11	15	0.80	1.09
Col11	16	0.60	1.09
Col11	17	0.60	1.09
Col11	18	0.60	1.09
Col11	19	0.60	1.09
Col11	20	0.60	1.09
Col11	21	0.60	1.09
Col11	22	0.60	1.09
Col11	23	0.60	1.09
Col11	24	0.60	1.09
Col11	25	0.60	1.09
Col11	26	0.60	1.09
Col11	27	0.60	1.09
Col11	28	-0.72	1.09
Col11	29	-0.72	1.09
Col11	30	0.80	1.09
Col11	31	0.80	1.09
Col11	32	0.80	1.09
Col11	33	0.80	1.09
Col11	34	0.80	1.09
Col11	35	0.80	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	0.36	1.09
Col11	48	0.36	1.09
Col11	49	0.00	1.09
Col11	50	0.00	1.09
Col11	51	0.60	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	-0.69	1.08
Col12	9	-0.69	1.08
Col12	10	0.80	1.08
Col12	11	0.80	1.08
Col12	12	0.80	1.08
Col12	13	0.80	1.08
Col12	14	0.80	1.08
Col12	15	0.80	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	-0.69	1.08
Col12	29	-0.69	1.08
Col12	30	0.80	1.08
Col12	31	0.80	1.08
Col12	32	0.80	1.08
Col12	33	0.80	1.08
Col12	34	0.80	1.08
Col12	35	0.80	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	-0.09	3.32	-0.10	2.65	0.04	0.00	0.60
		WS	0.11	3.32	0.12	2.65	0.05	0.00	0.60
2	1	WP	-0.09	3.32	-0.10	2.65	0.04	0.00	0.60
		WS	0.10	3.32	0.11	2.65	0.04	0.00	0.60
	3	WP	-0.09	3.32	-0.10	2.65	0.04	0.00	0.60
		WS	0.10	3.32	0.12	2.65	0.04	0.00	0.60
3	1	WP	-0.09	3.32	-0.10	2.65	0.04	0.00	0.60
		WS	0.10	3.32	0.11	2.65	0.04	0.00	0.60
	3	WP	-0.09	3.32	-0.11	2.65	0.04	0.00	0.60
		WS	0.10	3.32	0.12	2.65	0.04	0.00	0.60
4	1	WP	-0.09	3.32	-0.10	2.65	0.04	0.00	0.60
		WS	0.10	3.32	0.11	2.65	0.04	0.00	0.60
	3	WP	-0.10	3.32	-0.11	2.65	0.04	0.00	0.60
		WS	0.11	3.32	0.12	2.65	0.05	0.00	0.60

5	1	WP	-0.09	3.32	-0.10	2.65	0.04	0.00	0.60
		WS	0.10	3.32	0.11	2.65	0.04	0.00	0.60
	3	WP	-0.10	3.32	-0.11	2.65	0.04	0.00	0.60
		WS	0.11	3.32	0.12	2.65	0.05	0.00	0.60
6	1	WP	-0.09	3.32	-0.10	2.65	0.04	0.00	0.60
		WS	0.10	3.32	0.11	2.65	0.04	0.00	0.60
	3	WP	-0.10	3.32	-0.11	2.65	0.04	0.00	0.60
		WS	0.11	3.32	0.13	2.65	0.05	0.00	0.60
7	1	WP	-0.09	3.32	-0.10	2.65	0.04	0.00	0.60
		WS	0.10	3.32	0.11	2.65	0.04	0.00	0.60
	3	WP	-0.10	3.32	-0.11	2.65	0.04	0.00	0.60
		WS	0.11	3.32	0.13	2.65	0.05	0.00	0.60
8	1	WP	-0.09	3.32	-0.10	2.65	0.04	0.00	0.60
		WS	0.10	3.32	0.11	2.65	0.04	0.00	0.60
	3	WP	-0.10	3.32	-0.11	2.65	0.04	0.00	0.60
		WS	0.11	3.32	0.12	2.65	0.05	0.00	0.60
9	1	WP	-0.09	3.32	-0.10	2.65	0.04	0.00	0.60
		WS	0.10	3.32	0.11	2.65	0.04	0.00	0.60
	3	WP	-0.10	3.32	-0.11	2.65	0.04	0.00	0.60
		WS	0.11	3.32	0.12	2.65	0.05	0.00	0.60
10	1	WP	-0.09	3.32	-0.10	2.65	0.04	0.00	0.60
		WS	0.10	3.32	0.11	2.65	0.04	0.00	0.60
	3	WP	-0.09	3.32	-0.11	2.65	0.04	0.00	0.60
		WS	0.10	3.32	0.12	2.65	0.04	0.00	0.60
11	1	WP	-0.09	3.32	-0.10	2.65	0.04	0.00	0.60
		WS	0.10	3.32	0.11	2.65	0.04	0.00	0.60
	3	WP	-0.09	3.32	-0.10	2.65	0.04	0.00	0.60
		WS	0.10	3.32	0.12	2.65	0.04	0.00	0.60
12	1	WP	-0.09	3.32	-0.11	2.65	0.04	0.00	0.62
		WS	0.11	3.32	0.13	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 &amp; DEFLECTION:

Span Id	Locate (ft)		Load	-----Moment (ft-lb/ft)-----						Deflect (in)		
	Start	End		Start Calc Limit	Midspan Calc Limit	End Calc Limit	Max UC	Calc	Limit			
1	0.00	4.00	WP	0.0	49.1	-15.1	49.1	21.9	38.1	0.57	-0.15	0.80
			WS	0.0	38.1	20.1	38.1	-29.2	49.1	0.59	0.20	0.80
2	4.00	8.00	WP	21.9	38.1	-8.2	49.1	11.8	38.1	0.57	-0.06	0.80
			WS	-29.2	49.1	11.0	38.1	-15.8	49.1	0.59	0.08	0.80
3	8.00	12.00	WP	11.8	38.1	-4.7	49.1	30.2	38.1	0.79	0.00	0.80
			WS	-15.8	49.1	6.2	38.1	-40.2	49.1	0.82	-0.01	0.80
4	12.00	17.02	WP	30.2	38.1	-25.5	49.1	0.0	38.1	0.79	-0.42	1.00
			WS	-40.2	49.1	34.0	38.1	0.0	38.1	0.89	0.56	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	6.00	54.00	6	4.00	4.51	0.059	4.00
2	Lt Edge	0.00	6.00	1	4.00	4.00	0.059	4.00
3	Rt Edge	54.00	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	16.56	0.07	0.22	0.61	0.77	0.34
2	1.00	16.56	0.07	0.22	0.61	0.77	0.30
3	1.00	16.56	0.07	0.22	0.61	0.77	0.30

## WALL LAYOUT:

Wall Id	Orn	Load Width
2	L	2.50

## MEMBER LAYOUT:

Id	Locate (ft)	Part	---Web (in)--- Depth	Thick	-Flange (in)- Width	Thick	Length (ft)	Weight (lb)	----Max_Load---- Id UC	Report
Col14	0.0	6X2C16	6.00	16ga	2.00	16ga	15.9	34.8	17 0.48	Mom+Axl
Col15	13.8	6X2C16	6.00	16ga	2.00	16ga	15.9	34.8	1 0.08	Mom+Axl
Col16	27.8	6X2C16	6.00	16ga	2.00	16ga	15.9	34.8	1 0.08	Mom+Axl
Col17	41.8	6X2C16	6.00	16ga	2.00	16ga	15.9	34.8	1 0.08	Mom+Axl
Col18	55.8	6X2C16	6.00	16ga	2.00	16ga	15.9	34.8	1 0.08	Mom+Axl
Col19	69.8	6X2C16	6.00	16ga	2.00	16ga	15.9	34.8	1 0.08	Mom+Axl
Col20	83.5	6X2C16	6.00	16ga	2.00	16ga	15.9	34.8	17 0.48	Mom+Axl
Raf1		PB6EC	6.13	16ga	2.06	16ga	27.8	58.3		
Raf2		PB6EC	6.13	16ga	2.06	16ga	28.0	58.8		
Raf3		PB6EC	6.13	16ga	2.06	16ga	27.8	58.3		
Total=								418.7		

## 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+
Col14	1	0.44	1.40	0.00	3.32	0.00	0.48	0.31	0.00	0.31	0.00
Col14	2	0.09	1.40	0.00	3.32	0.00	0.48	0.07	0.00	0.07	0.00
Col14	3	0.32	1.40	0.00	3.32	0.00	0.48	0.23	0.00	0.23	0.00
Col14	4	0.32	1.40	0.00	3.32	0.00	0.48	0.23	0.00	0.23	0.00
Col14	5	0.35	1.40	0.00	3.32	0.00	0.48	0.25	0.00	0.25	0.00
Col14	6	0.26	1.40	0.00	3.32	0.00	0.48	0.19	0.00	0.19	0.00
Col14	7	0.26	1.40	0.00	3.32	0.00	0.48	0.19	0.00	0.19	0.00
Col14	8	-0.14	21.18	0.03	3.32	-0.14	0.48	0.01	0.01	0.28	0.00
Col14	9	-0.05	21.18	0.03	3.32	-0.14	0.48	0.00	0.01	0.29	0.00
Col14	10	-0.14	21.18	-0.04	3.32	0.16	0.48	0.01	0.01	0.34	0.00
Col14	11	-0.05	21.18	-0.04	3.32	0.16	0.48	0.00	0.01	0.34	0.00
Col14	12	-0.14	21.18	-0.04	3.32	0.16	0.48	0.01	0.01	0.34	0.00
Col14	13	-0.05	21.18	-0.04	3.32	0.16	0.48	0.00	0.01	0.34	0.00
Col14	14	-0.07	21.18	-0.04	3.32	0.16	0.48	0.00	0.01	0.34	0.00
Col14	15	0.02	1.40	-0.04	3.32	0.16	0.48	0.02	0.01	0.36	0.00
Col14	16	0.24	1.40	-0.03	3.32	0.12	0.48	0.17	0.01	0.43	0.00
Col14	17	0.31	1.40	-0.03	3.32	0.12	0.48	0.22	0.01	0.48	0.00
Col14	18	0.18	1.40	-0.03	3.32	0.12	0.48	0.13	0.01	0.39	0.00
Col14	19	0.25	1.40	-0.03	3.32	0.12	0.48	0.18	0.01	0.44	0.00
Col14	20	0.15	1.40	-0.03	3.32	0.12	0.48	0.11	0.01	0.36	0.00
Col14	21	0.22	1.40	-0.03	3.32	0.12	0.48	0.16	0.01	0.41	0.00
Col14	22	0.10	1.40	-0.03	3.32	0.12	0.48	0.07	0.01	0.33	0.00
Col14	23	0.17	1.40	-0.03	3.32	0.12	0.48	0.12	0.01	0.38	0.00
Col14	24	0.15	1.40	-0.03	3.32	0.12	0.48	0.11	0.01	0.36	0.00
Col14	25	0.22	1.40	-0.03	3.32	0.12	0.48	0.16	0.01	0.41	0.00
Col14	26	0.10	1.40	-0.03	3.32	0.12	0.48	0.07	0.01	0.33	0.00
Col14	27	0.17	1.40	-0.03	3.32	0.12	0.48	0.12	0.01	0.38	0.00
Col14	28	-0.15	21.18	0.03	3.32	-0.14	0.48	0.01	0.01	0.28	0.00
Col14	29	-0.06	21.18	0.03	3.32	-0.14	0.48	0.00	0.01	0.29	0.00
Col14	30	-0.15	21.18	-0.04	3.32	0.16	0.48	0.01	0.01	0.33	0.00

Col14	31	-0.06	21.18	-0.04	3.32	0.16	0.48	0.00	0.01	0.34	0.00
Col14	32	-0.15	21.18	-0.04	3.32	0.16	0.48	0.01	0.01	0.33	0.00
Col14	33	-0.06	21.18	-0.04	3.32	0.16	0.48	0.00	0.01	0.34	0.00
Col14	34	-0.08	21.18	-0.04	3.32	0.16	0.48	0.00	0.01	0.34	0.00
Col14	35	0.01	1.40	-0.04	3.32	0.16	0.48	0.01	0.01	0.35	0.00
Col14	36	0.09	1.40	0.00	3.32	0.00	0.48	0.07	0.00	0.07	0.00
Col14	37	0.09	1.40	0.00	3.32	0.00	0.48	0.07	0.00	0.07	0.00
Col14	38	0.35	1.40	0.00	3.32	0.00	0.48	0.25	0.00	0.25	0.00
Col14	39	0.35	1.40	0.00	3.32	0.00	0.48	0.25	0.00	0.25	0.00
Col14	40	0.27	1.40	0.00	3.32	0.00	0.48	0.19	0.00	0.19	0.00
Col14	41	0.27	1.40	0.00	3.32	0.00	0.48	0.19	0.00	0.19	0.00
Col14	42	0.27	1.40	0.00	3.32	0.00	0.48	0.19	0.00	0.19	0.00
Col14	43	0.27	1.40	0.00	3.32	0.00	0.48	0.19	0.00	0.19	0.00
Col14	44	0.07	1.40	0.00	3.32	0.00	0.48	0.05	0.00	0.05	0.00
Col14	45	0.07	1.40	0.00	3.32	0.00	0.48	0.05	0.00	0.05	0.00
Col14	46	0.37	1.40	0.00	3.32	0.00	0.48	0.26	0.00	0.26	0.00
Col14	47	0.18	1.40	-0.03	3.32	0.12	0.48	0.13	0.01	0.39	0.00
Col14	48	0.25	1.40	-0.03	3.32	0.12	0.48	0.18	0.01	0.44	0.00
Col14	49	0.09	1.40	0.00	3.32	0.00	0.48	0.07	0.00	0.07	0.00
Col14	50	0.09	1.40	0.00	3.32	0.00	0.48	0.07	0.00	0.07	0.00
Col14	51	0.07	1.40	0.00	3.32	0.00	0.48	0.05	0.00	0.05	0.00
Col14	52	0.07	1.40	0.00	3.32	0.00	0.48	0.05	0.00	0.05	0.00
Col14	53	0.32	1.40	0.00	3.32	0.00	0.48	0.23	0.00	0.23	0.00
Col14	54	0.27	1.40	0.00	3.32	0.00	0.48	0.19	0.00	0.19	0.00
Col14	55	0.27	1.40	-0.03	3.32	0.12	0.48	0.19	0.01	0.45	0.00
Col14	56	0.27	1.40	0.00	3.32	0.00	0.48	0.19	0.00	0.19	0.00
Col15	1	0.84	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	0.62	10.49	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col15	4	0.62	10.49	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col15	5	0.67	10.49	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col15	6	0.50	10.49	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col15	7	0.50	10.49	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col15	8	-0.32	21.18	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col15	9	-0.13	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col15	10	-0.32	21.18	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col15	11	-0.13	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col15	12	-0.32	21.18	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col15	13	-0.13	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col15	14	-0.17	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col15	15	0.01	10.49	0.00	3.32	0.00	2.65	0.00	0.00	0.00	0.00
Col15	16	0.44	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	0.06	0.00	0.06	0.00
Col15	18	0.33	10.49	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col15	19	0.47	10.49	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col15	20	0.27	10.49	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col15	21	0.41	10.49	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col15	22	0.16	10.49	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col15	23	0.30	10.49	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col15	24	0.27	10.49	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col15	25	0.41	10.49	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col15	26	0.16	10.49	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col15	27	0.30	10.49	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col15	28	-0.35	21.18	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col15	29	-0.16	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col15	30	-0.35	21.18	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col15	31	-0.16	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col15	32	-0.35	21.18	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col15	33	-0.16	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col15	34	-0.20	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col15	35	-0.01	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	0.67	10.49	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col15	39	0.67	10.49	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00









Col19	11	-0.13	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col19	12	-0.32	21.18	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col19	13	-0.13	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col19	14	-0.17	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col19	15	0.01	10.49	0.00	3.32	0.00	2.65	0.00	0.00	0.00	0.00
Col19	16	0.44	10.49	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col19	17	0.58	10.49	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col19	18	0.33	10.49	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col19	19	0.47	10.49	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col19	20	0.27	10.49	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col19	21	0.41	10.49	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col19	22	0.16	10.49	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col19	23	0.30	10.49	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col19	24	0.27	10.49	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col19	25	0.41	10.49	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col19	26	0.16	10.49	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col19	27	0.30	10.49	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col19	28	-0.35	21.18	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col19	29	-0.16	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col19	30	-0.35	21.18	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col19	31	-0.16	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col19	32	-0.35	21.18	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col19	33	-0.16	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col19	34	-0.20	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col19	35	-0.01	21.18	0.00	3.32	0.00	2.65	0.00	0.00	0.00	0.00
Col19	36	0.15	10.49	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col19	37	0.15	10.49	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col19	38	0.67	10.49	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col19	39	0.67	10.49	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col19	40	0.50	10.49	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col19	41	0.50	10.49	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col19	42	0.50	10.49	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col19	43	0.50	10.49	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col19	44	0.10	10.49	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col19	45	0.10	10.49	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col19	46	0.71	10.49	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col19	47	0.34	10.49	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col19	48	0.48	10.49	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col19	49	0.15	10.49	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col19	50	0.15	10.49	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col19	51	0.11	10.49	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col19	52	0.11	10.49	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col19	53	0.62	10.49	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col19	54	0.50	10.49	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col19	55	0.50	10.49	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col19	56	0.50	10.49	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col20	1	0.44	1.40	0.00	3.32	0.00	0.48	0.31	0.00	0.31	0.00
Col20	2	0.09	1.40	0.00	3.32	0.00	0.48	0.07	0.00	0.07	0.00
Col20	3	0.32	1.40	0.00	3.32	0.00	0.48	0.23	0.00	0.23	0.00
Col20	4	0.32	1.40	0.00	3.32	0.00	0.48	0.23	0.00	0.23	0.00
Col20	5	0.35	1.40	0.00	3.32	0.00	0.48	0.25	0.00	0.25	0.00
Col20	6	0.26	1.40	0.00	3.32	0.00	0.48	0.19	0.00	0.19	0.00
Col20	7	0.26	1.40	0.00	3.32	0.00	0.48	0.19	0.00	0.19	0.00
Col20	8	-0.14	21.18	0.03	3.32	-0.14	0.48	0.01	0.01	0.28	0.00
Col20	9	-0.05	21.18	0.03	3.32	-0.14	0.48	0.00	0.01	0.29	0.00
Col20	10	-0.14	21.18	-0.04	3.32	0.16	0.48	0.01	0.01	0.34	0.00
Col20	11	-0.05	21.18	-0.04	3.32	0.16	0.48	0.00	0.01	0.34	0.00
Col20	12	-0.14	21.18	-0.04	3.32	0.16	0.48	0.01	0.01	0.34	0.00
Col20	13	-0.05	21.18	-0.04	3.32	0.16	0.48	0.00	0.01	0.34	0.00
Col20	14	-0.07	21.18	-0.04	3.32	0.16	0.48	0.00	0.01	0.34	0.00
Col20	15	0.02	1.40	-0.04	3.32	0.16	0.48	0.02	0.01	0.36	0.00
Col20	16	0.24	1.40	-0.03	3.32	0.12	0.48	0.17	0.01	0.43	0.00
Col20	17	0.31	1.40	-0.03	3.32	0.12	0.48	0.22	0.01	0.48	0.00
Col20	18	0.18	1.40	-0.03	3.32	0.12	0.48	0.13	0.01	0.39	0.00
Col20	19	0.25	1.40	-0.03	3.32	0.12	0.48	0.18	0.01	0.44	0.00

Col20	20	0.15	1.40	-0.03	3.32	0.12	0.48	0.11	0.01	0.36	0.00
Col20	21	0.22	1.40	-0.03	3.32	0.12	0.48	0.16	0.01	0.41	0.00
Col20	22	0.10	1.40	-0.03	3.32	0.12	0.48	0.07	0.01	0.33	0.00
Col20	23	0.17	1.40	-0.03	3.32	0.12	0.48	0.12	0.01	0.38	0.00
Col20	24	0.15	1.40	-0.03	3.32	0.12	0.48	0.11	0.01	0.36	0.00
Col20	25	0.22	1.40	-0.03	3.32	0.12	0.48	0.16	0.01	0.41	0.00
Col20	26	0.10	1.40	-0.03	3.32	0.12	0.48	0.07	0.01	0.33	0.00
Col20	27	0.17	1.40	-0.03	3.32	0.12	0.48	0.12	0.01	0.38	0.00
Col20	28	-0.15	21.18	0.03	3.32	-0.14	0.48	0.01	0.01	0.28	0.00
Col20	29	-0.06	21.18	0.03	3.32	-0.14	0.48	0.00	0.01	0.29	0.00
Col20	30	-0.15	21.18	-0.04	3.32	0.16	0.48	0.01	0.01	0.33	0.00
Col20	31	-0.06	21.18	-0.04	3.32	0.16	0.48	0.00	0.01	0.34	0.00
Col20	32	-0.15	21.18	-0.04	3.32	0.16	0.48	0.01	0.01	0.33	0.00
Col20	33	-0.06	21.18	-0.04	3.32	0.16	0.48	0.00	0.01	0.34	0.00
Col20	34	-0.08	21.18	-0.04	3.32	0.16	0.48	0.00	0.01	0.34	0.00
Col20	35	0.01	1.40	-0.04	3.32	0.16	0.48	0.01	0.01	0.35	0.00
Col20	36	0.09	1.40	0.00	3.32	0.00	0.48	0.07	0.00	0.07	0.00
Col20	37	0.09	1.40	0.00	3.32	0.00	0.48	0.07	0.00	0.07	0.00
Col20	38	0.35	1.40	0.00	3.32	0.00	0.48	0.25	0.00	0.25	0.00
Col20	39	0.35	1.40	0.00	3.32	0.00	0.48	0.25	0.00	0.25	0.00
Col20	40	0.27	1.40	0.00	3.32	0.00	0.48	0.19	0.00	0.19	0.00
Col20	41	0.27	1.40	0.00	3.32	0.00	0.48	0.19	0.00	0.19	0.00
Col20	42	0.27	1.40	0.00	3.32	0.00	0.48	0.19	0.00	0.19	0.00
Col20	43	0.27	1.40	0.00	3.32	0.00	0.48	0.19	0.00	0.19	0.00
Col20	44	0.07	1.40	0.00	3.32	0.00	0.48	0.05	0.00	0.05	0.00
Col20	45	0.07	1.40	0.00	3.32	0.00	0.48	0.05	0.00	0.05	0.00
Col20	46	0.37	1.40	0.00	3.32	0.00	0.48	0.26	0.00	0.26	0.00
Col20	47	0.18	1.40	-0.03	3.32	0.12	0.48	0.13	0.01	0.39	0.00
Col20	48	0.25	1.40	-0.03	3.32	0.12	0.48	0.18	0.01	0.44	0.00
Col20	49	0.09	1.40	0.00	3.32	0.00	0.48	0.07	0.00	0.07	0.00
Col20	50	0.09	1.40	0.00	3.32	0.00	0.48	0.07	0.00	0.07	0.00
Col20	51	0.07	1.40	0.00	3.32	0.00	0.48	0.05	0.00	0.05	0.00
Col20	52	0.07	1.40	0.00	3.32	0.00	0.48	0.05	0.00	0.05	0.00
Col20	53	0.32	1.40	0.00	3.32	0.00	0.48	0.23	0.00	0.23	0.00
Col20	54	0.27	1.40	0.00	3.32	0.00	0.48	0.19	0.00	0.19	0.00
Col20	55	0.27	1.40	-0.03	3.32	0.12	0.48	0.19	0.01	0.45	0.00
Col20	56	0.27	1.40	0.00	3.32	0.00	0.48	0.19	0.00	0.19	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
Raf1	13	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf1	14	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf1	15	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf1	16	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf1	17	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf1	18	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf1	19	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf1	20	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf1	21	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf1	22	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf1	23	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf1	24	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf1	25	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf1	26	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf1	27	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00





Raf3	46	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf3	47	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf3	48	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf3	49	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf3	50	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf3	51	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf3	52	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf3	53	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf3	54	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf3	55	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf3	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	Out_Plane
	Id	Vert(k )	Horz(k )	Horz(k )
Col14	1	0.44	0.00	0.00
Col14	2	0.09	0.00	0.00
Col14	3	0.32	0.00	0.00
Col14	4	0.32	0.00	0.00
Col14	5	0.35	0.00	0.00
Col14	6	0.26	0.00	0.00
Col14	7	0.26	0.00	0.00
Col14	8	-0.14	0.00	-0.03
Col14	9	-0.05	0.00	-0.03
Col14	10	-0.14	0.00	0.04
Col14	11	-0.05	0.00	0.04
Col14	12	-0.14	0.00	0.04
Col14	13	-0.05	0.00	0.04
Col14	14	-0.07	0.00	0.04
Col14	15	0.02	0.00	0.04
Col14	16	0.24	0.00	0.03
Col14	17	0.31	0.00	0.03
Col14	18	0.18	0.00	0.03
Col14	19	0.25	0.00	0.03
Col14	20	0.15	0.00	0.03
Col14	21	0.22	0.00	0.03
Col14	22	0.10	0.00	0.03
Col14	23	0.17	0.00	0.03
Col14	24	0.15	0.00	0.03
Col14	25	0.22	0.00	0.03
Col14	26	0.10	0.00	0.03
Col14	27	0.17	0.00	0.03
Col14	28	-0.15	0.00	-0.03
Col14	29	-0.06	0.00	-0.03
Col14	30	-0.15	0.00	0.04
Col14	31	-0.06	0.00	0.04
Col14	32	-0.15	0.00	0.04
Col14	33	-0.06	0.00	0.04
Col14	34	-0.08	0.00	0.04
Col14	35	0.01	0.00	0.04
Col14	36	0.09	0.00	0.00
Col14	37	0.09	0.00	0.00
Col14	38	0.35	0.00	0.00
Col14	39	0.35	0.00	0.00
Col14	40	0.27	0.00	0.00
Col14	41	0.27	0.00	0.00
Col14	42	0.27	0.00	0.00
Col14	43	0.27	0.00	0.00
Col14	44	0.07	0.00	0.00
Col14	45	0.07	0.00	0.00
Col14	46	0.37	0.00	0.00
Col14	47	0.18	0.00	0.03
Col14	48	0.25	0.00	0.03

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	0.32	0.00	0.00
Col14	54	0.27	0.00	0.00
Col14	55	0.27	0.00	0.03
Col14	56	0.27	0.00	0.00
Col15	1	0.84	0.00	0.00
Col15	2	0.15	0.00	0.00
Col15	3	0.62	0.00	0.00
Col15	4	0.62	0.00	0.00
Col15	5	0.67	0.00	0.00
Col15	6	0.50	0.00	0.00
Col15	7	0.50	0.00	0.00
Col15	8	-0.32	0.00	0.00
Col15	9	-0.13	0.00	0.00
Col15	10	-0.32	0.00	0.00
Col15	11	-0.13	0.00	0.00
Col15	12	-0.32	0.00	0.00
Col15	13	-0.13	0.00	0.00
Col15	14	-0.17	0.00	0.00
Col15	15	0.01	0.00	0.00
Col15	16	0.44	0.00	0.00
Col15	17	0.58	0.00	0.00
Col15	18	0.33	0.00	0.00
Col15	19	0.47	0.00	0.00
Col15	20	0.27	0.00	0.00
Col15	21	0.41	0.00	0.00
Col15	22	0.16	0.00	0.00
Col15	23	0.30	0.00	0.00
Col15	24	0.27	0.00	0.00
Col15	25	0.41	0.00	0.00
Col15	26	0.16	0.00	0.00
Col15	27	0.30	0.00	0.00
Col15	28	-0.35	0.00	0.00
Col15	29	-0.16	0.00	0.00
Col15	30	-0.35	0.00	0.00
Col15	31	-0.16	0.00	0.00
Col15	32	-0.35	0.00	0.00
Col15	33	-0.16	0.00	0.00
Col15	34	-0.20	0.00	0.00
Col15	35	-0.01	0.00	0.00
Col15	36	0.15	0.00	0.00
Col15	37	0.15	0.00	0.00
Col15	38	0.67	0.00	0.00
Col15	39	0.67	0.00	0.00
Col15	40	0.50	0.00	0.00
Col15	41	0.50	0.00	0.00
Col15	42	0.50	0.00	0.00
Col15	43	0.50	0.00	0.00
Col15	44	0.10	0.00	0.00
Col15	45	0.10	0.00	0.00
Col15	46	0.71	0.00	0.00
Col15	47	0.34	0.00	0.00
Col15	48	0.48	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	0.62	0.00	0.00
Col15	54	0.50	0.00	0.00
Col15	55	0.50	0.00	0.00
Col15	56	0.50	0.00	0.00
Col16	1	0.85	0.00	0.00

Col16	2	0.15	0.00	0.00
Col16	3	0.62	0.00	0.00
Col16	4	0.62	0.00	0.00
Col16	5	0.68	0.00	0.00
Col16	6	0.50	0.00	0.00
Col16	7	0.50	0.00	0.00
Col16	8	-0.32	0.00	0.00
Col16	9	-0.13	0.00	0.00
Col16	10	-0.32	0.00	0.00
Col16	11	-0.13	0.00	0.00
Col16	12	-0.32	0.00	0.00
Col16	13	-0.13	0.00	0.00
Col16	14	-0.18	0.00	0.00
Col16	15	0.01	0.00	0.00
Col16	16	0.44	0.00	0.00
Col16	17	0.59	0.00	0.00
Col16	18	0.33	0.00	0.00
Col16	19	0.48	0.00	0.00
Col16	20	0.27	0.00	0.00
Col16	21	0.41	0.00	0.00
Col16	22	0.16	0.00	0.00
Col16	23	0.30	0.00	0.00
Col16	24	0.27	0.00	0.00
Col16	25	0.41	0.00	0.00
Col16	26	0.16	0.00	0.00
Col16	27	0.30	0.00	0.00
Col16	28	-0.35	0.00	0.00
Col16	29	-0.16	0.00	0.00
Col16	30	-0.35	0.00	0.00
Col16	31	-0.16	0.00	0.00
Col16	32	-0.35	0.00	0.00
Col16	33	-0.16	0.00	0.00
Col16	34	-0.20	0.00	0.00
Col16	35	-0.01	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	0.51	0.00	0.00
Col16	41	0.51	0.00	0.00
Col16	42	0.51	0.00	0.00
Col16	43	0.51	0.00	0.00
Col16	44	0.10	0.00	0.00
Col16	45	0.10	0.00	0.00
Col16	46	0.71	0.00	0.00
Col16	47	0.34	0.00	0.00
Col16	48	0.48	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	0.62	0.00	0.00
Col16	54	0.50	0.00	0.00
Col16	55	0.50	0.00	0.00
Col16	56	0.51	0.00	0.00
Col17	1	0.85	0.00	0.00
Col17	2	0.15	0.00	0.00
Col17	3	0.62	0.00	0.00
Col17	4	0.62	0.00	0.00
Col17	5	0.68	0.00	0.00
Col17	6	0.50	0.00	0.00
Col17	7	0.50	0.00	0.00
Col17	8	-0.32	0.00	0.00
Col17	9	-0.13	0.00	0.00
Col17	10	-0.32	0.00	0.00



Col17	11	-0.13	0.00	0.00
Col17	12	-0.32	0.00	0.00
Col17	13	-0.13	0.00	0.00
Col17	14	-0.18	0.00	0.00
Col17	15	0.01	0.00	0.00
Col17	16	0.44	0.00	0.00
Col17	17	0.59	0.00	0.00
Col17	18	0.33	0.00	0.00
Col17	19	0.48	0.00	0.00
Col17	20	0.27	0.00	0.00
Col17	21	0.41	0.00	0.00
Col17	22	0.16	0.00	0.00
Col17	23	0.30	0.00	0.00
Col17	24	0.27	0.00	0.00
Col17	25	0.41	0.00	0.00
Col17	26	0.16	0.00	0.00
Col17	27	0.30	0.00	0.00
Col17	28	-0.35	0.00	0.00
Col17	29	-0.16	0.00	0.00
Col17	30	-0.35	0.00	0.00
Col17	31	-0.16	0.00	0.00
Col17	32	-0.35	0.00	0.00
Col17	33	-0.16	0.00	0.00
Col17	34	-0.20	0.00	0.00
Col17	35	-0.01	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	0.51	0.00	0.00
Col17	41	0.51	0.00	0.00
Col17	42	0.51	0.00	0.00
Col17	43	0.51	0.00	0.00
Col17	44	0.10	0.00	0.00
Col17	45	0.10	0.00	0.00
Col17	46	0.71	0.00	0.00
Col17	47	0.34	0.00	0.00
Col17	48	0.48	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	0.62	0.00	0.00
Col17	54	0.50	0.00	0.00
Col17	55	0.50	0.00	0.00
Col17	56	0.51	0.00	0.00
Col18	1	0.85	0.00	0.00
Col18	2	0.15	0.00	0.00
Col18	3	0.62	0.00	0.00
Col18	4	0.62	0.00	0.00
Col18	5	0.68	0.00	0.00
Col18	6	0.50	0.00	0.00
Col18	7	0.50	0.00	0.00
Col18	8	-0.32	0.00	0.00
Col18	9	-0.13	0.00	0.00
Col18	10	-0.32	0.00	0.00
Col18	11	-0.13	0.00	0.00
Col18	12	-0.32	0.00	0.00
Col18	13	-0.13	0.00	0.00
Col18	14	-0.18	0.00	0.00
Col18	15	0.01	0.00	0.00
Col18	16	0.44	0.00	0.00
Col18	17	0.59	0.00	0.00
Col18	18	0.33	0.00	0.00
Col18	19	0.48	0.00	0.00

Col18	20	0.27	0.00	0.00
Col18	21	0.41	0.00	0.00
Col18	22	0.16	0.00	0.00
Col18	23	0.30	0.00	0.00
Col18	24	0.27	0.00	0.00
Col18	25	0.41	0.00	0.00
Col18	26	0.16	0.00	0.00
Col18	27	0.30	0.00	0.00
Col18	28	-0.35	0.00	0.00
Col18	29	-0.16	0.00	0.00
Col18	30	-0.35	0.00	0.00
Col18	31	-0.16	0.00	0.00
Col18	32	-0.35	0.00	0.00
Col18	33	-0.16	0.00	0.00
Col18	34	-0.20	0.00	0.00
Col18	35	-0.01	0.00	0.00
Col18	36	0.15	0.00	0.00
Col18	37	0.15	0.00	0.00
Col18	38	0.68	0.00	0.00
Col18	39	0.68	0.00	0.00
Col18	40	0.51	0.00	0.00
Col18	41	0.51	0.00	0.00
Col18	42	0.51	0.00	0.00
Col18	43	0.51	0.00	0.00
Col18	44	0.10	0.00	0.00
Col18	45	0.10	0.00	0.00
Col18	46	0.71	0.00	0.00
Col18	47	0.34	0.00	0.00
Col18	48	0.48	0.00	0.00
Col18	49	0.15	0.00	0.00
Col18	50	0.15	0.00	0.00
Col18	51	0.11	0.00	0.00
Col18	52	0.11	0.00	0.00
Col18	53	0.62	0.00	0.00
Col18	54	0.50	0.00	0.00
Col18	55	0.50	0.00	0.00
Col18	56	0.51	0.00	0.00
Col19	1	0.84	0.00	0.00
Col19	2	0.15	0.00	0.00
Col19	3	0.62	0.00	0.00
Col19	4	0.62	0.00	0.00
Col19	5	0.67	0.00	0.00
Col19	6	0.50	0.00	0.00
Col19	7	0.50	0.00	0.00
Col19	8	-0.32	0.00	0.00
Col19	9	-0.13	0.00	0.00
Col19	10	-0.32	0.00	0.00
Col19	11	-0.13	0.00	0.00
Col19	12	-0.32	0.00	0.00
Col19	13	-0.13	0.00	0.00
Col19	14	-0.17	0.00	0.00
Col19	15	0.01	0.00	0.00
Col19	16	0.44	0.00	0.00
Col19	17	0.58	0.00	0.00
Col19	18	0.33	0.00	0.00
Col19	19	0.47	0.00	0.00
Col19	20	0.27	0.00	0.00
Col19	21	0.41	0.00	0.00
Col19	22	0.16	0.00	0.00
Col19	23	0.30	0.00	0.00
Col19	24	0.27	0.00	0.00
Col19	25	0.41	0.00	0.00
Col19	26	0.16	0.00	0.00
Col19	27	0.30	0.00	0.00
Col19	28	-0.35	0.00	0.00

Col119	29	-0.16	0.00	0.00
Col119	30	-0.35	0.00	0.00
Col119	31	-0.16	0.00	0.00
Col119	32	-0.35	0.00	0.00
Col119	33	-0.16	0.00	0.00
Col119	34	-0.20	0.00	0.00
Col119	35	-0.01	0.00	0.00
Col119	36	0.15	0.00	0.00
Col119	37	0.15	0.00	0.00
Col119	38	0.67	0.00	0.00
Col119	39	0.67	0.00	0.00
Col119	40	0.50	0.00	0.00
Col119	41	0.50	0.00	0.00
Col119	42	0.50	0.00	0.00
Col119	43	0.50	0.00	0.00
Col119	44	0.10	0.00	0.00
Col119	45	0.10	0.00	0.00
Col119	46	0.71	0.00	0.00
Col119	47	0.34	0.00	0.00
Col119	48	0.48	0.00	0.00
Col119	49	0.15	0.00	0.00
Col119	50	0.15	0.00	0.00
Col119	51	0.11	0.00	0.00
Col119	52	0.11	0.00	0.00
Col119	53	0.62	0.00	0.00
Col119	54	0.50	0.00	0.00
Col119	55	0.50	0.00	0.00
Col119	56	0.50	0.00	0.00
Col120	1	0.44	0.00	0.00
Col120	2	0.09	0.00	0.00
Col120	3	0.32	0.00	0.00
Col120	4	0.32	0.00	0.00
Col120	5	0.35	0.00	0.00
Col120	6	0.26	0.00	0.00
Col120	7	0.26	0.00	0.00
Col120	8	-0.14	0.00	-0.03
Col120	9	-0.05	0.00	-0.03
Col120	10	-0.14	0.00	0.04
Col120	11	-0.05	0.00	0.04
Col120	12	-0.14	0.00	0.04
Col120	13	-0.05	0.00	0.04
Col120	14	-0.07	0.00	0.04
Col120	15	0.02	0.00	0.04
Col120	16	0.24	0.00	0.03
Col120	17	0.31	0.00	0.03
Col120	18	0.18	0.00	0.03
Col120	19	0.25	0.00	0.03
Col120	20	0.15	0.00	0.03
Col120	21	0.22	0.00	0.03
Col120	22	0.10	0.00	0.03
Col120	23	0.17	0.00	0.03
Col120	24	0.15	0.00	0.03
Col120	25	0.22	0.00	0.03
Col120	26	0.10	0.00	0.03
Col120	27	0.17	0.00	0.03
Col120	28	-0.15	0.00	-0.03
Col120	29	-0.06	0.00	-0.03
Col120	30	-0.15	0.00	0.04
Col120	31	-0.06	0.00	0.04
Col120	32	-0.15	0.00	0.04
Col120	33	-0.06	0.00	0.04
Col120	34	-0.08	0.00	0.04
Col120	35	0.01	0.00	0.04
Col120	36	0.09	0.00	0.00
Col120	37	0.09	0.00	0.00

Col20	38	0.35	0.00	0.00
Col20	39	0.35	0.00	0.00
Col20	40	0.27	0.00	0.00
Col20	41	0.27	0.00	0.00
Col20	42	0.27	0.00	0.00
Col20	43	0.27	0.00	0.00
Col20	44	0.07	0.00	0.00
Col20	45	0.07	0.00	0.00
Col20	46	0.37	0.00	0.00
Col20	47	0.18	0.00	0.03
Col20	48	0.25	0.00	0.03
Col20	49	0.09	0.00	0.00
Col20	50	0.09	0.00	0.00
Col20	51	0.07	0.00	0.00
Col20	52	0.07	0.00	0.00
Col20	53	0.32	0.00	0.00
Col20	54	0.27	0.00	0.00
Col20	55	0.27	0.00	0.03
Col20	56	0.27	0.00	0.00

COLUMN DEFLECTIONS:

Id	Load		Deflection(in)	
	Id		Calc	Limit
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		-0.06	1.06
Col14	9		-0.06	1.06
Col14	10		0.07	1.06
Col14	11		0.07	1.06
Col14	12		0.07	1.06
Col14	13		0.07	1.06
Col14	14		0.07	1.06
Col14	15		0.07	1.06
Col14	16		0.05	1.06
Col14	17		0.05	1.06
Col14	18		0.05	1.06
Col14	19		0.05	1.06
Col14	20		0.05	1.06
Col14	21		0.05	1.06
Col14	22		0.05	1.06
Col14	23		0.05	1.06
Col14	24		0.05	1.06
Col14	25		0.05	1.06
Col14	26		0.05	1.06
Col14	27		0.05	1.06
Col14	28		-0.06	1.06
Col14	29		-0.06	1.06
Col14	30		0.07	1.06
Col14	31		0.07	1.06
Col14	32		0.07	1.06
Col14	33		0.07	1.06
Col14	34		0.07	1.06
Col14	35		0.07	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	0.05	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	0.00	1.06
Col18	9	0.00	1.06
Col18	10	0.00	1.06
Col18	11	0.00	1.06
Col18	12	0.00	1.06
Col18	13	0.00	1.06
Col18	14	0.00	1.06
Col18	15	0.00	1.06
Col18	16	0.00	1.06
Col18	17	0.00	1.06
Col18	18	0.00	1.06
Col18	19	0.00	1.06
Col18	20	0.00	1.06
Col18	21	0.00	1.06
Col18	22	0.00	1.06
Col18	23	0.00	1.06
Col18	24	0.00	1.06
Col18	25	0.00	1.06
Col18	26	0.00	1.06
Col18	27	0.00	1.06

Col18	28	0.00	1.06
Col18	29	0.00	1.06
Col18	30	0.00	1.06
Col18	31	0.00	1.06
Col18	32	0.00	1.06
Col18	33	0.00	1.06
Col18	34	0.00	1.06
Col18	35	0.00	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	0.00	1.06
Col18	48	0.00	1.06
Col18	49	0.00	1.06
Col18	50	0.00	1.06
Col18	51	0.00	1.06
Col18	52	0.00	1.06
Col19	1	0.00	1.06
Col19	2	0.00	1.06
Col19	3	0.00	1.06
Col19	4	0.00	1.06
Col19	5	0.00	1.06
Col19	6	0.00	1.06
Col19	7	0.00	1.06
Col19	8	0.00	1.06
Col19	9	0.00	1.06
Col19	10	0.00	1.06
Col19	11	0.00	1.06
Col19	12	0.00	1.06
Col19	13	0.00	1.06
Col19	14	0.00	1.06
Col19	15	0.00	1.06
Col19	16	0.00	1.06
Col19	17	0.00	1.06
Col19	18	0.00	1.06
Col19	19	0.00	1.06
Col19	20	0.00	1.06
Col19	21	0.00	1.06
Col19	22	0.00	1.06
Col19	23	0.00	1.06
Col19	24	0.00	1.06
Col19	25	0.00	1.06
Col19	26	0.00	1.06
Col19	27	0.00	1.06
Col19	28	0.00	1.06
Col19	29	0.00	1.06
Col19	30	0.00	1.06
Col19	31	0.00	1.06
Col19	32	0.00	1.06
Col19	33	0.00	1.06
Col19	34	0.00	1.06
Col19	35	0.00	1.06
Col19	36	0.00	1.06
Col19	37	0.00	1.06
Col19	38	0.00	1.06
Col19	39	0.00	1.06
Col19	40	0.00	1.06



Col19	41	0.00	1.06
Col19	42	0.00	1.06
Col19	43	0.00	1.06
Col19	44	0.00	1.06
Col19	45	0.00	1.06
Col19	46	0.00	1.06
Col19	47	0.00	1.06
Col19	48	0.00	1.06
Col19	49	0.00	1.06
Col19	50	0.00	1.06
Col19	51	0.00	1.06
Col19	52	0.00	1.06
Col20	1	0.00	1.06
Col20	2	0.00	1.06
Col20	3	0.00	1.06
Col20	4	0.00	1.06
Col20	5	0.00	1.06
Col20	6	0.00	1.06
Col20	7	0.00	1.06
Col20	8	-0.06	1.06
Col20	9	-0.06	1.06
Col20	10	0.07	1.06
Col20	11	0.07	1.06
Col20	12	0.07	1.06
Col20	13	0.07	1.06
Col20	14	0.07	1.06
Col20	15	0.07	1.06
Col20	16	0.05	1.06
Col20	17	0.05	1.06
Col20	18	0.05	1.06
Col20	19	0.05	1.06
Col20	20	0.05	1.06
Col20	21	0.05	1.06
Col20	22	0.05	1.06
Col20	23	0.05	1.06
Col20	24	0.05	1.06
Col20	25	0.05	1.06
Col20	26	0.05	1.06
Col20	27	0.05	1.06
Col20	28	-0.06	1.06
Col20	29	-0.06	1.06
Col20	30	0.07	1.06
Col20	31	0.07	1.06
Col20	32	0.07	1.06
Col20	33	0.07	1.06
Col20	34	0.07	1.06
Col20	35	0.07	1.06
Col20	36	0.00	1.06
Col20	37	0.00	1.06
Col20	38	0.00	1.06
Col20	39	0.00	1.06
Col20	40	0.00	1.06
Col20	41	0.00	1.06
Col20	42	0.00	1.06
Col20	43	0.00	1.06
Col20	44	0.00	1.06
Col20	45	0.00	1.06
Col20	46	0.00	1.06
Col20	47	0.03	1.06
Col20	48	0.03	1.06
Col20	49	0.00	1.06
Col20	50	0.00	1.06
Col20	51	0.05	1.06
Col20	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
Raf3	1	0.00	0.92
Raf3	2	0.00	0.92
Raf3	3	0.00	0.92
Raf3	4	0.00	0.92
Raf3	5	0.00	0.92
Raf3	6	0.00	0.92
Raf3	7	0.00	0.92
Raf3	8	0.00	0.92
Raf3	9	0.00	0.92
Raf3	10	0.00	0.92
Raf3	11	0.00	0.92
Raf3	12	0.00	0.92
Raf3	13	0.00	0.92
Raf3	14	0.00	0.92
Raf3	15	0.00	0.92
Raf3	16	0.00	0.92
Raf3	17	0.00	0.92
Raf3	18	0.00	0.92
Raf3	19	0.00	0.92
Raf3	20	0.00	0.92
Raf3	21	0.00	0.92

Raf3	22	0.00	0.92
Raf3	23	0.00	0.92
Raf3	24	0.00	0.92
Raf3	25	0.00	0.92
Raf3	26	0.00	0.92
Raf3	27	0.00	0.92
Raf3	28	0.00	0.92
Raf3	29	0.00	0.92
Raf3	30	0.00	0.92
Raf3	31	0.00	0.92
Raf3	32	0.00	0.92
Raf3	33	0.00	0.92
Raf3	34	0.00	0.92
Raf3	35	0.00	0.92
Raf3	36	0.00	0.92
Raf3	37	0.00	0.92
Raf3	38	0.00	0.92
Raf3	39	0.00	0.92
Raf3	40	0.00	0.92
Raf3	41	0.00	0.92
Raf3	42	0.00	0.92
Raf3	43	0.00	0.92
Raf3	44	0.00	0.92
Raf3	45	0.00	0.92
Raf3	46	0.00	0.92
Raf3	47	0.00	0.92
Raf3	48	0.00	0.92
Raf3	49	0.00	0.92
Raf3	50	0.00	0.92
Raf3	51	0.00	0.92
Raf3	52	0.00	0.92

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	15.9	15.9	82	256	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	0.1	4.0	4.0	1	64	0.00	0.00
Col19	0.1	4.0	4.0	1	64	0.00	0.00
Col20	15.9	15.9	15.9	82	256	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
5	JambL	PBMJ6	15.88	55.3
	JambR	PBMJ6	15.88	55.3
	Header	6X25C16	12.00	28.1
6	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	-0.51	5.26	-2.03	2.20	0.92	-0.27	2.12
		WS	0.60	5.26	2.39	2.94	0.81	0.31	2.12
	JambR	WP	-0.51	5.26	-2.03	2.20	0.92	-0.27	2.12
		WS	0.57	5.26	2.25	2.94	0.77	0.30	2.12
	Header	WP	-0.06	3.86	-0.17	0.98	0.17	-0.02	1.60
		WS	0.06	3.86	0.19	1.93	0.10	0.02	1.60
2	JambL	WP	-0.52	5.26	-2.05	3.90	0.53	-0.27	2.12
		WS	0.57	5.26	2.27	3.90	0.58	0.30	2.12
	JambR	WP	-0.52	5.26	-2.05	3.90	0.53	-0.27	2.12
		WS	0.57	5.26	2.27	3.90	0.58	0.30	2.12
	Header	WP	-0.06	3.86	-0.17	0.98	0.17	-0.02	1.60
		WS	0.06	3.86	0.19	1.93	0.10	0.02	1.60
3	JambL	WP	-0.52	5.26	-2.05	3.90	0.53	-0.27	2.12
		WS	0.57	5.26	2.27	3.90	0.58	0.30	2.12
	JambR	WP	-0.52	5.26	-2.05	3.90	0.53	-0.27	2.12
		WS	0.57	5.26	2.27	3.90	0.58	0.30	2.12
	Header	WP	-0.06	3.86	-0.17	0.98	0.17	-0.02	1.60
		WS	0.06	3.86	0.19	1.93	0.10	0.02	1.60
4	JambL	WP	-0.52	5.26	-2.05	3.90	0.53	-0.27	2.12
		WS	0.57	5.26	2.27	3.90	0.58	0.30	2.12
	JambR	WP	-0.52	5.26	-2.05	3.90	0.53	-0.27	2.12
		WS	0.57	5.26	2.27	3.90	0.58	0.30	2.12
	Header	WP	-0.06	3.86	-0.17	0.98	0.17	-0.02	1.60
		WS	0.06	3.86	0.19	1.93	0.10	0.02	1.60
5	JambL	WP	-0.52	5.26	-2.05	3.90	0.53	-0.27	2.12
		WS	0.57	5.26	2.27	3.90	0.58	0.30	2.12
	JambR	WP	-0.52	5.26	-2.05	3.90	0.53	-0.27	2.12
		WS	0.57	5.26	2.27	3.90	0.58	0.30	2.12
	Header	WP	-0.06	3.86	-0.17	0.98	0.17	-0.02	1.60
		WS	0.06	3.86	0.19	1.93	0.10	0.02	1.60
6	JambL	WP	-0.51	5.26	-2.03	2.20	0.92	-0.27	2.12
		WS	0.57	5.26	2.25	2.94	0.77	0.30	2.12
	JambR	WP	-0.51	5.26	-2.03	2.20	0.92	-0.27	2.12

	WS	0.60	5.26	2.39	2.94	0.81	0.31	2.12
Header	WP	-0.06	3.86	-0.17	0.98	0.17	-0.02	1.60
	WS	0.06	3.86	0.19	1.93	0.10	0.02	1.60

WP - Wind\_Pressure  
WS - Wind\_Suction

8

Front SW - Wall Panel Design

2/13/23 3:49pm

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 Limit	Midspan Calc Limit	End Calc Limit	Max UC	Calc Limit	Limit			
1	14.00	15.88	WP	0.0	49.1	-5.5	49.1	0.0	38.1	0.11	-0.02	0.38
			WS	0.0	38.1	7.3	38.1	0.0	38.1	0.19	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)-- Locate Width Thick			Panel Span (ft)
		Offset1	Offset2					
1	Interior	6.00	77.50	2	4.00	4.00	0.000	0.00
2	Lt Edge	0.00	6.00	1	0.00	0.00	0.000	0.00
3	Rt Edge	77.50	83.50	6	0.00	0.00	0.000	0.00

## GIRT SCREW CHECK:

Zone Id	Screw Space	Wind Suction (psf )	Load (k )	-----Limit (k )----- Girt Panel Screw Pullout Pullover Tension			Max UC
1	1.00	16.56	0.07				
2	1.00	16.56	0.00				
3	1.00	16.56	0.00				

## WALL LAYOUT:

Wall Id	Orn	Load Width
3	T	6.88

## MEMBER LAYOUT:

Id	Locate		---Web (in)---		-Flange (in)-		Length (ft)	Weight (lb)	----Max_Load----		
	(ft)	Part	Depth	Thick	Width	Thick			Id	UC	Report
Col22	5.0	6X2C16	6.00	16ga	2.00	16ga	16.1	35.3	10	0.74	Deflect
Col23	10.0	6X2C16	6.00	16ga	2.00	16ga	16.3	35.8	10	0.74	Deflect
Col24	15.0	6X2C16	6.00	16ga	2.00	16ga	16.5	36.2	10	0.77	Deflect
Col25	20.0	6X2C16	6.00	16ga	2.00	16ga	16.8	36.7	10	0.79	Deflect
Col26	25.0	6X2C16	6.00	16ga	2.00	16ga	17.0	37.1	10	0.82	Deflect
Col27	30.0	6X2C16	6.00	16ga	2.00	16ga	17.1	37.4	1	0.09	Mom+Axl
Col28	35.0	6X2C16	6.00	16ga	2.00	16ga	17.0	37.1	10	0.82	Deflect
Col29	40.0	6X2C16	6.00	16ga	2.00	16ga	16.8	36.7	10	0.79	Deflect
Col30	45.0	6X2C16	6.00	16ga	2.00	16ga	16.5	36.2	10	0.77	Deflect
Col31	50.0	6X2C16	6.00	16ga	2.00	16ga	16.3	35.8	10	0.74	Deflect
Col32	55.0	6X2C16	6.00	16ga	2.00	16ga	16.1	35.3	10	0.74	Deflect
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+
Col22	1	0.82	7.66	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col22	2	0.13	7.66	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col22	3	0.59	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col22	4	0.59	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col22	5	0.65	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col22	6	0.48	7.66	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col22	7	0.48	7.66	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col22	8	-0.33	21.18	0.40	3.32	-1.63	2.65	0.02	0.12	0.60	0.00
Col22	9	-0.15	21.18	0.40	3.32	-1.63	2.65	0.01	0.12	0.61	0.00
Col22	10	-0.33	21.18	-0.47	3.32	1.89	2.65	0.02	0.14	0.70	0.00
Col22	11	-0.15	21.18	-0.47	3.32	1.89	2.65	0.01	0.14	0.71	0.00
Col22	12	-0.33	21.18	-0.47	3.32	1.89	2.65	0.02	0.14	0.70	0.00
Col22	13	-0.15	21.18	-0.47	3.32	1.89	2.65	0.01	0.14	0.71	0.00
Col22	14	-0.19	21.18	-0.47	3.32	1.89	2.65	0.01	0.14	0.71	0.00
Col22	15	-0.01	21.18	-0.47	3.32	1.89	2.65	0.00	0.14	0.71	0.00
Col22	16	0.42	7.66	-0.35	3.32	1.42	2.65	0.05	0.11	0.59	0.00
Col22	17	0.56	7.66	-0.35	3.32	1.42	2.65	0.07	0.11	0.61	0.00
Col22	18	0.31	7.66	-0.35	3.32	1.42	2.65	0.04	0.11	0.58	0.00
Col22	19	0.45	7.66	-0.35	3.32	1.42	2.65	0.06	0.11	0.59	0.00
Col22	20	0.25	7.66	-0.35	3.32	1.42	2.65	0.03	0.11	0.57	0.00
Col22	21	0.39	7.66	-0.35	3.32	1.42	2.65	0.05	0.11	0.59	0.00
Col22	22	0.14	7.66	-0.35	3.32	1.42	2.65	0.02	0.11	0.55	0.00
Col22	23	0.28	7.66	-0.35	3.32	1.42	2.65	0.04	0.11	0.57	0.00
Col22	24	0.25	7.66	-0.35	3.32	1.42	2.65	0.03	0.11	0.57	0.00
Col22	25	0.39	7.66	-0.35	3.32	1.42	2.65	0.05	0.11	0.59	0.00
Col22	26	0.14	7.66	-0.35	3.32	1.42	2.65	0.02	0.11	0.55	0.00
Col22	27	0.28	7.66	-0.35	3.32	1.42	2.65	0.04	0.11	0.57	0.00
Col22	28	-0.36	21.18	0.40	3.32	-1.63	2.65	0.02	0.12	0.60	0.00
Col22	29	-0.18	21.18	0.40	3.32	-1.63	2.65	0.01	0.12	0.61	0.00
Col22	30	-0.36	21.18	-0.47	3.32	1.89	2.65	0.02	0.14	0.70	0.00



Col22	31	-0.18	21.18	-0.47	3.32	1.89	2.65	0.01	0.14	0.71	0.00
Col22	32	-0.36	21.18	-0.47	3.32	1.89	2.65	0.02	0.14	0.70	0.00
Col22	33	-0.18	21.18	-0.47	3.32	1.89	2.65	0.01	0.14	0.71	0.00
Col22	34	-0.22	21.18	-0.47	3.32	1.89	2.65	0.01	0.14	0.70	0.00
Col22	35	-0.03	21.18	-0.47	3.32	1.89	2.65	0.00	0.14	0.71	0.00
Col22	36	0.13	7.66	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col22	37	0.13	7.66	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col22	38	0.65	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col22	39	0.65	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col22	40	0.48	7.66	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col22	41	0.48	7.66	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col22	42	0.48	7.66	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col22	43	0.48	7.66	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col22	44	0.08	7.66	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col22	45	0.08	7.66	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col22	46	0.68	7.66	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col22	47	0.31	7.66	-0.35	3.32	1.42	2.65	0.04	0.11	0.58	0.00
Col22	48	0.45	7.66	-0.35	3.32	1.42	2.65	0.06	0.11	0.60	0.00
Col22	49	0.13	7.66	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col22	50	0.13	7.66	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col22	51	0.09	7.66	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col22	52	0.09	7.66	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col22	53	0.59	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col22	54	0.48	7.66	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col22	55	0.48	7.66	-0.35	3.32	1.42	2.65	0.06	0.11	0.60	0.00
Col22	56	0.48	7.66	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col23	1	0.82	7.45	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col23	2	0.13	7.45	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col23	3	0.59	7.45	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col23	4	0.59	7.45	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col23	5	0.65	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col23	6	0.48	7.45	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col23	7	0.48	7.45	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col23	8	-0.33	21.18	0.41	3.32	-1.67	2.65	0.02	0.12	0.62	0.00
Col23	9	-0.15	21.18	0.41	3.32	-1.67	2.65	0.01	0.12	0.62	0.00
Col23	10	-0.33	21.18	-0.45	3.32	1.85	2.65	0.02	0.14	0.68	0.00
Col23	11	-0.15	21.18	-0.45	3.32	1.85	2.65	0.01	0.14	0.69	0.00
Col23	12	-0.33	21.18	-0.45	3.32	1.85	2.65	0.02	0.14	0.68	0.00
Col23	13	-0.15	21.18	-0.45	3.32	1.85	2.65	0.01	0.14	0.69	0.00
Col23	14	-0.19	21.18	-0.45	3.32	1.85	2.65	0.01	0.14	0.69	0.00
Col23	15	-0.01	21.18	-0.45	3.32	1.85	2.65	0.00	0.14	0.70	0.00
Col23	16	0.42	7.45	-0.34	3.32	1.39	2.65	0.06	0.10	0.58	0.00
Col23	17	0.56	7.45	-0.34	3.32	1.39	2.65	0.07	0.10	0.60	0.00
Col23	18	0.31	7.45	-0.34	3.32	1.39	2.65	0.04	0.10	0.57	0.00
Col23	19	0.45	7.45	-0.34	3.32	1.39	2.65	0.06	0.10	0.58	0.00
Col23	20	0.25	7.45	-0.34	3.32	1.39	2.65	0.03	0.10	0.56	0.00
Col23	21	0.39	7.45	-0.34	3.32	1.39	2.65	0.05	0.10	0.58	0.00
Col23	22	0.14	7.45	-0.34	3.32	1.39	2.65	0.02	0.10	0.54	0.00
Col23	23	0.28	7.45	-0.34	3.32	1.39	2.65	0.04	0.10	0.56	0.00
Col23	24	0.25	7.45	-0.34	3.32	1.39	2.65	0.03	0.10	0.56	0.00
Col23	25	0.39	7.45	-0.34	3.32	1.39	2.65	0.05	0.10	0.58	0.00
Col23	26	0.14	7.45	-0.34	3.32	1.39	2.65	0.02	0.10	0.54	0.00
Col23	27	0.28	7.45	-0.34	3.32	1.39	2.65	0.04	0.10	0.56	0.00
Col23	28	-0.36	21.18	0.41	3.32	-1.67	2.65	0.02	0.12	0.61	0.00
Col23	29	-0.18	21.18	0.41	3.32	-1.67	2.65	0.01	0.12	0.62	0.00
Col23	30	-0.36	21.18	-0.45	3.32	1.85	2.65	0.02	0.14	0.68	0.00
Col23	31	-0.18	21.18	-0.45	3.32	1.85	2.65	0.01	0.14	0.69	0.00
Col23	32	-0.36	21.18	-0.45	3.32	1.85	2.65	0.02	0.14	0.68	0.00
Col23	33	-0.18	21.18	-0.45	3.32	1.85	2.65	0.01	0.14	0.69	0.00
Col23	34	-0.22	21.18	-0.45	3.32	1.85	2.65	0.01	0.14	0.69	0.00
Col23	35	-0.03	21.18	-0.45	3.32	1.85	2.65	0.00	0.14	0.70	0.00
Col23	36	0.13	7.45	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col23	37	0.13	7.45	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col23	38	0.65	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col23	39	0.65	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00

Col23	40	0.48	7.45	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col23	41	0.48	7.45	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col23	42	0.48	7.45	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col23	43	0.48	7.45	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col23	44	0.08	7.45	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col23	45	0.08	7.45	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col23	46	0.68	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col23	47	0.31	7.45	-0.34	3.32	1.39	2.65	0.04	0.10	0.57	0.00
Col23	48	0.45	7.45	-0.34	3.32	1.39	2.65	0.06	0.10	0.59	0.00
Col23	49	0.13	7.45	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col23	50	0.13	7.45	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col23	51	0.09	7.45	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col23	52	0.09	7.45	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col23	53	0.65	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col23	54	0.52	7.45	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col23	55	0.52	7.45	-0.34	3.32	1.39	2.65	0.07	0.10	0.59	0.00
Col23	56	0.52	7.45	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col24	1	0.82	7.23	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col24	2	0.13	7.23	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col24	3	0.59	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col24	4	0.59	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col24	5	0.65	7.23	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col24	6	0.48	7.23	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col24	7	0.48	7.23	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col24	8	-0.33	21.18	0.41	3.32	-1.71	2.65	0.02	0.12	0.63	0.00
Col24	9	-0.15	21.18	0.41	3.32	-1.71	2.65	0.01	0.12	0.64	0.00
Col24	10	-0.33	21.18	-0.46	3.32	1.90	2.65	0.02	0.14	0.70	0.00
Col24	11	-0.15	21.18	-0.46	3.32	1.90	2.65	0.01	0.14	0.71	0.00
Col24	12	-0.33	21.18	-0.46	3.32	1.90	2.65	0.02	0.14	0.70	0.00
Col24	13	-0.15	21.18	-0.46	3.32	1.90	2.65	0.01	0.14	0.71	0.00
Col24	14	-0.19	21.18	-0.46	3.32	1.90	2.65	0.01	0.14	0.71	0.00
Col24	15	0.00	21.18	-0.46	3.32	1.90	2.65	0.00	0.14	0.72	0.00
Col24	16	0.42	7.23	-0.34	3.32	1.42	2.65	0.06	0.10	0.60	0.00
Col24	17	0.56	7.23	-0.34	3.32	1.42	2.65	0.08	0.10	0.62	0.00
Col24	18	0.31	7.23	-0.34	3.32	1.42	2.65	0.04	0.10	0.58	0.00
Col24	19	0.45	7.23	-0.34	3.32	1.42	2.65	0.06	0.10	0.60	0.00
Col24	20	0.25	7.23	-0.34	3.32	1.42	2.65	0.03	0.10	0.57	0.00
Col24	21	0.39	7.23	-0.34	3.32	1.42	2.65	0.05	0.10	0.59	0.00
Col24	22	0.14	7.23	-0.34	3.32	1.42	2.65	0.02	0.10	0.56	0.00
Col24	23	0.28	7.23	-0.34	3.32	1.42	2.65	0.04	0.10	0.58	0.00
Col24	24	0.25	7.23	-0.34	3.32	1.42	2.65	0.03	0.10	0.57	0.00
Col24	25	0.39	7.23	-0.34	3.32	1.42	2.65	0.05	0.10	0.59	0.00
Col24	26	0.14	7.23	-0.34	3.32	1.42	2.65	0.02	0.10	0.56	0.00
Col24	27	0.28	7.23	-0.34	3.32	1.42	2.65	0.04	0.10	0.58	0.00
Col24	28	-0.36	21.18	0.41	3.32	-1.71	2.65	0.02	0.12	0.63	0.00
Col24	29	-0.18	21.18	0.41	3.32	-1.71	2.65	0.01	0.12	0.64	0.00
Col24	30	-0.36	21.18	-0.46	3.32	1.90	2.65	0.02	0.14	0.70	0.00
Col24	31	-0.18	21.18	-0.46	3.32	1.90	2.65	0.01	0.14	0.71	0.00
Col24	32	-0.36	21.18	-0.46	3.32	1.90	2.65	0.02	0.14	0.70	0.00
Col24	33	-0.18	21.18	-0.46	3.32	1.90	2.65	0.01	0.14	0.71	0.00
Col24	34	-0.22	21.18	-0.46	3.32	1.90	2.65	0.01	0.14	0.71	0.00
Col24	35	-0.03	21.18	-0.46	3.32	1.90	2.65	0.00	0.14	0.72	0.00
Col24	36	0.13	7.23	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col24	37	0.13	7.23	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col24	38	0.65	7.23	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col24	39	0.65	7.23	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col24	40	0.48	7.23	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col24	41	0.48	7.23	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col24	42	0.48	7.23	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col24	43	0.48	7.23	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col24	44	0.08	7.23	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col24	45	0.08	7.23	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col24	46	0.68	7.23	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col24	47	0.32	7.23	-0.34	3.32	1.42	2.65	0.04	0.10	0.58	0.00
Col24	48	0.46	7.23	-0.34	3.32	1.42	2.65	0.06	0.10	0.60	0.00

Col24	49	0.13	7.23	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col24	50	0.13	7.23	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col24	51	0.09	7.23	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col24	52	0.09	7.23	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col24	53	0.76	7.23	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col24	54	0.60	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col24	55	0.60	7.23	-0.34	3.32	1.42	2.65	0.08	0.10	0.62	0.00
Col24	56	0.60	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col25	1	0.82	7.01	0.00	3.32	0.00	2.65	0.12	0.00	0.12	0.00
Col25	2	0.13	7.01	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col25	3	0.59	7.01	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col25	4	0.59	7.01	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col25	5	0.65	7.01	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col25	6	0.48	7.01	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col25	7	0.48	7.01	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col25	8	-0.33	21.18	0.42	3.32	-1.76	2.65	0.02	0.13	0.65	0.00
Col25	9	-0.15	21.18	0.42	3.32	-1.76	2.65	0.01	0.13	0.66	0.00
Col25	10	-0.33	21.18	-0.46	3.32	1.95	2.65	0.02	0.14	0.72	0.00
Col25	11	-0.15	21.18	-0.46	3.32	1.95	2.65	0.01	0.14	0.73	0.00
Col25	12	-0.33	21.18	-0.46	3.32	1.95	2.65	0.02	0.14	0.72	0.00
Col25	13	-0.15	21.18	-0.46	3.32	1.95	2.65	0.01	0.14	0.73	0.00
Col25	14	-0.19	21.18	-0.46	3.32	1.95	2.65	0.01	0.14	0.73	0.00
Col25	15	0.00	21.18	-0.46	3.32	1.95	2.65	0.00	0.14	0.74	0.00
Col25	16	0.42	7.01	-0.35	3.32	1.46	2.65	0.06	0.11	0.61	0.00
Col25	17	0.56	7.01	-0.35	3.32	1.46	2.65	0.08	0.11	0.63	0.00
Col25	18	0.31	7.01	-0.35	3.32	1.46	2.65	0.04	0.11	0.60	0.00
Col25	19	0.45	7.01	-0.35	3.32	1.46	2.65	0.06	0.11	0.62	0.00
Col25	20	0.25	7.01	-0.35	3.32	1.46	2.65	0.04	0.11	0.59	0.00
Col25	21	0.39	7.01	-0.35	3.32	1.46	2.65	0.06	0.11	0.61	0.00
Col25	22	0.14	7.01	-0.35	3.32	1.46	2.65	0.02	0.11	0.57	0.00
Col25	23	0.28	7.01	-0.35	3.32	1.46	2.65	0.04	0.11	0.59	0.00
Col25	24	0.25	7.01	-0.35	3.32	1.46	2.65	0.04	0.11	0.59	0.00
Col25	25	0.39	7.01	-0.35	3.32	1.46	2.65	0.06	0.11	0.61	0.00
Col25	26	0.14	7.01	-0.35	3.32	1.46	2.65	0.02	0.11	0.57	0.00
Col25	27	0.28	7.01	-0.35	3.32	1.46	2.65	0.04	0.11	0.59	0.00
Col25	28	-0.36	21.18	0.42	3.32	-1.76	2.65	0.02	0.13	0.65	0.00
Col25	29	-0.17	21.18	0.42	3.32	-1.76	2.65	0.01	0.13	0.66	0.00
Col25	30	-0.36	21.18	-0.46	3.32	1.95	2.65	0.02	0.14	0.72	0.00
Col25	31	-0.17	21.18	-0.46	3.32	1.95	2.65	0.01	0.14	0.73	0.00
Col25	32	-0.36	21.18	-0.46	3.32	1.95	2.65	0.02	0.14	0.72	0.00
Col25	33	-0.17	21.18	-0.46	3.32	1.95	2.65	0.01	0.14	0.73	0.00
Col25	34	-0.22	21.18	-0.46	3.32	1.95	2.65	0.01	0.14	0.73	0.00
Col25	35	-0.03	21.18	-0.46	3.32	1.95	2.65	0.00	0.14	0.73	0.00
Col25	36	0.13	7.01	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col25	37	0.13	7.01	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col25	38	0.65	7.01	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col25	39	0.65	7.01	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col25	40	0.48	7.01	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col25	41	0.48	7.01	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col25	42	0.48	7.01	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col25	43	0.48	7.01	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col25	44	0.09	7.01	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col25	45	0.08	7.01	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col25	46	0.68	7.01	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col25	47	0.32	7.01	-0.35	3.32	1.46	2.65	0.04	0.11	0.60	0.00
Col25	48	0.46	7.01	-0.35	3.32	1.46	2.65	0.06	0.11	0.62	0.00
Col25	49	0.13	7.01	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col25	50	0.13	7.01	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col25	51	0.09	7.01	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col25	52	0.09	7.01	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col25	53	0.77	7.01	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col25	54	0.61	7.01	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col25	55	0.61	7.01	-0.35	3.32	1.46	2.65	0.09	0.11	0.64	0.00
Col25	56	0.61	7.01	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col26	1	0.82	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	0.59	6.79	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col26	4	0.59	6.79	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col26	5	0.65	6.79	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col26	6	0.48	6.79	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col26	7	0.48	6.79	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col26	8	-0.33	21.18	0.42	3.32	-1.80	2.65	0.02	0.13	0.66	0.00
Col26	9	-0.15	21.18	0.42	3.32	-1.80	2.65	0.01	0.13	0.67	0.00
Col26	10	-0.33	21.18	-0.47	3.32	2.00	2.65	0.02	0.14	0.74	0.00
Col26	11	-0.15	21.18	-0.47	3.32	2.00	2.65	0.01	0.14	0.75	0.00
Col26	12	-0.33	21.18	-0.47	3.32	2.00	2.65	0.02	0.14	0.74	0.00
Col26	13	-0.15	21.18	-0.47	3.32	2.00	2.65	0.01	0.14	0.75	0.00
Col26	14	-0.19	21.18	-0.47	3.32	2.00	2.65	0.01	0.14	0.74	0.00
Col26	15	0.00	21.18	-0.47	3.32	2.00	2.65	0.00	0.14	0.75	0.00
Col26	16	0.42	6.79	-0.35	3.32	1.50	2.65	0.06	0.11	0.63	0.00
Col26	17	0.56	6.79	-0.35	3.32	1.50	2.65	0.08	0.11	0.65	0.00
Col26	18	0.31	6.79	-0.35	3.32	1.50	2.65	0.05	0.11	0.61	0.00
Col26	19	0.45	6.79	-0.35	3.32	1.50	2.65	0.07	0.11	0.63	0.00
Col26	20	0.25	6.79	-0.35	3.32	1.50	2.65	0.04	0.11	0.60	0.00
Col26	21	0.39	6.79	-0.35	3.32	1.50	2.65	0.06	0.11	0.62	0.00
Col26	22	0.14	6.79	-0.35	3.32	1.50	2.65	0.02	0.11	0.59	0.00
Col26	23	0.28	6.79	-0.35	3.32	1.50	2.65	0.04	0.11	0.61	0.00
Col26	24	0.25	6.79	-0.35	3.32	1.50	2.65	0.04	0.11	0.60	0.00
Col26	25	0.39	6.79	-0.35	3.32	1.50	2.65	0.06	0.11	0.62	0.00
Col26	26	0.14	6.79	-0.35	3.32	1.50	2.65	0.02	0.11	0.59	0.00
Col26	27	0.28	6.79	-0.35	3.32	1.50	2.65	0.04	0.11	0.61	0.00
Col26	28	-0.36	21.18	0.42	3.32	-1.80	2.65	0.02	0.13	0.66	0.00
Col26	29	-0.17	21.18	0.42	3.32	-1.80	2.65	0.01	0.13	0.67	0.00
Col26	30	-0.36	21.18	-0.47	3.32	2.00	2.65	0.02	0.14	0.74	0.00
Col26	31	-0.17	21.18	-0.47	3.32	2.00	2.65	0.01	0.14	0.75	0.00
Col26	32	-0.36	21.18	-0.47	3.32	2.00	2.65	0.02	0.14	0.74	0.00
Col26	33	-0.17	21.18	-0.47	3.32	2.00	2.65	0.01	0.14	0.75	0.00
Col26	34	-0.22	21.18	-0.47	3.32	2.00	2.65	0.01	0.14	0.74	0.00
Col26	35	-0.03	21.18	-0.47	3.32	2.00	2.65	0.00	0.14	0.75	0.00
Col26	36	0.13	6.79	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col26	37	0.13	6.79	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col26	38	0.65	6.79	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col26	39	0.65	6.79	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col26	40	0.48	6.79	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col26	41	0.48	6.79	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col26	42	0.48	6.79	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col26	43	0.48	6.79	0.00	3.32	0.00	2.65	0.07	0.00	0.07	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	0.68	6.79	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col26	47	0.32	6.79	-0.35	3.32	1.50	2.65	0.05	0.11	0.61	0.00
Col26	48	0.46	6.79	-0.35	3.32	1.50	2.65	0.07	0.11	0.63	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	0.77	6.79	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col26	54	0.61	6.79	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col26	55	0.61	6.79	-0.35	3.32	1.50	2.65	0.09	0.11	0.65	0.00
Col26	56	0.61	6.79	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col27	1	0.82	8.83	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col27	2	0.13	8.83	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col27	3	0.59	8.83	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col27	4	0.59	8.83	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col27	5	0.65	8.83	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col27	6	0.48	8.83	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col27	7	0.48	8.83	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col27	8	-0.23	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col27	9	-0.23	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col27	10	-0.23	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00

Col27	11	-0.23	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col27	12	-0.23	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col27	13	-0.23	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col27	14	-0.09	21.18	0.00	3.32	0.00	2.65	0.00	0.00	0.00	0.00
Col27	15	-0.09	21.18	0.00	3.32	0.00	2.65	0.00	0.00	0.00	0.00
Col27	16	0.49	8.83	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col27	17	0.49	8.83	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col27	18	0.39	8.83	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col27	19	0.39	8.83	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col27	20	0.32	8.83	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col27	21	0.32	8.83	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col27	22	0.22	8.83	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col27	23	0.22	8.83	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col27	24	0.32	8.83	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col27	25	0.32	8.83	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col27	26	0.22	8.83	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col27	27	0.22	8.83	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col27	28	-0.26	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col27	29	-0.26	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col27	30	-0.26	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col27	31	-0.26	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col27	32	-0.26	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col27	33	-0.26	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col27	34	-0.12	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col27	35	-0.12	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col27	36	0.13	8.83	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col27	37	0.13	8.83	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col27	38	0.65	8.83	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col27	39	0.65	8.83	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col27	40	0.48	8.83	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col27	41	0.48	8.83	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col27	42	0.48	8.83	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col27	43	0.48	8.83	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col27	44	0.08	8.83	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col27	45	0.08	8.83	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col27	46	0.67	8.83	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col27	47	0.38	8.83	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col27	48	0.38	8.83	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col27	49	0.13	8.83	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col27	50	0.13	8.83	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col27	51	0.09	8.83	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col27	52	0.09	8.83	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col27	53	0.75	8.83	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col27	54	0.60	8.83	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col27	55	0.60	8.83	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col27	56	0.60	8.83	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col28	1	0.82	6.79	0.00	3.32	0.00	2.65	0.12	0.00	0.12	0.00
Col28	2	0.13	6.79	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col28	3	0.59	6.79	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col28	4	0.59	6.79	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col28	5	0.65	6.79	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col28	6	0.48	6.79	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col28	7	0.48	6.79	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col28	8	-0.15	21.18	0.42	3.32	-1.80	2.65	0.01	0.13	0.67	0.00
Col28	9	-0.33	21.18	0.42	3.32	-1.80	2.65	0.02	0.13	0.66	0.00
Col28	10	-0.15	21.18	-0.47	3.32	2.00	2.65	0.01	0.14	0.75	0.00
Col28	11	-0.33	21.18	-0.47	3.32	2.00	2.65	0.02	0.14	0.74	0.00
Col28	12	-0.15	21.18	-0.47	3.32	2.00	2.65	0.01	0.14	0.75	0.00
Col28	13	-0.33	21.18	-0.47	3.32	2.00	2.65	0.02	0.14	0.74	0.00
Col28	14	0.00	21.18	-0.47	3.32	2.00	2.65	0.00	0.14	0.75	0.00
Col28	15	-0.19	21.18	-0.47	3.32	2.00	2.65	0.01	0.14	0.74	0.00
Col28	16	0.56	6.79	-0.35	3.32	1.50	2.65	0.08	0.11	0.65	0.00
Col28	17	0.42	6.79	-0.35	3.32	1.50	2.65	0.06	0.11	0.63	0.00
Col28	18	0.45	6.79	-0.35	3.32	1.50	2.65	0.07	0.11	0.63	0.00
Col28	19	0.31	6.79	-0.35	3.32	1.50	2.65	0.05	0.11	0.61	0.00

Col28	20	0.39	6.79	-0.35	3.32	1.50	2.65	0.06	0.11	0.62	0.00
Col28	21	0.25	6.79	-0.35	3.32	1.50	2.65	0.04	0.11	0.60	0.00
Col28	22	0.28	6.79	-0.35	3.32	1.50	2.65	0.04	0.11	0.61	0.00
Col28	23	0.14	6.79	-0.35	3.32	1.50	2.65	0.02	0.11	0.59	0.00
Col28	24	0.39	6.79	-0.35	3.32	1.50	2.65	0.06	0.11	0.62	0.00
Col28	25	0.25	6.79	-0.35	3.32	1.50	2.65	0.04	0.11	0.60	0.00
Col28	26	0.28	6.79	-0.35	3.32	1.50	2.65	0.04	0.11	0.61	0.00
Col28	27	0.14	6.79	-0.35	3.32	1.50	2.65	0.02	0.11	0.59	0.00
Col28	28	-0.17	21.18	0.42	3.32	-1.80	2.65	0.01	0.13	0.67	0.00
Col28	29	-0.36	21.18	0.42	3.32	-1.80	2.65	0.02	0.13	0.66	0.00
Col28	30	-0.17	21.18	-0.47	3.32	2.00	2.65	0.01	0.14	0.75	0.00
Col28	31	-0.36	21.18	-0.47	3.32	2.00	2.65	0.02	0.14	0.74	0.00
Col28	32	-0.17	21.18	-0.47	3.32	2.00	2.65	0.01	0.14	0.75	0.00
Col28	33	-0.36	21.18	-0.47	3.32	2.00	2.65	0.02	0.14	0.74	0.00
Col28	34	-0.03	21.18	-0.47	3.32	2.00	2.65	0.00	0.14	0.75	0.00
Col28	35	-0.22	21.18	-0.47	3.32	2.00	2.65	0.01	0.14	0.74	0.00
Col28	36	0.13	6.79	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col28	37	0.13	6.79	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col28	38	0.65	6.79	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col28	39	0.65	6.79	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col28	40	0.48	6.79	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col28	41	0.48	6.79	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col28	42	0.48	6.79	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col28	43	0.48	6.79	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col28	44	0.09	6.79	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col28	45	0.09	6.79	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col28	46	0.68	6.79	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col28	47	0.46	6.79	-0.35	3.32	1.50	2.65	0.07	0.11	0.63	0.00
Col28	48	0.32	6.79	-0.35	3.32	1.50	2.65	0.05	0.11	0.61	0.00
Col28	49	0.13	6.79	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col28	50	0.13	6.79	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col28	51	0.09	6.79	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col28	52	0.09	6.79	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col28	53	0.77	6.79	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col28	54	0.61	6.79	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col28	55	0.61	6.79	-0.35	3.32	1.50	2.65	0.09	0.11	0.65	0.00
Col28	56	0.61	6.79	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col29	1	0.82	7.01	0.00	3.32	0.00	2.65	0.12	0.00	0.12	0.00
Col29	2	0.13	7.01	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col29	3	0.59	7.01	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col29	4	0.59	7.01	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col29	5	0.65	7.01	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col29	6	0.48	7.01	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col29	7	0.48	7.01	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col29	8	-0.15	21.18	0.42	3.32	-1.76	2.65	0.01	0.13	0.66	0.00
Col29	9	-0.33	21.18	0.42	3.32	-1.76	2.65	0.02	0.13	0.65	0.00
Col29	10	-0.15	21.18	-0.46	3.32	1.95	2.65	0.01	0.14	0.73	0.00
Col29	11	-0.33	21.18	-0.46	3.32	1.95	2.65	0.02	0.14	0.72	0.00
Col29	12	-0.15	21.18	-0.46	3.32	1.95	2.65	0.01	0.14	0.73	0.00
Col29	13	-0.33	21.18	-0.46	3.32	1.95	2.65	0.02	0.14	0.72	0.00
Col29	14	0.00	21.18	-0.46	3.32	1.95	2.65	0.00	0.14	0.74	0.00
Col29	15	-0.19	21.18	-0.46	3.32	1.95	2.65	0.01	0.14	0.73	0.00
Col29	16	0.56	7.01	-0.35	3.32	1.46	2.65	0.08	0.11	0.63	0.00
Col29	17	0.42	7.01	-0.35	3.32	1.46	2.65	0.06	0.11	0.61	0.00
Col29	18	0.45	7.01	-0.35	3.32	1.46	2.65	0.06	0.11	0.62	0.00
Col29	19	0.31	7.01	-0.35	3.32	1.46	2.65	0.04	0.11	0.60	0.00
Col29	20	0.39	7.01	-0.35	3.32	1.46	2.65	0.06	0.11	0.61	0.00
Col29	21	0.25	7.01	-0.35	3.32	1.46	2.65	0.04	0.11	0.59	0.00
Col29	22	0.28	7.01	-0.35	3.32	1.46	2.65	0.04	0.11	0.59	0.00
Col29	23	0.14	7.01	-0.35	3.32	1.46	2.65	0.02	0.11	0.57	0.00
Col29	24	0.39	7.01	-0.35	3.32	1.46	2.65	0.06	0.11	0.61	0.00
Col29	25	0.25	7.01	-0.35	3.32	1.46	2.65	0.04	0.11	0.59	0.00
Col29	26	0.28	7.01	-0.35	3.32	1.46	2.65	0.04	0.11	0.59	0.00
Col29	27	0.14	7.01	-0.35	3.32	1.46	2.65	0.02	0.11	0.57	0.00
Col29	28	-0.17	21.18	0.42	3.32	-1.76	2.65	0.01	0.13	0.66	0.00

Col129	29	-0.36	21.18	0.42	3.32	-1.76	2.65	0.02	0.13	0.65	0.00
Col129	30	-0.17	21.18	-0.46	3.32	1.95	2.65	0.01	0.14	0.73	0.00
Col129	31	-0.36	21.18	-0.46	3.32	1.95	2.65	0.02	0.14	0.72	0.00
Col129	32	-0.17	21.18	-0.46	3.32	1.95	2.65	0.01	0.14	0.73	0.00
Col129	33	-0.36	21.18	-0.46	3.32	1.95	2.65	0.02	0.14	0.72	0.00
Col129	34	-0.03	21.18	-0.46	3.32	1.95	2.65	0.00	0.14	0.73	0.00
Col129	35	-0.22	21.18	-0.46	3.32	1.95	2.65	0.01	0.14	0.73	0.00
Col129	36	0.13	7.01	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col129	37	0.13	7.01	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col129	38	0.65	7.01	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col129	39	0.65	7.01	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col129	40	0.48	7.01	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col129	41	0.48	7.01	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col129	42	0.48	7.01	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col129	43	0.48	7.01	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col129	44	0.08	7.01	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col129	45	0.09	7.01	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col129	46	0.68	7.01	0.00	3.32	0.00	2.65	0.10	0.00	0.10	0.00
Col129	47	0.46	7.01	-0.35	3.32	1.46	2.65	0.06	0.11	0.62	0.00
Col129	48	0.32	7.01	-0.35	3.32	1.46	2.65	0.04	0.11	0.60	0.00
Col129	49	0.13	7.01	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col129	50	0.13	7.01	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col129	51	0.09	7.01	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col129	52	0.09	7.01	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col129	53	0.77	7.01	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col129	54	0.61	7.01	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col129	55	0.61	7.01	-0.35	3.32	1.46	2.65	0.09	0.11	0.64	0.00
Col129	56	0.61	7.01	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col130	1	0.82	7.23	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col130	2	0.13	7.23	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col130	3	0.59	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col130	4	0.59	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col130	5	0.65	7.23	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col130	6	0.48	7.23	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col130	7	0.48	7.23	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col130	8	-0.15	21.18	0.41	3.32	-1.71	2.65	0.01	0.12	0.64	0.00
Col130	9	-0.33	21.18	0.41	3.32	-1.71	2.65	0.02	0.12	0.63	0.00
Col130	10	-0.15	21.18	-0.46	3.32	1.90	2.65	0.01	0.14	0.71	0.00
Col130	11	-0.33	21.18	-0.46	3.32	1.90	2.65	0.02	0.14	0.70	0.00
Col130	12	-0.15	21.18	-0.46	3.32	1.90	2.65	0.01	0.14	0.71	0.00
Col130	13	-0.33	21.18	-0.46	3.32	1.90	2.65	0.02	0.14	0.70	0.00
Col130	14	0.00	21.18	-0.46	3.32	1.90	2.65	0.00	0.14	0.72	0.00
Col130	15	-0.19	21.18	-0.46	3.32	1.90	2.65	0.01	0.14	0.71	0.00
Col130	16	0.56	7.23	-0.34	3.32	1.42	2.65	0.08	0.10	0.62	0.00
Col130	17	0.42	7.23	-0.34	3.32	1.42	2.65	0.06	0.10	0.60	0.00
Col130	18	0.45	7.23	-0.34	3.32	1.42	2.65	0.06	0.10	0.60	0.00
Col130	19	0.31	7.23	-0.34	3.32	1.42	2.65	0.04	0.10	0.58	0.00
Col130	20	0.39	7.23	-0.34	3.32	1.42	2.65	0.05	0.10	0.59	0.00
Col130	21	0.25	7.23	-0.34	3.32	1.42	2.65	0.03	0.10	0.57	0.00
Col130	22	0.28	7.23	-0.34	3.32	1.42	2.65	0.04	0.10	0.58	0.00
Col130	23	0.14	7.23	-0.34	3.32	1.42	2.65	0.02	0.10	0.56	0.00
Col130	24	0.39	7.23	-0.34	3.32	1.42	2.65	0.05	0.10	0.59	0.00
Col130	25	0.25	7.23	-0.34	3.32	1.42	2.65	0.03	0.10	0.57	0.00
Col130	26	0.28	7.23	-0.34	3.32	1.42	2.65	0.04	0.10	0.58	0.00
Col130	27	0.14	7.23	-0.34	3.32	1.42	2.65	0.02	0.10	0.56	0.00
Col130	28	-0.18	21.18	0.41	3.32	-1.71	2.65	0.01	0.12	0.64	0.00
Col130	29	-0.36	21.18	0.41	3.32	-1.71	2.65	0.02	0.12	0.63	0.00
Col130	30	-0.18	21.18	-0.46	3.32	1.90	2.65	0.01	0.14	0.71	0.00
Col130	31	-0.36	21.18	-0.46	3.32	1.90	2.65	0.02	0.14	0.70	0.00
Col130	32	-0.18	21.18	-0.46	3.32	1.90	2.65	0.01	0.14	0.71	0.00
Col130	33	-0.36	21.18	-0.46	3.32	1.90	2.65	0.02	0.14	0.70	0.00
Col130	34	-0.03	21.18	-0.46	3.32	1.90	2.65	0.00	0.14	0.72	0.00
Col130	35	-0.22	21.18	-0.46	3.32	1.90	2.65	0.01	0.14	0.71	0.00
Col130	36	0.13	7.23	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col130	37	0.13	7.23	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00

Col130	38	0.65	7.23	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col130	39	0.65	7.23	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col130	40	0.48	7.23	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col130	41	0.48	7.23	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col130	42	0.48	7.23	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col130	43	0.48	7.23	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col130	44	0.08	7.23	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col130	45	0.08	7.23	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col130	46	0.68	7.23	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col130	47	0.46	7.23	-0.34	3.32	1.42	2.65	0.06	0.10	0.60	0.00
Col130	48	0.32	7.23	-0.34	3.32	1.42	2.65	0.04	0.10	0.58	0.00
Col130	49	0.13	7.23	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col130	50	0.13	7.23	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col130	51	0.09	7.23	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col130	52	0.09	7.23	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col130	53	0.76	7.23	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col130	54	0.60	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col130	55	0.60	7.23	-0.34	3.32	1.42	2.65	0.08	0.10	0.62	0.00
Col130	56	0.60	7.23	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col131	1	0.82	7.45	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col131	2	0.13	7.45	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col131	3	0.59	7.45	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col131	4	0.59	7.45	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col131	5	0.65	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col131	6	0.48	7.45	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col131	7	0.48	7.45	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col131	8	-0.15	21.18	0.41	3.32	-1.67	2.65	0.01	0.12	0.62	0.00
Col131	9	-0.33	21.18	0.41	3.32	-1.67	2.65	0.02	0.12	0.62	0.00
Col131	10	-0.15	21.18	-0.45	3.32	1.85	2.65	0.01	0.14	0.69	0.00
Col131	11	-0.33	21.18	-0.45	3.32	1.85	2.65	0.02	0.14	0.68	0.00
Col131	12	-0.15	21.18	-0.45	3.32	1.85	2.65	0.01	0.14	0.69	0.00
Col131	13	-0.33	21.18	-0.45	3.32	1.85	2.65	0.02	0.14	0.68	0.00
Col131	14	-0.01	21.18	-0.45	3.32	1.85	2.65	0.00	0.14	0.70	0.00
Col131	15	-0.19	21.18	-0.45	3.32	1.85	2.65	0.01	0.14	0.69	0.00
Col131	16	0.56	7.45	-0.34	3.32	1.39	2.65	0.07	0.10	0.60	0.00
Col131	17	0.42	7.45	-0.34	3.32	1.39	2.65	0.06	0.10	0.58	0.00
Col131	18	0.45	7.45	-0.34	3.32	1.39	2.65	0.06	0.10	0.58	0.00
Col131	19	0.31	7.45	-0.34	3.32	1.39	2.65	0.04	0.10	0.57	0.00
Col131	20	0.39	7.45	-0.34	3.32	1.39	2.65	0.05	0.10	0.58	0.00
Col131	21	0.25	7.45	-0.34	3.32	1.39	2.65	0.03	0.10	0.56	0.00
Col131	22	0.28	7.45	-0.34	3.32	1.39	2.65	0.04	0.10	0.56	0.00
Col131	23	0.14	7.45	-0.34	3.32	1.39	2.65	0.02	0.10	0.54	0.00
Col131	24	0.39	7.45	-0.34	3.32	1.39	2.65	0.05	0.10	0.58	0.00
Col131	25	0.25	7.45	-0.34	3.32	1.39	2.65	0.03	0.10	0.56	0.00
Col131	26	0.28	7.45	-0.34	3.32	1.39	2.65	0.04	0.10	0.56	0.00
Col131	27	0.14	7.45	-0.34	3.32	1.39	2.65	0.02	0.10	0.54	0.00
Col131	28	-0.18	21.18	0.41	3.32	-1.67	2.65	0.01	0.12	0.62	0.00
Col131	29	-0.36	21.18	0.41	3.32	-1.67	2.65	0.02	0.12	0.61	0.00
Col131	30	-0.18	21.18	-0.45	3.32	1.85	2.65	0.01	0.14	0.69	0.00
Col131	31	-0.36	21.18	-0.45	3.32	1.85	2.65	0.02	0.14	0.68	0.00
Col131	32	-0.18	21.18	-0.45	3.32	1.85	2.65	0.01	0.14	0.69	0.00
Col131	33	-0.36	21.18	-0.45	3.32	1.85	2.65	0.02	0.14	0.68	0.00
Col131	34	-0.03	21.18	-0.45	3.32	1.85	2.65	0.00	0.14	0.70	0.00
Col131	35	-0.22	21.18	-0.45	3.32	1.85	2.65	0.01	0.14	0.69	0.00
Col131	36	0.13	7.45	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col131	37	0.13	7.45	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col131	38	0.65	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col131	39	0.65	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col131	40	0.48	7.45	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col131	41	0.48	7.45	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col131	42	0.48	7.45	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col131	43	0.48	7.45	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col131	44	0.08	7.45	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col131	45	0.08	7.45	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col131	46	0.68	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00



Col131	47	0.45	7.45	-0.34	3.32	1.39	2.65	0.06	0.10	0.59	0.00
Col131	48	0.31	7.45	-0.34	3.32	1.39	2.65	0.04	0.10	0.57	0.00
Col131	49	0.13	7.45	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col131	50	0.13	7.45	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col131	51	0.09	7.45	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col131	52	0.09	7.45	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col131	53	0.65	7.45	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col131	54	0.52	7.45	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col131	55	0.52	7.45	-0.34	3.32	1.39	2.65	0.07	0.10	0.59	0.00
Col131	56	0.52	7.45	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col132	1	0.82	7.66	0.00	3.32	0.00	2.65	0.11	0.00	0.11	0.00
Col132	2	0.13	7.66	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col132	3	0.59	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col132	4	0.59	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col132	5	0.65	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col132	6	0.48	7.66	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col132	7	0.48	7.66	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col132	8	-0.15	21.18	0.40	3.32	-1.63	2.65	0.01	0.12	0.61	0.00
Col132	9	-0.33	21.18	0.40	3.32	-1.63	2.65	0.02	0.12	0.60	0.00
Col132	10	-0.15	21.18	-0.47	3.32	1.89	2.65	0.01	0.14	0.71	0.00
Col132	11	-0.33	21.18	-0.47	3.32	1.89	2.65	0.02	0.14	0.70	0.00
Col132	12	-0.15	21.18	-0.47	3.32	1.89	2.65	0.01	0.14	0.71	0.00
Col132	13	-0.33	21.18	-0.47	3.32	1.89	2.65	0.02	0.14	0.70	0.00
Col132	14	-0.01	21.18	-0.47	3.32	1.89	2.65	0.00	0.14	0.71	0.00
Col132	15	-0.19	21.18	-0.47	3.32	1.89	2.65	0.01	0.14	0.71	0.00
Col132	16	0.56	7.66	-0.35	3.32	1.42	2.65	0.07	0.11	0.61	0.00
Col132	17	0.42	7.66	-0.35	3.32	1.42	2.65	0.05	0.11	0.59	0.00
Col132	18	0.45	7.66	-0.35	3.32	1.42	2.65	0.06	0.11	0.59	0.00
Col132	19	0.31	7.66	-0.35	3.32	1.42	2.65	0.04	0.11	0.58	0.00
Col132	20	0.39	7.66	-0.35	3.32	1.42	2.65	0.05	0.11	0.59	0.00
Col132	21	0.25	7.66	-0.35	3.32	1.42	2.65	0.03	0.11	0.57	0.00
Col132	22	0.28	7.66	-0.35	3.32	1.42	2.65	0.04	0.11	0.57	0.00
Col132	23	0.14	7.66	-0.35	3.32	1.42	2.65	0.02	0.11	0.55	0.00
Col132	24	0.39	7.66	-0.35	3.32	1.42	2.65	0.05	0.11	0.59	0.00
Col132	25	0.25	7.66	-0.35	3.32	1.42	2.65	0.03	0.11	0.57	0.00
Col132	26	0.28	7.66	-0.35	3.32	1.42	2.65	0.04	0.11	0.57	0.00
Col132	27	0.14	7.66	-0.35	3.32	1.42	2.65	0.02	0.11	0.55	0.00
Col132	28	-0.18	21.18	0.40	3.32	-1.63	2.65	0.01	0.12	0.61	0.00
Col132	29	-0.36	21.18	0.40	3.32	-1.63	2.65	0.02	0.12	0.60	0.00
Col132	30	-0.18	21.18	-0.47	3.32	1.89	2.65	0.01	0.14	0.71	0.00
Col132	31	-0.36	21.18	-0.47	3.32	1.89	2.65	0.02	0.14	0.70	0.00
Col132	32	-0.18	21.18	-0.47	3.32	1.89	2.65	0.01	0.14	0.71	0.00
Col132	33	-0.36	21.18	-0.47	3.32	1.89	2.65	0.02	0.14	0.70	0.00
Col132	34	-0.03	21.18	-0.47	3.32	1.89	2.65	0.00	0.14	0.71	0.00
Col132	35	-0.22	21.18	-0.47	3.32	1.89	2.65	0.01	0.14	0.70	0.00
Col132	36	0.13	7.66	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col132	37	0.13	7.66	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col132	38	0.65	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col132	39	0.65	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col132	40	0.48	7.66	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col132	41	0.48	7.66	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col132	42	0.48	7.66	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col132	43	0.48	7.66	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col132	44	0.08	7.66	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col132	45	0.08	7.66	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col132	46	0.68	7.66	0.00	3.32	0.00	2.65	0.09	0.00	0.09	0.00
Col132	47	0.45	7.66	-0.35	3.32	1.42	2.65	0.06	0.11	0.60	0.00
Col132	48	0.31	7.66	-0.35	3.32	1.42	2.65	0.04	0.11	0.58	0.00
Col132	49	0.13	7.66	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col132	50	0.13	7.66	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col132	51	0.09	7.66	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col132	52	0.09	7.66	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col132	53	0.59	7.66	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col132	54	0.48	7.66	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col132	55	0.48	7.66	-0.35	3.32	1.42	2.65	0.06	0.11	0.60	0.00

Col132 56 0.48 7.66 0.00 3.32 0.00 2.65 0.06 0.00 0.06 0.00

COLUMN REACTIONS:

Id	Load		In_Plane	Out_Plane
	Id	Vert(k )	Horz(k )	Horz(k )
Col122	1	0.82	0.00	0.00
Col122	2	0.13	0.00	0.00
Col122	3	0.59	0.00	0.00
Col122	4	0.59	0.00	0.00
Col122	5	0.65	0.00	0.00
Col122	6	0.48	0.00	0.00
Col122	7	0.48	0.00	0.00
Col122	8	-0.33	0.00	-0.40
Col122	9	-0.15	0.00	-0.40
Col122	10	-0.33	0.00	0.47
Col122	11	-0.15	0.00	0.47
Col122	12	-0.33	0.00	0.47
Col122	13	-0.15	0.00	0.47
Col122	14	-0.19	0.00	0.47
Col122	15	-0.01	0.00	0.47
Col122	16	0.42	0.00	0.35
Col122	17	0.56	0.00	0.35
Col122	18	0.31	0.00	0.35
Col122	19	0.45	0.00	0.35
Col122	20	0.25	0.00	0.35
Col122	21	0.39	0.00	0.35
Col122	22	0.14	0.00	0.35
Col122	23	0.28	0.00	0.35
Col122	24	0.25	0.00	0.35
Col122	25	0.39	0.00	0.35
Col122	26	0.14	0.00	0.35
Col122	27	0.28	0.00	0.35
Col122	28	-0.36	0.00	-0.40
Col122	29	-0.18	0.00	-0.40
Col122	30	-0.36	0.00	0.47
Col122	31	-0.18	0.00	0.47
Col122	32	-0.36	0.00	0.47
Col122	33	-0.18	0.00	0.47
Col122	34	-0.22	0.00	0.47
Col122	35	-0.03	0.00	0.47
Col122	36	0.13	0.00	0.00
Col122	37	0.13	0.00	0.00
Col122	38	0.65	0.00	0.00
Col122	39	0.65	0.00	0.00
Col122	40	0.48	0.00	0.00
Col122	41	0.48	0.00	0.00
Col122	42	0.48	0.00	0.00
Col122	43	0.48	0.00	0.00
Col122	44	0.08	0.00	0.00
Col122	45	0.08	0.00	0.00
Col122	46	0.68	0.00	0.00
Col122	47	0.31	0.00	0.35
Col122	48	0.45	0.00	0.35
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	0.59	0.00	0.00
Col122	54	0.48	0.00	0.00
Col122	55	0.48	0.00	0.35
Col122	56	0.48	0.00	0.00
Col123	1	0.82	0.00	0.00
Col123	2	0.13	0.00	0.00

Col23	3	0.59	0.00	0.00
Col23	4	0.59	0.00	0.00
Col23	5	0.65	0.00	0.00
Col23	6	0.48	0.00	0.00
Col23	7	0.48	0.00	0.00
Col23	8	-0.33	0.00	-0.41
Col23	9	-0.15	0.00	-0.41
Col23	10	-0.33	0.00	0.45
Col23	11	-0.15	0.00	0.45
Col23	12	-0.33	0.00	0.45
Col23	13	-0.15	0.00	0.45
Col23	14	-0.19	0.00	0.45
Col23	15	-0.01	0.00	0.45
Col23	16	0.42	0.00	0.34
Col23	17	0.56	0.00	0.34
Col23	18	0.31	0.00	0.34
Col23	19	0.45	0.00	0.34
Col23	20	0.25	0.00	0.34
Col23	21	0.39	0.00	0.34
Col23	22	0.14	0.00	0.34
Col23	23	0.28	0.00	0.34
Col23	24	0.25	0.00	0.34
Col23	25	0.39	0.00	0.34
Col23	26	0.14	0.00	0.34
Col23	27	0.28	0.00	0.34
Col23	28	-0.36	0.00	-0.41
Col23	29	-0.18	0.00	-0.41
Col23	30	-0.36	0.00	0.45
Col23	31	-0.18	0.00	0.45
Col23	32	-0.36	0.00	0.45
Col23	33	-0.18	0.00	0.45
Col23	34	-0.22	0.00	0.45
Col23	35	-0.03	0.00	0.45
Col23	36	0.13	0.00	0.00
Col23	37	0.13	0.00	0.00
Col23	38	0.65	0.00	0.00
Col23	39	0.65	0.00	0.00
Col23	40	0.48	0.00	0.00
Col23	41	0.48	0.00	0.00
Col23	42	0.48	0.00	0.00
Col23	43	0.48	0.00	0.00
Col23	44	0.08	0.00	0.00
Col23	45	0.08	0.00	0.00
Col23	46	0.68	0.00	0.00
Col23	47	0.31	0.00	0.34
Col23	48	0.45	0.00	0.34
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	0.65	0.00	0.00
Col23	54	0.52	0.00	0.00
Col23	55	0.52	0.00	0.34
Col23	56	0.52	0.00	0.00
Col24	1	0.82	0.00	0.00
Col24	2	0.13	0.00	0.00
Col24	3	0.59	0.00	0.00
Col24	4	0.59	0.00	0.00
Col24	5	0.65	0.00	0.00
Col24	6	0.48	0.00	0.00
Col24	7	0.48	0.00	0.00
Col24	8	-0.33	0.00	-0.41
Col24	9	-0.15	0.00	-0.41
Col24	10	-0.33	0.00	0.46
Col24	11	-0.15	0.00	0.46

Col24	12	-0.33	0.00	0.46
Col24	13	-0.15	0.00	0.46
Col24	14	-0.19	0.00	0.46
Col24	15	0.00	0.00	0.46
Col24	16	0.42	0.00	0.34
Col24	17	0.56	0.00	0.34
Col24	18	0.31	0.00	0.34
Col24	19	0.45	0.00	0.34
Col24	20	0.25	0.00	0.34
Col24	21	0.39	0.00	0.34
Col24	22	0.14	0.00	0.34
Col24	23	0.28	0.00	0.34
Col24	24	0.25	0.00	0.34
Col24	25	0.39	0.00	0.34
Col24	26	0.14	0.00	0.34
Col24	27	0.28	0.00	0.34
Col24	28	-0.36	0.00	-0.41
Col24	29	-0.18	0.00	-0.41
Col24	30	-0.36	0.00	0.46
Col24	31	-0.18	0.00	0.46
Col24	32	-0.36	0.00	0.46
Col24	33	-0.18	0.00	0.46
Col24	34	-0.22	0.00	0.46
Col24	35	-0.03	0.00	0.46
Col24	36	0.13	0.00	0.00
Col24	37	0.13	0.00	0.00
Col24	38	0.65	0.00	0.00
Col24	39	0.65	0.00	0.00
Col24	40	0.48	0.00	0.00
Col24	41	0.48	0.00	0.00
Col24	42	0.48	0.00	0.00
Col24	43	0.48	0.00	0.00
Col24	44	0.08	0.00	0.00
Col24	45	0.08	0.00	0.00
Col24	46	0.68	0.00	0.00
Col24	47	0.32	0.00	0.34
Col24	48	0.46	0.00	0.34
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	0.76	0.00	0.00
Col24	54	0.60	0.00	0.00
Col24	55	0.60	0.00	0.34
Col24	56	0.60	0.00	0.00
Col25	1	0.82	0.00	0.00
Col25	2	0.13	0.00	0.00
Col25	3	0.59	0.00	0.00
Col25	4	0.59	0.00	0.00
Col25	5	0.65	0.00	0.00
Col25	6	0.48	0.00	0.00
Col25	7	0.48	0.00	0.00
Col25	8	-0.33	0.00	-0.42
Col25	9	-0.15	0.00	-0.42
Col25	10	-0.33	0.00	0.46
Col25	11	-0.15	0.00	0.46
Col25	12	-0.33	0.00	0.46
Col25	13	-0.15	0.00	0.46
Col25	14	-0.19	0.00	0.46
Col25	15	0.00	0.00	0.46
Col25	16	0.42	0.00	0.35
Col25	17	0.56	0.00	0.35
Col25	18	0.31	0.00	0.35
Col25	19	0.45	0.00	0.35
Col25	20	0.25	0.00	0.35

Col25	21	0.39	0.00	0.35
Col25	22	0.14	0.00	0.35
Col25	23	0.28	0.00	0.35
Col25	24	0.25	0.00	0.35
Col25	25	0.39	0.00	0.35
Col25	26	0.14	0.00	0.35
Col25	27	0.28	0.00	0.35
Col25	28	-0.36	0.00	-0.42
Col25	29	-0.17	0.00	-0.42
Col25	30	-0.36	0.00	0.46
Col25	31	-0.17	0.00	0.46
Col25	32	-0.36	0.00	0.46
Col25	33	-0.17	0.00	0.46
Col25	34	-0.22	0.00	0.46
Col25	35	-0.03	0.00	0.46
Col25	36	0.13	0.00	0.00
Col25	37	0.13	0.00	0.00
Col25	38	0.65	0.00	0.00
Col25	39	0.65	0.00	0.00
Col25	40	0.48	0.00	0.00
Col25	41	0.48	0.00	0.00
Col25	42	0.48	0.00	0.00
Col25	43	0.48	0.00	0.00
Col25	44	0.09	0.00	0.00
Col25	45	0.08	0.00	0.00
Col25	46	0.68	0.00	0.00
Col25	47	0.32	0.00	0.35
Col25	48	0.46	0.00	0.35
Col25	49	0.13	0.00	0.00
Col25	50	0.13	0.00	0.00
Col25	51	0.09	0.00	0.00
Col25	52	0.09	0.00	0.00
Col25	53	0.77	0.00	0.00
Col25	54	0.61	0.00	0.00
Col25	55	0.61	0.00	0.35
Col25	56	0.61	0.00	0.00
Col26	1	0.82	0.00	0.00
Col26	2	0.13	0.00	0.00
Col26	3	0.59	0.00	0.00
Col26	4	0.59	0.00	0.00
Col26	5	0.65	0.00	0.00
Col26	6	0.48	0.00	0.00
Col26	7	0.48	0.00	0.00
Col26	8	-0.33	0.00	-0.42
Col26	9	-0.15	0.00	-0.42
Col26	10	-0.33	0.00	0.47
Col26	11	-0.15	0.00	0.47
Col26	12	-0.33	0.00	0.47
Col26	13	-0.15	0.00	0.47
Col26	14	-0.19	0.00	0.47
Col26	15	0.00	0.00	0.47
Col26	16	0.42	0.00	0.35
Col26	17	0.56	0.00	0.35
Col26	18	0.31	0.00	0.35
Col26	19	0.45	0.00	0.35
Col26	20	0.25	0.00	0.35
Col26	21	0.39	0.00	0.35
Col26	22	0.14	0.00	0.35
Col26	23	0.28	0.00	0.35
Col26	24	0.25	0.00	0.35
Col26	25	0.39	0.00	0.35
Col26	26	0.14	0.00	0.35
Col26	27	0.28	0.00	0.35
Col26	28	-0.36	0.00	-0.42
Col26	29	-0.17	0.00	-0.42

Col26	30	-0.36	0.00	0.47
Col26	31	-0.17	0.00	0.47
Col26	32	-0.36	0.00	0.47
Col26	33	-0.17	0.00	0.47
Col26	34	-0.22	0.00	0.47
Col26	35	-0.03	0.00	0.47
Col26	36	0.13	0.00	0.00
Col26	37	0.13	0.00	0.00
Col26	38	0.65	0.00	0.00
Col26	39	0.65	0.00	0.00
Col26	40	0.48	0.00	0.00
Col26	41	0.48	0.00	0.00
Col26	42	0.48	0.00	0.00
Col26	43	0.48	0.00	0.00
Col26	44	0.09	0.00	0.00
Col26	45	0.09	0.00	0.00
Col26	46	0.68	0.00	0.00
Col26	47	0.32	0.00	0.35
Col26	48	0.46	0.00	0.35
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	0.77	0.00	0.00
Col26	54	0.61	0.00	0.00
Col26	55	0.61	0.00	0.35
Col26	56	0.61	0.00	0.00
Col27	1	0.82	0.00	0.00
Col27	2	0.13	0.00	0.00
Col27	3	0.59	0.00	0.00
Col27	4	0.59	0.00	0.00
Col27	5	0.65	0.00	0.00
Col27	6	0.48	0.00	0.00
Col27	7	0.48	0.00	0.00
Col27	8	-0.23	0.00	0.00
Col27	9	-0.23	0.00	0.00
Col27	10	-0.23	0.00	0.00
Col27	11	-0.23	0.00	0.00
Col27	12	-0.23	0.00	0.00
Col27	13	-0.23	0.00	0.00
Col27	14	-0.09	0.00	0.00
Col27	15	-0.09	0.00	0.00
Col27	16	0.49	0.00	0.00
Col27	17	0.49	0.00	0.00
Col27	18	0.39	0.00	0.00
Col27	19	0.39	0.00	0.00
Col27	20	0.32	0.00	0.00
Col27	21	0.32	0.00	0.00
Col27	22	0.22	0.00	0.00
Col27	23	0.22	0.00	0.00
Col27	24	0.32	0.00	0.00
Col27	25	0.32	0.00	0.00
Col27	26	0.22	0.00	0.00
Col27	27	0.22	0.00	0.00
Col27	28	-0.26	0.00	0.00
Col27	29	-0.26	0.00	0.00
Col27	30	-0.26	0.00	0.00
Col27	31	-0.26	0.00	0.00
Col27	32	-0.26	0.00	0.00
Col27	33	-0.26	0.00	0.00
Col27	34	-0.12	0.00	0.00
Col27	35	-0.12	0.00	0.00
Col27	36	0.13	0.00	0.00
Col27	37	0.13	0.00	0.00
Col27	38	0.65	0.00	0.00

Col27	39	0.65	0.00	0.00
Col27	40	0.48	0.00	0.00
Col27	41	0.48	0.00	0.00
Col27	42	0.48	0.00	0.00
Col27	43	0.48	0.00	0.00
Col27	44	0.08	0.00	0.00
Col27	45	0.08	0.00	0.00
Col27	46	0.67	0.00	0.00
Col27	47	0.38	0.00	0.00
Col27	48	0.38	0.00	0.00
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	0.75	0.00	0.00
Col27	54	0.60	0.00	0.00
Col27	55	0.60	0.00	0.00
Col27	56	0.60	0.00	0.00
Col28	1	0.82	0.00	0.00
Col28	2	0.13	0.00	0.00
Col28	3	0.59	0.00	0.00
Col28	4	0.59	0.00	0.00
Col28	5	0.65	0.00	0.00
Col28	6	0.48	0.00	0.00
Col28	7	0.48	0.00	0.00
Col28	8	-0.15	0.00	-0.42
Col28	9	-0.33	0.00	-0.42
Col28	10	-0.15	0.00	0.47
Col28	11	-0.33	0.00	0.47
Col28	12	-0.15	0.00	0.47
Col28	13	-0.33	0.00	0.47
Col28	14	0.00	0.00	0.47
Col28	15	-0.19	0.00	0.47
Col28	16	0.56	0.00	0.35
Col28	17	0.42	0.00	0.35
Col28	18	0.45	0.00	0.35
Col28	19	0.31	0.00	0.35
Col28	20	0.39	0.00	0.35
Col28	21	0.25	0.00	0.35
Col28	22	0.28	0.00	0.35
Col28	23	0.14	0.00	0.35
Col28	24	0.39	0.00	0.35
Col28	25	0.25	0.00	0.35
Col28	26	0.28	0.00	0.35
Col28	27	0.14	0.00	0.35
Col28	28	-0.17	0.00	-0.42
Col28	29	-0.36	0.00	-0.42
Col28	30	-0.17	0.00	0.47
Col28	31	-0.36	0.00	0.47
Col28	32	-0.17	0.00	0.47
Col28	33	-0.36	0.00	0.47
Col28	34	-0.03	0.00	0.47
Col28	35	-0.22	0.00	0.47
Col28	36	0.13	0.00	0.00
Col28	37	0.13	0.00	0.00
Col28	38	0.65	0.00	0.00
Col28	39	0.65	0.00	0.00
Col28	40	0.48	0.00	0.00
Col28	41	0.48	0.00	0.00
Col28	42	0.48	0.00	0.00
Col28	43	0.48	0.00	0.00
Col28	44	0.09	0.00	0.00
Col28	45	0.09	0.00	0.00
Col28	46	0.68	0.00	0.00
Col28	47	0.46	0.00	0.35

Col28	48	0.32	0.00	0.35
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	0.77	0.00	0.00
Col28	54	0.61	0.00	0.00
Col28	55	0.61	0.00	0.35
Col28	56	0.61	0.00	0.00
Col29	1	0.82	0.00	0.00
Col29	2	0.13	0.00	0.00
Col29	3	0.59	0.00	0.00
Col29	4	0.59	0.00	0.00
Col29	5	0.65	0.00	0.00
Col29	6	0.48	0.00	0.00
Col29	7	0.48	0.00	0.00
Col29	8	-0.15	0.00	-0.42
Col29	9	-0.33	0.00	-0.42
Col29	10	-0.15	0.00	0.46
Col29	11	-0.33	0.00	0.46
Col29	12	-0.15	0.00	0.46
Col29	13	-0.33	0.00	0.46
Col29	14	0.00	0.00	0.46
Col29	15	-0.19	0.00	0.46
Col29	16	0.56	0.00	0.35
Col29	17	0.42	0.00	0.35
Col29	18	0.45	0.00	0.35
Col29	19	0.31	0.00	0.35
Col29	20	0.39	0.00	0.35
Col29	21	0.25	0.00	0.35
Col29	22	0.28	0.00	0.35
Col29	23	0.14	0.00	0.35
Col29	24	0.39	0.00	0.35
Col29	25	0.25	0.00	0.35
Col29	26	0.28	0.00	0.35
Col29	27	0.14	0.00	0.35
Col29	28	-0.17	0.00	-0.42
Col29	29	-0.36	0.00	-0.42
Col29	30	-0.17	0.00	0.46
Col29	31	-0.36	0.00	0.46
Col29	32	-0.17	0.00	0.46
Col29	33	-0.36	0.00	0.46
Col29	34	-0.03	0.00	0.46
Col29	35	-0.22	0.00	0.46
Col29	36	0.13	0.00	0.00
Col29	37	0.13	0.00	0.00
Col29	38	0.65	0.00	0.00
Col29	39	0.65	0.00	0.00
Col29	40	0.48	0.00	0.00
Col29	41	0.48	0.00	0.00
Col29	42	0.48	0.00	0.00
Col29	43	0.48	0.00	0.00
Col29	44	0.08	0.00	0.00
Col29	45	0.09	0.00	0.00
Col29	46	0.68	0.00	0.00
Col29	47	0.46	0.00	0.35
Col29	48	0.32	0.00	0.35
Col29	49	0.13	0.00	0.00
Col29	50	0.13	0.00	0.00
Col29	51	0.09	0.00	0.00
Col29	52	0.09	0.00	0.00
Col29	53	0.77	0.00	0.00
Col29	54	0.61	0.00	0.00
Col29	55	0.61	0.00	0.35
Col29	56	0.61	0.00	0.00



Col130	1	0.82	0.00	0.00
Col130	2	0.13	0.00	0.00
Col130	3	0.59	0.00	0.00
Col130	4	0.59	0.00	0.00
Col130	5	0.65	0.00	0.00
Col130	6	0.48	0.00	0.00
Col130	7	0.48	0.00	0.00
Col130	8	-0.15	0.00	-0.41
Col130	9	-0.33	0.00	-0.41
Col130	10	-0.15	0.00	0.46
Col130	11	-0.33	0.00	0.46
Col130	12	-0.15	0.00	0.46
Col130	13	-0.33	0.00	0.46
Col130	14	0.00	0.00	0.46
Col130	15	-0.19	0.00	0.46
Col130	16	0.56	0.00	0.34
Col130	17	0.42	0.00	0.34
Col130	18	0.45	0.00	0.34
Col130	19	0.31	0.00	0.34
Col130	20	0.39	0.00	0.34
Col130	21	0.25	0.00	0.34
Col130	22	0.28	0.00	0.34
Col130	23	0.14	0.00	0.34
Col130	24	0.39	0.00	0.34
Col130	25	0.25	0.00	0.34
Col130	26	0.28	0.00	0.34
Col130	27	0.14	0.00	0.34
Col130	28	-0.18	0.00	-0.41
Col130	29	-0.36	0.00	-0.41
Col130	30	-0.18	0.00	0.46
Col130	31	-0.36	0.00	0.46
Col130	32	-0.18	0.00	0.46
Col130	33	-0.36	0.00	0.46
Col130	34	-0.03	0.00	0.46
Col130	35	-0.22	0.00	0.46
Col130	36	0.13	0.00	0.00
Col130	37	0.13	0.00	0.00
Col130	38	0.65	0.00	0.00
Col130	39	0.65	0.00	0.00
Col130	40	0.48	0.00	0.00
Col130	41	0.48	0.00	0.00
Col130	42	0.48	0.00	0.00
Col130	43	0.48	0.00	0.00
Col130	44	0.08	0.00	0.00
Col130	45	0.08	0.00	0.00
Col130	46	0.68	0.00	0.00
Col130	47	0.46	0.00	0.34
Col130	48	0.32	0.00	0.34
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	0.76	0.00	0.00
Col130	54	0.60	0.00	0.00
Col130	55	0.60	0.00	0.34
Col130	56	0.60	0.00	0.00
Col131	1	0.82	0.00	0.00
Col131	2	0.13	0.00	0.00
Col131	3	0.59	0.00	0.00
Col131	4	0.59	0.00	0.00
Col131	5	0.65	0.00	0.00
Col131	6	0.48	0.00	0.00
Col131	7	0.48	0.00	0.00
Col131	8	-0.15	0.00	-0.41
Col131	9	-0.33	0.00	-0.41

Col131	10	-0.15	0.00	0.45
Col131	11	-0.33	0.00	0.45
Col131	12	-0.15	0.00	0.45
Col131	13	-0.33	0.00	0.45
Col131	14	-0.01	0.00	0.45
Col131	15	-0.19	0.00	0.45
Col131	16	0.56	0.00	0.34
Col131	17	0.42	0.00	0.34
Col131	18	0.45	0.00	0.34
Col131	19	0.31	0.00	0.34
Col131	20	0.39	0.00	0.34
Col131	21	0.25	0.00	0.34
Col131	22	0.28	0.00	0.34
Col131	23	0.14	0.00	0.34
Col131	24	0.39	0.00	0.34
Col131	25	0.25	0.00	0.34
Col131	26	0.28	0.00	0.34
Col131	27	0.14	0.00	0.34
Col131	28	-0.18	0.00	-0.41
Col131	29	-0.36	0.00	-0.41
Col131	30	-0.18	0.00	0.45
Col131	31	-0.36	0.00	0.45
Col131	32	-0.18	0.00	0.45
Col131	33	-0.36	0.00	0.45
Col131	34	-0.03	0.00	0.45
Col131	35	-0.22	0.00	0.45
Col131	36	0.13	0.00	0.00
Col131	37	0.13	0.00	0.00
Col131	38	0.65	0.00	0.00
Col131	39	0.65	0.00	0.00
Col131	40	0.48	0.00	0.00
Col131	41	0.48	0.00	0.00
Col131	42	0.48	0.00	0.00
Col131	43	0.48	0.00	0.00
Col131	44	0.08	0.00	0.00
Col131	45	0.08	0.00	0.00
Col131	46	0.68	0.00	0.00
Col131	47	0.45	0.00	0.34
Col131	48	0.31	0.00	0.34
Col131	49	0.13	0.00	0.00
Col131	50	0.13	0.00	0.00
Col131	51	0.09	0.00	0.00
Col131	52	0.09	0.00	0.00
Col131	53	0.65	0.00	0.00
Col131	54	0.52	0.00	0.00
Col131	55	0.52	0.00	0.34
Col131	56	0.52	0.00	0.00
Col132	1	0.82	0.00	0.00
Col132	2	0.13	0.00	0.00
Col132	3	0.59	0.00	0.00
Col132	4	0.59	0.00	0.00
Col132	5	0.65	0.00	0.00
Col132	6	0.48	0.00	0.00
Col132	7	0.48	0.00	0.00
Col132	8	-0.15	0.00	-0.40
Col132	9	-0.33	0.00	-0.40
Col132	10	-0.15	0.00	0.47
Col132	11	-0.33	0.00	0.47
Col132	12	-0.15	0.00	0.47
Col132	13	-0.33	0.00	0.47
Col132	14	-0.01	0.00	0.47
Col132	15	-0.19	0.00	0.47
Col132	16	0.56	0.00	0.35
Col132	17	0.42	0.00	0.35
Col132	18	0.45	0.00	0.35

Col132	19	0.31	0.00	0.35
Col132	20	0.39	0.00	0.35
Col132	21	0.25	0.00	0.35
Col132	22	0.28	0.00	0.35
Col132	23	0.14	0.00	0.35
Col132	24	0.39	0.00	0.35
Col132	25	0.25	0.00	0.35
Col132	26	0.28	0.00	0.35
Col132	27	0.14	0.00	0.35
Col132	28	-0.18	0.00	-0.40
Col132	29	-0.36	0.00	-0.40
Col132	30	-0.18	0.00	0.47
Col132	31	-0.36	0.00	0.47
Col132	32	-0.18	0.00	0.47
Col132	33	-0.36	0.00	0.47
Col132	34	-0.03	0.00	0.47
Col132	35	-0.22	0.00	0.47
Col132	36	0.13	0.00	0.00
Col132	37	0.13	0.00	0.00
Col132	38	0.65	0.00	0.00
Col132	39	0.65	0.00	0.00
Col132	40	0.48	0.00	0.00
Col132	41	0.48	0.00	0.00
Col132	42	0.48	0.00	0.00
Col132	43	0.48	0.00	0.00
Col132	44	0.08	0.00	0.00
Col132	45	0.08	0.00	0.00
Col132	46	0.68	0.00	0.00
Col132	47	0.45	0.00	0.35
Col132	48	0.31	0.00	0.35
Col132	49	0.13	0.00	0.00
Col132	50	0.13	0.00	0.00
Col132	51	0.09	0.00	0.00
Col132	52	0.09	0.00	0.00
Col132	53	0.59	0.00	0.00
Col132	54	0.48	0.00	0.00
Col132	55	0.48	0.00	0.35
Col132	56	0.48	0.00	0.00

COLUMN DEFLECTIONS:

Id	Load	Deflection (in)	
	Id	Calc	Limit
Col122	1	0.00	1.08
Col122	2	0.00	1.08
Col122	3	0.00	1.08
Col122	4	0.00	1.08
Col122	5	0.00	1.08
Col122	6	0.00	1.08
Col122	7	0.00	1.08
Col122	8	-0.69	1.08
Col122	9	-0.69	1.08
Col122	10	0.80	1.08
Col122	11	0.80	1.08
Col122	12	0.80	1.08
Col122	13	0.80	1.08
Col122	14	0.80	1.08
Col122	15	0.80	1.08
Col122	16	0.60	1.08
Col122	17	0.60	1.08
Col122	18	0.60	1.08
Col122	19	0.60	1.08
Col122	20	0.60	1.08
Col122	21	0.60	1.08

Col122	22	0.60	1.08
Col122	23	0.60	1.08
Col122	24	0.60	1.08
Col122	25	0.60	1.08
Col122	26	0.60	1.08
Col122	27	0.60	1.08
Col122	28	-0.69	1.08
Col122	29	-0.69	1.08
Col122	30	0.80	1.08
Col122	31	0.80	1.08
Col122	32	0.80	1.08
Col122	33	0.80	1.08
Col122	34	0.80	1.08
Col122	35	0.80	1.08
Col122	36	0.00	1.08
Col122	37	0.00	1.08
Col122	38	0.00	1.08
Col122	39	0.00	1.08
Col122	40	0.00	1.08
Col122	41	0.00	1.08
Col122	42	0.00	1.08
Col122	43	0.00	1.08
Col122	44	0.00	1.08
Col122	45	0.00	1.08
Col122	46	0.00	1.08
Col122	47	0.36	1.08
Col122	48	0.36	1.08
Col122	49	0.00	1.08
Col122	50	0.00	1.08
Col122	51	0.60	1.08
Col122	52	0.00	1.08
Col123	1	0.00	1.09
Col123	2	0.00	1.09
Col123	3	0.00	1.09
Col123	4	0.00	1.09
Col123	5	0.00	1.09
Col123	6	0.00	1.09
Col123	7	0.00	1.09
Col123	8	-0.72	1.09
Col123	9	-0.72	1.09
Col123	10	0.80	1.09
Col123	11	0.80	1.09
Col123	12	0.80	1.09
Col123	13	0.80	1.09
Col123	14	0.80	1.09
Col123	15	0.80	1.09
Col123	16	0.60	1.09
Col123	17	0.60	1.09
Col123	18	0.60	1.09
Col123	19	0.60	1.09
Col123	20	0.60	1.09
Col123	21	0.60	1.09
Col123	22	0.60	1.09
Col123	23	0.60	1.09
Col123	24	0.60	1.09
Col123	25	0.60	1.09
Col123	26	0.60	1.09
Col123	27	0.60	1.09
Col123	28	-0.72	1.09
Col123	29	-0.72	1.09
Col123	30	0.80	1.09
Col123	31	0.80	1.09
Col123	32	0.80	1.09
Col123	33	0.80	1.09
Col123	34	0.80	1.09

Col23	35	0.80	1.09
Col23	36	0.00	1.09
Col23	37	0.00	1.09
Col23	38	0.00	1.09
Col23	39	0.00	1.09
Col23	40	0.00	1.09
Col23	41	0.00	1.09
Col23	42	0.00	1.09
Col23	43	0.00	1.09
Col23	44	0.00	1.09
Col23	45	0.00	1.09
Col23	46	0.00	1.09
Col23	47	0.36	1.09
Col23	48	0.36	1.09
Col23	49	0.00	1.09
Col23	50	0.00	1.09
Col23	51	0.60	1.09
Col23	52	0.00	1.09
Col24	1	0.00	1.10
Col24	2	0.00	1.10
Col24	3	0.00	1.10
Col24	4	0.00	1.10
Col24	5	0.00	1.10
Col24	6	0.00	1.10
Col24	7	0.00	1.10
Col24	8	-0.76	1.10
Col24	9	-0.76	1.10
Col24	10	0.84	1.10
Col24	11	0.84	1.10
Col24	12	0.84	1.10
Col24	13	0.84	1.10
Col24	14	0.84	1.10
Col24	15	0.84	1.10
Col24	16	0.63	1.10
Col24	17	0.63	1.10
Col24	18	0.63	1.10
Col24	19	0.63	1.10
Col24	20	0.63	1.10
Col24	21	0.63	1.10
Col24	22	0.63	1.10
Col24	23	0.63	1.10
Col24	24	0.63	1.10
Col24	25	0.63	1.10
Col24	26	0.63	1.10
Col24	27	0.63	1.10
Col24	28	-0.76	1.10
Col24	29	-0.76	1.10
Col24	30	0.84	1.10
Col24	31	0.84	1.10
Col24	32	0.84	1.10
Col24	33	0.84	1.10
Col24	34	0.84	1.10
Col24	35	0.84	1.10
Col24	36	0.00	1.10
Col24	37	0.00	1.10
Col24	38	0.00	1.10
Col24	39	0.00	1.10
Col24	40	0.00	1.10
Col24	41	0.00	1.10
Col24	42	0.00	1.10
Col24	43	0.00	1.10
Col24	44	0.00	1.10
Col24	45	0.00	1.10
Col24	46	0.00	1.10
Col24	47	0.38	1.10

Col24	48	0.38	1.10
Col24	49	0.00	1.10
Col24	50	0.00	1.10
Col24	51	0.63	1.10
Col24	52	0.00	1.10
Col25	1	0.00	1.12
Col25	2	0.00	1.12
Col25	3	0.00	1.12
Col25	4	0.00	1.12
Col25	5	0.00	1.12
Col25	6	0.00	1.12
Col25	7	0.00	1.12
Col25	8	-0.80	1.12
Col25	9	-0.80	1.12
Col25	10	0.89	1.12
Col25	11	0.89	1.12
Col25	12	0.89	1.12
Col25	13	0.89	1.12
Col25	14	0.89	1.12
Col25	15	0.89	1.12
Col25	16	0.67	1.12
Col25	17	0.67	1.12
Col25	18	0.67	1.12
Col25	19	0.67	1.12
Col25	20	0.67	1.12
Col25	21	0.67	1.12
Col25	22	0.67	1.12
Col25	23	0.67	1.12
Col25	24	0.67	1.12
Col25	25	0.67	1.12
Col25	26	0.67	1.12
Col25	27	0.67	1.12
Col25	28	-0.80	1.12
Col25	29	-0.80	1.12
Col25	30	0.89	1.12
Col25	31	0.89	1.12
Col25	32	0.89	1.12
Col25	33	0.89	1.12
Col25	34	0.89	1.12
Col25	35	0.89	1.12
Col25	36	0.00	1.12
Col25	37	0.00	1.12
Col25	38	0.00	1.12
Col25	39	0.00	1.12
Col25	40	0.00	1.12
Col25	41	0.00	1.12
Col25	42	0.00	1.12
Col25	43	0.00	1.12
Col25	44	0.00	1.12
Col25	45	0.00	1.12
Col25	46	0.00	1.12
Col25	47	0.40	1.12
Col25	48	0.40	1.12
Col25	49	0.00	1.12
Col25	50	0.00	1.12
Col25	51	0.67	1.12
Col25	52	0.00	1.12
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	-0.84	1.13

Col26	9	-0.84	1.13
Col26	10	0.93	1.13
Col26	11	0.93	1.13
Col26	12	0.93	1.13
Col26	13	0.93	1.13
Col26	14	0.93	1.13
Col26	15	0.93	1.13
Col26	16	0.70	1.13
Col26	17	0.70	1.13
Col26	18	0.70	1.13
Col26	19	0.70	1.13
Col26	20	0.70	1.13
Col26	21	0.70	1.13
Col26	22	0.70	1.13
Col26	23	0.70	1.13
Col26	24	0.70	1.13
Col26	25	0.70	1.13
Col26	26	0.70	1.13
Col26	27	0.70	1.13
Col26	28	-0.84	1.13
Col26	29	-0.84	1.13
Col26	30	0.93	1.13
Col26	31	0.93	1.13
Col26	32	0.93	1.13
Col26	33	0.93	1.13
Col26	34	0.93	1.13
Col26	35	0.93	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	0.42	1.13
Col26	48	0.42	1.13
Col26	49	0.00	1.13
Col26	50	0.00	1.13
Col26	51	0.70	1.13
Col26	52	0.00	1.13
Col27	1	0.00	1.14
Col27	2	0.00	1.14
Col27	3	0.00	1.14
Col27	4	0.00	1.14
Col27	5	0.00	1.14
Col27	6	0.00	1.14
Col27	7	0.00	1.14
Col27	8	0.00	1.14
Col27	9	0.00	1.14
Col27	10	0.00	1.14
Col27	11	0.00	1.14
Col27	12	0.00	1.14
Col27	13	0.00	1.14
Col27	14	0.00	1.14
Col27	15	0.00	1.14
Col27	16	0.00	1.14
Col27	17	0.00	1.14
Col27	18	0.00	1.14
Col27	19	0.00	1.14
Col27	20	0.00	1.14
Col27	21	0.00	1.14

Col27	22	0.00	1.14
Col27	23	0.00	1.14
Col27	24	0.00	1.14
Col27	25	0.00	1.14
Col27	26	0.00	1.14
Col27	27	0.00	1.14
Col27	28	0.00	1.14
Col27	29	0.00	1.14
Col27	30	0.00	1.14
Col27	31	0.00	1.14
Col27	32	0.00	1.14
Col27	33	0.00	1.14
Col27	34	0.00	1.14
Col27	35	0.00	1.14
Col27	36	0.00	1.14
Col27	37	0.00	1.14
Col27	38	0.00	1.14
Col27	39	0.00	1.14
Col27	40	0.00	1.14
Col27	41	0.00	1.14
Col27	42	0.00	1.14
Col27	43	0.00	1.14
Col27	44	0.00	1.14
Col27	45	0.00	1.14
Col27	46	0.00	1.14
Col27	47	0.00	1.14
Col27	48	0.00	1.14
Col27	49	0.00	1.14
Col27	50	0.00	1.14
Col27	51	0.00	1.14
Col27	52	0.00	1.14
Col28	1	0.00	1.13
Col28	2	0.00	1.13
Col28	3	0.00	1.13
Col28	4	0.00	1.13
Col28	5	0.00	1.13
Col28	6	0.00	1.13
Col28	7	0.00	1.13
Col28	8	-0.84	1.13
Col28	9	-0.84	1.13
Col28	10	0.93	1.13
Col28	11	0.93	1.13
Col28	12	0.93	1.13
Col28	13	0.93	1.13
Col28	14	0.93	1.13
Col28	15	0.93	1.13
Col28	16	0.70	1.13
Col28	17	0.70	1.13
Col28	18	0.70	1.13
Col28	19	0.70	1.13
Col28	20	0.70	1.13
Col28	21	0.70	1.13
Col28	22	0.70	1.13
Col28	23	0.70	1.13
Col28	24	0.70	1.13
Col28	25	0.70	1.13
Col28	26	0.70	1.13
Col28	27	0.70	1.13
Col28	28	-0.84	1.13
Col28	29	-0.84	1.13
Col28	30	0.93	1.13
Col28	31	0.93	1.13
Col28	32	0.93	1.13
Col28	33	0.93	1.13
Col28	34	0.93	1.13



Col28	35	0.93	1.13
Col28	36	0.00	1.13
Col28	37	0.00	1.13
Col28	38	0.00	1.13
Col28	39	0.00	1.13
Col28	40	0.00	1.13
Col28	41	0.00	1.13
Col28	42	0.00	1.13
Col28	43	0.00	1.13
Col28	44	0.00	1.13
Col28	45	0.00	1.13
Col28	46	0.00	1.13
Col28	47	0.42	1.13
Col28	48	0.42	1.13
Col28	49	0.00	1.13
Col28	50	0.00	1.13
Col28	51	0.70	1.13
Col28	52	0.00	1.13
Col29	1	0.00	1.12
Col29	2	0.00	1.12
Col29	3	0.00	1.12
Col29	4	0.00	1.12
Col29	5	0.00	1.12
Col29	6	0.00	1.12
Col29	7	0.00	1.12
Col29	8	-0.80	1.12
Col29	9	-0.80	1.12
Col29	10	0.89	1.12
Col29	11	0.89	1.12
Col29	12	0.89	1.12
Col29	13	0.89	1.12
Col29	14	0.89	1.12
Col29	15	0.89	1.12
Col29	16	0.67	1.12
Col29	17	0.67	1.12
Col29	18	0.67	1.12
Col29	19	0.67	1.12
Col29	20	0.67	1.12
Col29	21	0.67	1.12
Col29	22	0.67	1.12
Col29	23	0.67	1.12
Col29	24	0.67	1.12
Col29	25	0.67	1.12
Col29	26	0.67	1.12
Col29	27	0.67	1.12
Col29	28	-0.80	1.12
Col29	29	-0.80	1.12
Col29	30	0.89	1.12
Col29	31	0.89	1.12
Col29	32	0.89	1.12
Col29	33	0.89	1.12
Col29	34	0.89	1.12
Col29	35	0.89	1.12
Col29	36	0.00	1.12
Col29	37	0.00	1.12
Col29	38	0.00	1.12
Col29	39	0.00	1.12
Col29	40	0.00	1.12
Col29	41	0.00	1.12
Col29	42	0.00	1.12
Col29	43	0.00	1.12
Col29	44	0.00	1.12
Col29	45	0.00	1.12
Col29	46	0.00	1.12
Col29	47	0.40	1.12

Col129	48	0.40	1.12
Col129	49	0.00	1.12
Col129	50	0.00	1.12
Col129	51	0.67	1.12
Col129	52	0.00	1.12
Col130	1	0.00	1.10
Col130	2	0.00	1.10
Col130	3	0.00	1.10
Col130	4	0.00	1.10
Col130	5	0.00	1.10
Col130	6	0.00	1.10
Col130	7	0.00	1.10
Col130	8	-0.76	1.10
Col130	9	-0.76	1.10
Col130	10	0.84	1.10
Col130	11	0.84	1.10
Col130	12	0.84	1.10
Col130	13	0.84	1.10
Col130	14	0.84	1.10
Col130	15	0.84	1.10
Col130	16	0.63	1.10
Col130	17	0.63	1.10
Col130	18	0.63	1.10
Col130	19	0.63	1.10
Col130	20	0.63	1.10
Col130	21	0.63	1.10
Col130	22	0.63	1.10
Col130	23	0.63	1.10
Col130	24	0.63	1.10
Col130	25	0.63	1.10
Col130	26	0.63	1.10
Col130	27	0.63	1.10
Col130	28	-0.76	1.10
Col130	29	-0.76	1.10
Col130	30	0.84	1.10
Col130	31	0.84	1.10
Col130	32	0.84	1.10
Col130	33	0.84	1.10
Col130	34	0.84	1.10
Col130	35	0.84	1.10
Col130	36	0.00	1.10
Col130	37	0.00	1.10
Col130	38	0.00	1.10
Col130	39	0.00	1.10
Col130	40	0.00	1.10
Col130	41	0.00	1.10
Col130	42	0.00	1.10
Col130	43	0.00	1.10
Col130	44	0.00	1.10
Col130	45	0.00	1.10
Col130	46	0.00	1.10
Col130	47	0.38	1.10
Col130	48	0.38	1.10
Col130	49	0.00	1.10
Col130	50	0.00	1.10
Col130	51	0.63	1.10
Col130	52	0.00	1.10
Col131	1	0.00	1.09
Col131	2	0.00	1.09
Col131	3	0.00	1.09
Col131	4	0.00	1.09
Col131	5	0.00	1.09
Col131	6	0.00	1.09
Col131	7	0.00	1.09
Col131	8	-0.72	1.09

Col131	9	-0.72	1.09
Col131	10	0.80	1.09
Col131	11	0.80	1.09
Col131	12	0.80	1.09
Col131	13	0.80	1.09
Col131	14	0.80	1.09
Col131	15	0.80	1.09
Col131	16	0.60	1.09
Col131	17	0.60	1.09
Col131	18	0.60	1.09
Col131	19	0.60	1.09
Col131	20	0.60	1.09
Col131	21	0.60	1.09
Col131	22	0.60	1.09
Col131	23	0.60	1.09
Col131	24	0.60	1.09
Col131	25	0.60	1.09
Col131	26	0.60	1.09
Col131	27	0.60	1.09
Col131	28	-0.72	1.09
Col131	29	-0.72	1.09
Col131	30	0.80	1.09
Col131	31	0.80	1.09
Col131	32	0.80	1.09
Col131	33	0.80	1.09
Col131	34	0.80	1.09
Col131	35	0.80	1.09
Col131	36	0.00	1.09
Col131	37	0.00	1.09
Col131	38	0.00	1.09
Col131	39	0.00	1.09
Col131	40	0.00	1.09
Col131	41	0.00	1.09
Col131	42	0.00	1.09
Col131	43	0.00	1.09
Col131	44	0.00	1.09
Col131	45	0.00	1.09
Col131	46	0.00	1.09
Col131	47	0.36	1.09
Col131	48	0.36	1.09
Col131	49	0.00	1.09
Col131	50	0.00	1.09
Col131	51	0.60	1.09
Col131	52	0.00	1.09
Col132	1	0.00	1.08
Col132	2	0.00	1.08
Col132	3	0.00	1.08
Col132	4	0.00	1.08
Col132	5	0.00	1.08
Col132	6	0.00	1.08
Col132	7	0.00	1.08
Col132	8	-0.69	1.08
Col132	9	-0.69	1.08
Col132	10	0.80	1.08
Col132	11	0.80	1.08
Col132	12	0.80	1.08
Col132	13	0.80	1.08
Col132	14	0.80	1.08
Col132	15	0.80	1.08
Col132	16	0.60	1.08
Col132	17	0.60	1.08
Col132	18	0.60	1.08
Col132	19	0.60	1.08
Col132	20	0.60	1.08
Col132	21	0.60	1.08

Col132	22	0.60	1.08
Col132	23	0.60	1.08
Col132	24	0.60	1.08
Col132	25	0.60	1.08
Col132	26	0.60	1.08
Col132	27	0.60	1.08
Col132	28	-0.69	1.08
Col132	29	-0.69	1.08
Col132	30	0.80	1.08
Col132	31	0.80	1.08
Col132	32	0.80	1.08
Col132	33	0.80	1.08
Col132	34	0.80	1.08
Col132	35	0.80	1.08
Col132	36	0.00	1.08
Col132	37	0.00	1.08
Col132	38	0.00	1.08
Col132	39	0.00	1.08
Col132	40	0.00	1.08
Col132	41	0.00	1.08
Col132	42	0.00	1.08
Col132	43	0.00	1.08
Col132	44	0.00	1.08
Col132	45	0.00	1.08
Col132	46	0.00	1.08
Col132	47	0.36	1.08
Col132	48	0.36	1.08
Col132	49	0.00	1.08
Col132	50	0.00	1.08
Col132	51	0.60	1.08
Col132	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
Col122	16.1	4.1	4.1	84	66	0.00	0.00
Col123	16.3	4.3	4.3	85	70	0.00	0.00
Col124	16.5	4.5	4.5	86	73	0.00	0.00
Col125	16.8	4.8	4.8	87	77	0.00	0.00
Col126	17.0	5.0	5.0	88	80	0.00	0.00
Col127	0.1	5.1	5.1	1	82	0.00	0.00
Col128	17.0	5.0	5.0	88	80	0.00	0.00
Col129	16.8	4.8	4.8	87	77	0.00	0.00
Col130	16.5	4.5	4.5	86	73	0.00	0.00
Col131	16.3	4.3	4.3	85	70	0.00	0.00
Col132	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	-0.09	3.32	-0.10	2.65	0.04	0.00	0.60
		WS	0.11	3.32	0.12	2.65	0.05	0.00	0.60
2	1	WP	-0.09	3.32	-0.10	2.65	0.04	0.00	0.60
		WS	0.10	3.32	0.11	2.65	0.04	0.00	0.60
	3	WP	-0.09	3.32	-0.10	2.65	0.04	0.00	0.60
		WS	0.10	3.32	0.12	2.65	0.04	0.00	0.60
3	1	WP	-0.09	3.32	-0.10	2.65	0.04	0.00	0.60
		WS	0.10	3.32	0.11	2.65	0.04	0.00	0.60
	3	WP	-0.09	3.32	-0.11	2.65	0.04	0.00	0.60
		WS	0.10	3.32	0.12	2.65	0.04	0.00	0.60
4	1	WP	-0.09	3.32	-0.10	2.65	0.04	0.00	0.60
		WS	0.10	3.32	0.11	2.65	0.04	0.00	0.60
	3	WP	-0.10	3.32	-0.11	2.65	0.04	0.00	0.60
		WS	0.11	3.32	0.12	2.65	0.05	0.00	0.60

5	1	WP	-0.09	3.32	-0.10	2.65	0.04	0.00	0.60
		WS	0.10	3.32	0.11	2.65	0.04	0.00	0.60
	3	WP	-0.10	3.32	-0.11	2.65	0.04	0.00	0.60
		WS	0.11	3.32	0.12	2.65	0.05	0.00	0.60
6	1	WP	-0.09	3.32	-0.10	2.65	0.04	0.00	0.60
		WS	0.10	3.32	0.11	2.65	0.04	0.00	0.60
	3	WP	-0.10	3.32	-0.11	2.65	0.04	0.00	0.60
		WS	0.11	3.32	0.13	2.65	0.05	0.00	0.60
7	1	WP	-0.09	3.32	-0.10	2.65	0.04	0.00	0.60
		WS	0.10	3.32	0.11	2.65	0.04	0.00	0.60
	3	WP	-0.10	3.32	-0.11	2.65	0.04	0.00	0.60
		WS	0.11	3.32	0.13	2.65	0.05	0.00	0.60
8	1	WP	-0.09	3.32	-0.10	2.65	0.04	0.00	0.60
		WS	0.10	3.32	0.11	2.65	0.04	0.00	0.60
	3	WP	-0.10	3.32	-0.11	2.65	0.04	0.00	0.60
		WS	0.11	3.32	0.12	2.65	0.05	0.00	0.60
9	1	WP	-0.09	3.32	-0.10	2.65	0.04	0.00	0.60
		WS	0.10	3.32	0.11	2.65	0.04	0.00	0.60
	3	WP	-0.10	3.32	-0.11	2.65	0.04	0.00	0.60
		WS	0.11	3.32	0.12	2.65	0.05	0.00	0.60
10	1	WP	-0.09	3.32	-0.10	2.65	0.04	0.00	0.60
		WS	0.10	3.32	0.11	2.65	0.04	0.00	0.60
	3	WP	-0.09	3.32	-0.11	2.65	0.04	0.00	0.60
		WS	0.10	3.32	0.12	2.65	0.04	0.00	0.60
11	1	WP	-0.09	3.32	-0.10	2.65	0.04	0.00	0.60
		WS	0.10	3.32	0.11	2.65	0.04	0.00	0.60
	3	WP	-0.09	3.32	-0.10	2.65	0.04	0.00	0.60
		WS	0.10	3.32	0.12	2.65	0.04	0.00	0.60
12	1	WP	-0.09	3.32	-0.11	2.65	0.04	0.00	0.62
		WS	0.11	3.32	0.13	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 &amp; DEFLECTION:

Span Id	Locate (ft)		Load	-----Moment (ft-lb/ft)-----						Max UC	Deflect (in)	
	Start	End		Start Calc	Limit	Midspan Calc	Limit	End Calc	Limit		Calc	Limit
1	0.00	4.00	WP	0.0	49.1	-15.1	49.1	21.9	38.1	0.57	-0.15	0.80
			WS	0.0	38.1	20.1	38.1	-29.2	49.1	0.59	0.20	0.80
2	4.00	8.00	WP	21.9	38.1	-8.2	49.1	11.8	38.1	0.57	-0.06	0.80
			WS	-29.2	49.1	11.0	38.1	-15.8	49.1	0.59	0.08	0.80
3	8.00	12.00	WP	11.8	38.1	-4.7	49.1	30.1	38.1	0.79	0.00	0.80
			WS	-15.8	49.1	6.3	38.1	-40.1	49.1	0.82	-0.01	0.80
4	12.00	17.01	WP	30.1	38.1	-25.4	49.1	0.0	38.1	0.79	-0.42	1.00
			WS	-40.1	49.1	33.9	38.1	0.0	38.1	0.89	0.56	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)-- Locate Width Thick			Panel Span (ft)
		Offset1	Offset2					
1	Interior	6.00	54.00	6	4.00	4.51	0.059	4.00
2	Lt Edge	0.00	6.00	1	4.00	4.00	0.059	4.00
3	Rt Edge	54.00	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 )----- Girt Panel Screw			Max UC
				Pullout	Pullover	Tension	
1	1.00	16.56	0.07	0.22	0.61	0.77	0.34
2	1.00	16.56	0.07	0.22	0.61	0.77	0.30
3	1.00	16.56	0.07	0.22	0.61	0.77	0.30



## WALL LAYOUT:

Wall Id	Orn	Load Width
4	L	2.50

## MEMBER LAYOUT:

Id	Locate (ft)	Part	---Web (in)---		-Flange (in)-		Length (ft)	Weight (lb)	----Max_Load----		
			Depth	Thick	Width	Thick			Id	UC	Report
Col34	0.0	6X2C16	6.00	16ga	2.00	16ga	15.9	34.8	17	0.48	Mom+Axl
Col35	13.8	6X2C16	6.00	16ga	2.00	16ga	15.9	34.8	1	0.08	Mom+Axl
Col36	27.8	6X2C16	6.00	16ga	2.00	16ga	15.9	34.8	1	0.08	Mom+Axl
Col37	41.8	6X2C16	6.00	16ga	2.00	16ga	15.9	34.8	1	0.08	Mom+Axl
Col38	55.8	6X2C16	6.00	16ga	2.00	16ga	15.9	34.8	1	0.08	Mom+Axl
Col39	69.8	6X2C16	6.00	16ga	2.00	16ga	15.9	34.8	1	0.08	Mom+Axl
Col40	83.5	6X2C16	6.00	16ga	2.00	16ga	15.9	34.8	17	0.48	Mom+Axl
Raf4		PB6EC	6.13	16ga	2.06	16ga	27.8	58.3			
Raf5		PB6EC	6.13	16ga	2.06	16ga	28.0	58.8			
Raf6		PB6EC	6.13	16ga	2.06	16ga	27.8	58.3			
Total=								418.7			

## 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+
Col34	1	0.44	1.40	0.00	3.32	0.00	0.48	0.31	0.00	0.31	0.00
Col34	2	0.09	1.40	0.00	3.32	0.00	0.48	0.07	0.00	0.07	0.00
Col34	3	0.32	1.40	0.00	3.32	0.00	0.48	0.23	0.00	0.23	0.00
Col34	4	0.32	1.40	0.00	3.32	0.00	0.48	0.23	0.00	0.23	0.00
Col34	5	0.35	1.40	0.00	3.32	0.00	0.48	0.25	0.00	0.25	0.00
Col34	6	0.26	1.40	0.00	3.32	0.00	0.48	0.19	0.00	0.19	0.00
Col34	7	0.26	1.40	0.00	3.32	0.00	0.48	0.19	0.00	0.19	0.00
Col34	8	-0.14	21.18	0.03	3.32	-0.14	0.48	0.01	0.01	0.28	0.00
Col34	9	-0.05	21.18	0.03	3.32	-0.14	0.48	0.00	0.01	0.29	0.00
Col34	10	-0.14	21.18	-0.04	3.32	0.16	0.48	0.01	0.01	0.34	0.00
Col34	11	-0.05	21.18	-0.04	3.32	0.16	0.48	0.00	0.01	0.34	0.00
Col34	12	-0.14	21.18	-0.04	3.32	0.16	0.48	0.01	0.01	0.34	0.00
Col34	13	-0.05	21.18	-0.04	3.32	0.16	0.48	0.00	0.01	0.34	0.00
Col34	14	-0.07	21.18	-0.04	3.32	0.16	0.48	0.00	0.01	0.34	0.00
Col34	15	0.02	1.40	-0.04	3.32	0.16	0.48	0.02	0.01	0.36	0.00
Col34	16	0.24	1.40	-0.03	3.32	0.12	0.48	0.17	0.01	0.43	0.00
Col34	17	0.31	1.40	-0.03	3.32	0.12	0.48	0.22	0.01	0.48	0.00
Col34	18	0.18	1.40	-0.03	3.32	0.12	0.48	0.13	0.01	0.39	0.00
Col34	19	0.25	1.40	-0.03	3.32	0.12	0.48	0.18	0.01	0.44	0.00
Col34	20	0.15	1.40	-0.03	3.32	0.12	0.48	0.11	0.01	0.36	0.00
Col34	21	0.22	1.40	-0.03	3.32	0.12	0.48	0.16	0.01	0.41	0.00
Col34	22	0.10	1.40	-0.03	3.32	0.12	0.48	0.07	0.01	0.33	0.00
Col34	23	0.17	1.40	-0.03	3.32	0.12	0.48	0.12	0.01	0.38	0.00
Col34	24	0.15	1.40	-0.03	3.32	0.12	0.48	0.11	0.01	0.36	0.00
Col34	25	0.22	1.40	-0.03	3.32	0.12	0.48	0.16	0.01	0.41	0.00
Col34	26	0.10	1.40	-0.03	3.32	0.12	0.48	0.07	0.01	0.33	0.00
Col34	27	0.17	1.40	-0.03	3.32	0.12	0.48	0.12	0.01	0.38	0.00
Col34	28	-0.15	21.18	0.03	3.32	-0.14	0.48	0.01	0.01	0.28	0.00
Col34	29	-0.06	21.18	0.03	3.32	-0.14	0.48	0.00	0.01	0.29	0.00
Col34	30	-0.15	21.18	-0.04	3.32	0.16	0.48	0.01	0.01	0.33	0.00

Col134	31	-0.06	21.18	-0.04	3.32	0.16	0.48	0.00	0.01	0.34	0.00
Col134	32	-0.15	21.18	-0.04	3.32	0.16	0.48	0.01	0.01	0.33	0.00
Col134	33	-0.06	21.18	-0.04	3.32	0.16	0.48	0.00	0.01	0.34	0.00
Col134	34	-0.08	21.18	-0.04	3.32	0.16	0.48	0.00	0.01	0.34	0.00
Col134	35	0.01	1.40	-0.04	3.32	0.16	0.48	0.01	0.01	0.35	0.00
Col134	36	0.09	1.40	0.00	3.32	0.00	0.48	0.07	0.00	0.07	0.00
Col134	37	0.09	1.40	0.00	3.32	0.00	0.48	0.07	0.00	0.07	0.00
Col134	38	0.35	1.40	0.00	3.32	0.00	0.48	0.25	0.00	0.25	0.00
Col134	39	0.35	1.40	0.00	3.32	0.00	0.48	0.25	0.00	0.25	0.00
Col134	40	0.27	1.40	0.00	3.32	0.00	0.48	0.19	0.00	0.19	0.00
Col134	41	0.27	1.40	0.00	3.32	0.00	0.48	0.19	0.00	0.19	0.00
Col134	42	0.27	1.40	0.00	3.32	0.00	0.48	0.19	0.00	0.19	0.00
Col134	43	0.27	1.40	0.00	3.32	0.00	0.48	0.19	0.00	0.19	0.00
Col134	44	0.07	1.40	0.00	3.32	0.00	0.48	0.05	0.00	0.05	0.00
Col134	45	0.07	1.40	0.00	3.32	0.00	0.48	0.05	0.00	0.05	0.00
Col134	46	0.37	1.40	0.00	3.32	0.00	0.48	0.26	0.00	0.26	0.00
Col134	47	0.18	1.40	-0.03	3.32	0.12	0.48	0.13	0.01	0.39	0.00
Col134	48	0.25	1.40	-0.03	3.32	0.12	0.48	0.18	0.01	0.44	0.00
Col134	49	0.09	1.40	0.00	3.32	0.00	0.48	0.07	0.00	0.07	0.00
Col134	50	0.09	1.40	0.00	3.32	0.00	0.48	0.07	0.00	0.07	0.00
Col134	51	0.07	1.40	0.00	3.32	0.00	0.48	0.05	0.00	0.05	0.00
Col134	52	0.07	1.40	0.00	3.32	0.00	0.48	0.05	0.00	0.05	0.00
Col134	53	0.32	1.40	0.00	3.32	0.00	0.48	0.23	0.00	0.23	0.00
Col134	54	0.27	1.40	0.00	3.32	0.00	0.48	0.19	0.00	0.19	0.00
Col134	55	0.27	1.40	-0.03	3.32	0.12	0.48	0.19	0.01	0.45	0.00
Col134	56	0.27	1.40	0.00	3.32	0.00	0.48	0.19	0.00	0.19	0.00
Col135	1	0.84	10.49	0.00	3.32	0.00	2.65	0.08	0.00	0.08	0.00
Col135	2	0.15	10.49	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col135	3	0.62	10.49	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col135	4	0.62	10.49	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col135	5	0.67	10.49	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col135	6	0.50	10.49	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col135	7	0.50	10.49	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col135	8	-0.32	21.18	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col135	9	-0.13	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col135	10	-0.32	21.18	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col135	11	-0.13	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col135	12	-0.32	21.18	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col135	13	-0.13	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col135	14	-0.17	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col135	15	0.01	10.49	0.00	3.32	0.00	2.65	0.00	0.00	0.00	0.00
Col135	16	0.44	10.49	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col135	17	0.58	10.49	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col135	18	0.33	10.49	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col135	19	0.47	10.49	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col135	20	0.27	10.49	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col135	21	0.41	10.49	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col135	22	0.16	10.49	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col135	23	0.30	10.49	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col135	24	0.27	10.49	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col135	25	0.41	10.49	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col135	26	0.16	10.49	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col135	27	0.30	10.49	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col135	28	-0.35	21.18	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col135	29	-0.16	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col135	30	-0.35	21.18	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col135	31	-0.16	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col135	32	-0.35	21.18	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col135	33	-0.16	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col135	34	-0.20	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col135	35	-0.01	21.18	0.00	3.32	0.00	2.65	0.00	0.00	0.00	0.00
Col135	36	0.15	10.49	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col135	37	0.15	10.49	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col135	38	0.67	10.49	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col135	39	0.67	10.49	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00







Col139	11	-0.13	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col139	12	-0.32	21.18	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col139	13	-0.13	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col139	14	-0.17	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col139	15	0.01	10.49	0.00	3.32	0.00	2.65	0.00	0.00	0.00	0.00
Col139	16	0.44	10.49	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col139	17	0.58	10.49	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col139	18	0.33	10.49	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col139	19	0.47	10.49	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col139	20	0.27	10.49	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col139	21	0.41	10.49	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col139	22	0.16	10.49	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col139	23	0.30	10.49	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col139	24	0.27	10.49	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col139	25	0.41	10.49	0.00	3.32	0.00	2.65	0.04	0.00	0.04	0.00
Col139	26	0.16	10.49	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col139	27	0.30	10.49	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col139	28	-0.35	21.18	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col139	29	-0.16	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col139	30	-0.35	21.18	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col139	31	-0.16	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col139	32	-0.35	21.18	0.00	3.32	0.00	2.65	0.02	0.00	0.02	0.00
Col139	33	-0.16	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col139	34	-0.20	21.18	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col139	35	-0.01	21.18	0.00	3.32	0.00	2.65	0.00	0.00	0.00	0.00
Col139	36	0.15	10.49	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col139	37	0.15	10.49	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col139	38	0.67	10.49	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col139	39	0.67	10.49	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col139	40	0.50	10.49	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col139	41	0.50	10.49	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col139	42	0.50	10.49	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col139	43	0.50	10.49	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col139	44	0.10	10.49	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col139	45	0.10	10.49	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col139	46	0.71	10.49	0.00	3.32	0.00	2.65	0.07	0.00	0.07	0.00
Col139	47	0.34	10.49	0.00	3.32	0.00	2.65	0.03	0.00	0.03	0.00
Col139	48	0.48	10.49	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col139	49	0.15	10.49	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col139	50	0.15	10.49	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col139	51	0.11	10.49	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col139	52	0.11	10.49	0.00	3.32	0.00	2.65	0.01	0.00	0.01	0.00
Col139	53	0.62	10.49	0.00	3.32	0.00	2.65	0.06	0.00	0.06	0.00
Col139	54	0.50	10.49	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col139	55	0.50	10.49	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col139	56	0.50	10.49	0.00	3.32	0.00	2.65	0.05	0.00	0.05	0.00
Col140	1	0.44	1.40	0.00	3.32	0.00	0.48	0.31	0.00	0.31	0.00
Col140	2	0.09	1.40	0.00	3.32	0.00	0.48	0.07	0.00	0.07	0.00
Col140	3	0.32	1.40	0.00	3.32	0.00	0.48	0.23	0.00	0.23	0.00
Col140	4	0.32	1.40	0.00	3.32	0.00	0.48	0.23	0.00	0.23	0.00
Col140	5	0.35	1.40	0.00	3.32	0.00	0.48	0.25	0.00	0.25	0.00
Col140	6	0.26	1.40	0.00	3.32	0.00	0.48	0.19	0.00	0.19	0.00
Col140	7	0.26	1.40	0.00	3.32	0.00	0.48	0.19	0.00	0.19	0.00
Col140	8	-0.14	21.18	0.03	3.32	-0.14	0.48	0.01	0.01	0.28	0.00
Col140	9	-0.05	21.18	0.03	3.32	-0.14	0.48	0.00	0.01	0.29	0.00
Col140	10	-0.14	21.18	-0.04	3.32	0.16	0.48	0.01	0.01	0.34	0.00
Col140	11	-0.05	21.18	-0.04	3.32	0.16	0.48	0.00	0.01	0.34	0.00
Col140	12	-0.14	21.18	-0.04	3.32	0.16	0.48	0.01	0.01	0.34	0.00
Col140	13	-0.05	21.18	-0.04	3.32	0.16	0.48	0.00	0.01	0.34	0.00
Col140	14	-0.07	21.18	-0.04	3.32	0.16	0.48	0.00	0.01	0.34	0.00
Col140	15	0.02	1.40	-0.04	3.32	0.16	0.48	0.02	0.01	0.36	0.00
Col140	16	0.24	1.40	-0.03	3.32	0.12	0.48	0.17	0.01	0.43	0.00
Col140	17	0.31	1.40	-0.03	3.32	0.12	0.48	0.22	0.01	0.48	0.00
Col140	18	0.18	1.40	-0.03	3.32	0.12	0.48	0.13	0.01	0.39	0.00
Col140	19	0.25	1.40	-0.03	3.32	0.12	0.48	0.18	0.01	0.44	0.00

Col40	20	0.15	1.40	-0.03	3.32	0.12	0.48	0.11	0.01	0.36	0.00
Col40	21	0.22	1.40	-0.03	3.32	0.12	0.48	0.16	0.01	0.41	0.00
Col40	22	0.10	1.40	-0.03	3.32	0.12	0.48	0.07	0.01	0.33	0.00
Col40	23	0.17	1.40	-0.03	3.32	0.12	0.48	0.12	0.01	0.38	0.00
Col40	24	0.15	1.40	-0.03	3.32	0.12	0.48	0.11	0.01	0.36	0.00
Col40	25	0.22	1.40	-0.03	3.32	0.12	0.48	0.16	0.01	0.41	0.00
Col40	26	0.10	1.40	-0.03	3.32	0.12	0.48	0.07	0.01	0.33	0.00
Col40	27	0.17	1.40	-0.03	3.32	0.12	0.48	0.12	0.01	0.38	0.00
Col40	28	-0.15	21.18	0.03	3.32	-0.14	0.48	0.01	0.01	0.28	0.00
Col40	29	-0.06	21.18	0.03	3.32	-0.14	0.48	0.00	0.01	0.29	0.00
Col40	30	-0.15	21.18	-0.04	3.32	0.16	0.48	0.01	0.01	0.33	0.00
Col40	31	-0.06	21.18	-0.04	3.32	0.16	0.48	0.00	0.01	0.34	0.00
Col40	32	-0.15	21.18	-0.04	3.32	0.16	0.48	0.01	0.01	0.33	0.00
Col40	33	-0.06	21.18	-0.04	3.32	0.16	0.48	0.00	0.01	0.34	0.00
Col40	34	-0.08	21.18	-0.04	3.32	0.16	0.48	0.00	0.01	0.34	0.00
Col40	35	0.01	1.40	-0.04	3.32	0.16	0.48	0.01	0.01	0.35	0.00
Col40	36	0.09	1.40	0.00	3.32	0.00	0.48	0.07	0.00	0.07	0.00
Col40	37	0.09	1.40	0.00	3.32	0.00	0.48	0.07	0.00	0.07	0.00
Col40	38	0.35	1.40	0.00	3.32	0.00	0.48	0.25	0.00	0.25	0.00
Col40	39	0.35	1.40	0.00	3.32	0.00	0.48	0.25	0.00	0.25	0.00
Col40	40	0.27	1.40	0.00	3.32	0.00	0.48	0.19	0.00	0.19	0.00
Col40	41	0.27	1.40	0.00	3.32	0.00	0.48	0.19	0.00	0.19	0.00
Col40	42	0.27	1.40	0.00	3.32	0.00	0.48	0.19	0.00	0.19	0.00
Col40	43	0.27	1.40	0.00	3.32	0.00	0.48	0.19	0.00	0.19	0.00
Col40	44	0.07	1.40	0.00	3.32	0.00	0.48	0.05	0.00	0.05	0.00
Col40	45	0.07	1.40	0.00	3.32	0.00	0.48	0.05	0.00	0.05	0.00
Col40	46	0.37	1.40	0.00	3.32	0.00	0.48	0.26	0.00	0.26	0.00
Col40	47	0.18	1.40	-0.03	3.32	0.12	0.48	0.13	0.01	0.39	0.00
Col40	48	0.25	1.40	-0.03	3.32	0.12	0.48	0.18	0.01	0.44	0.00
Col40	49	0.09	1.40	0.00	3.32	0.00	0.48	0.07	0.00	0.07	0.00
Col40	50	0.09	1.40	0.00	3.32	0.00	0.48	0.07	0.00	0.07	0.00
Col40	51	0.07	1.40	0.00	3.32	0.00	0.48	0.05	0.00	0.05	0.00
Col40	52	0.07	1.40	0.00	3.32	0.00	0.48	0.05	0.00	0.05	0.00
Col40	53	0.32	1.40	0.00	3.32	0.00	0.48	0.23	0.00	0.23	0.00
Col40	54	0.27	1.40	0.00	3.32	0.00	0.48	0.19	0.00	0.19	0.00
Col40	55	0.27	1.40	-0.03	3.32	0.12	0.48	0.19	0.01	0.45	0.00
Col40	56	0.27	1.40	0.00	3.32	0.00	0.48	0.19	0.00	0.19	0.00

Raf4	1	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	2	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	3	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	4	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	5	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	6	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	7	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	8	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	9	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	10	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	11	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	12	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	13	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	14	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	15	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	16	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	17	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	18	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	19	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	20	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf4	21	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







Raf6	46	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf6	47	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf6	48	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf6	49	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf6	50	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf6	51	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf6	52	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf6	53	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf6	54	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf6	55	0.00	5.27	0.00	3.77	0.00	1.71	0.00	0.00	0.00	0.00
Raf6	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	Out_Plane
	Id	Vert(k )	Horz(k )	Horz(k )
Col134	1	0.44	0.00	0.00
Col134	2	0.09	0.00	0.00
Col134	3	0.32	0.00	0.00
Col134	4	0.32	0.00	0.00
Col134	5	0.35	0.00	0.00
Col134	6	0.26	0.00	0.00
Col134	7	0.26	0.00	0.00
Col134	8	-0.14	0.00	-0.03
Col134	9	-0.05	0.00	-0.03
Col134	10	-0.14	0.00	0.04
Col134	11	-0.05	0.00	0.04
Col134	12	-0.14	0.00	0.04
Col134	13	-0.05	0.00	0.04
Col134	14	-0.07	0.00	0.04
Col134	15	0.02	0.00	0.04
Col134	16	0.24	0.00	0.03
Col134	17	0.31	0.00	0.03
Col134	18	0.18	0.00	0.03
Col134	19	0.25	0.00	0.03
Col134	20	0.15	0.00	0.03
Col134	21	0.22	0.00	0.03
Col134	22	0.10	0.00	0.03
Col134	23	0.17	0.00	0.03
Col134	24	0.15	0.00	0.03
Col134	25	0.22	0.00	0.03
Col134	26	0.10	0.00	0.03
Col134	27	0.17	0.00	0.03
Col134	28	-0.15	0.00	-0.03
Col134	29	-0.06	0.00	-0.03
Col134	30	-0.15	0.00	0.04
Col134	31	-0.06	0.00	0.04
Col134	32	-0.15	0.00	0.04
Col134	33	-0.06	0.00	0.04
Col134	34	-0.08	0.00	0.04
Col134	35	0.01	0.00	0.04
Col134	36	0.09	0.00	0.00
Col134	37	0.09	0.00	0.00
Col134	38	0.35	0.00	0.00
Col134	39	0.35	0.00	0.00
Col134	40	0.27	0.00	0.00
Col134	41	0.27	0.00	0.00
Col134	42	0.27	0.00	0.00
Col134	43	0.27	0.00	0.00
Col134	44	0.07	0.00	0.00
Col134	45	0.07	0.00	0.00
Col134	46	0.37	0.00	0.00
Col134	47	0.18	0.00	0.03
Col134	48	0.25	0.00	0.03

Col134	49	0.09	0.00	0.00
Col134	50	0.09	0.00	0.00
Col134	51	0.07	0.00	0.00
Col134	52	0.07	0.00	0.00
Col134	53	0.32	0.00	0.00
Col134	54	0.27	0.00	0.00
Col134	55	0.27	0.00	0.03
Col134	56	0.27	0.00	0.00
Col135	1	0.84	0.00	0.00
Col135	2	0.15	0.00	0.00
Col135	3	0.62	0.00	0.00
Col135	4	0.62	0.00	0.00
Col135	5	0.67	0.00	0.00
Col135	6	0.50	0.00	0.00
Col135	7	0.50	0.00	0.00
Col135	8	-0.32	0.00	0.00
Col135	9	-0.13	0.00	0.00
Col135	10	-0.32	0.00	0.00
Col135	11	-0.13	0.00	0.00
Col135	12	-0.32	0.00	0.00
Col135	13	-0.13	0.00	0.00
Col135	14	-0.17	0.00	0.00
Col135	15	0.01	0.00	0.00
Col135	16	0.44	0.00	0.00
Col135	17	0.58	0.00	0.00
Col135	18	0.33	0.00	0.00
Col135	19	0.47	0.00	0.00
Col135	20	0.27	0.00	0.00
Col135	21	0.41	0.00	0.00
Col135	22	0.16	0.00	0.00
Col135	23	0.30	0.00	0.00
Col135	24	0.27	0.00	0.00
Col135	25	0.41	0.00	0.00
Col135	26	0.16	0.00	0.00
Col135	27	0.30	0.00	0.00
Col135	28	-0.35	0.00	0.00
Col135	29	-0.16	0.00	0.00
Col135	30	-0.35	0.00	0.00
Col135	31	-0.16	0.00	0.00
Col135	32	-0.35	0.00	0.00
Col135	33	-0.16	0.00	0.00
Col135	34	-0.20	0.00	0.00
Col135	35	-0.01	0.00	0.00
Col135	36	0.15	0.00	0.00
Col135	37	0.15	0.00	0.00
Col135	38	0.67	0.00	0.00
Col135	39	0.67	0.00	0.00
Col135	40	0.50	0.00	0.00
Col135	41	0.50	0.00	0.00
Col135	42	0.50	0.00	0.00
Col135	43	0.50	0.00	0.00
Col135	44	0.10	0.00	0.00
Col135	45	0.10	0.00	0.00
Col135	46	0.71	0.00	0.00
Col135	47	0.34	0.00	0.00
Col135	48	0.48	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	0.62	0.00	0.00
Col135	54	0.50	0.00	0.00
Col135	55	0.50	0.00	0.00
Col135	56	0.50	0.00	0.00
Col136	1	0.85	0.00	0.00

Col136	2	0.15	0.00	0.00
Col136	3	0.62	0.00	0.00
Col136	4	0.62	0.00	0.00
Col136	5	0.68	0.00	0.00
Col136	6	0.50	0.00	0.00
Col136	7	0.50	0.00	0.00
Col136	8	-0.32	0.00	0.00
Col136	9	-0.13	0.00	0.00
Col136	10	-0.32	0.00	0.00
Col136	11	-0.13	0.00	0.00
Col136	12	-0.32	0.00	0.00
Col136	13	-0.13	0.00	0.00
Col136	14	-0.18	0.00	0.00
Col136	15	0.01	0.00	0.00
Col136	16	0.44	0.00	0.00
Col136	17	0.59	0.00	0.00
Col136	18	0.33	0.00	0.00
Col136	19	0.48	0.00	0.00
Col136	20	0.27	0.00	0.00
Col136	21	0.41	0.00	0.00
Col136	22	0.16	0.00	0.00
Col136	23	0.30	0.00	0.00
Col136	24	0.27	0.00	0.00
Col136	25	0.41	0.00	0.00
Col136	26	0.16	0.00	0.00
Col136	27	0.30	0.00	0.00
Col136	28	-0.35	0.00	0.00
Col136	29	-0.16	0.00	0.00
Col136	30	-0.35	0.00	0.00
Col136	31	-0.16	0.00	0.00
Col136	32	-0.35	0.00	0.00
Col136	33	-0.16	0.00	0.00
Col136	34	-0.20	0.00	0.00
Col136	35	-0.01	0.00	0.00
Col136	36	0.15	0.00	0.00
Col136	37	0.15	0.00	0.00
Col136	38	0.68	0.00	0.00
Col136	39	0.68	0.00	0.00
Col136	40	0.51	0.00	0.00
Col136	41	0.51	0.00	0.00
Col136	42	0.51	0.00	0.00
Col136	43	0.51	0.00	0.00
Col136	44	0.10	0.00	0.00
Col136	45	0.10	0.00	0.00
Col136	46	0.71	0.00	0.00
Col136	47	0.34	0.00	0.00
Col136	48	0.48	0.00	0.00
Col136	49	0.15	0.00	0.00
Col136	50	0.15	0.00	0.00
Col136	51	0.11	0.00	0.00
Col136	52	0.11	0.00	0.00
Col136	53	0.62	0.00	0.00
Col136	54	0.50	0.00	0.00
Col136	55	0.50	0.00	0.00
Col136	56	0.51	0.00	0.00
Col137	1	0.85	0.00	0.00
Col137	2	0.15	0.00	0.00
Col137	3	0.62	0.00	0.00
Col137	4	0.62	0.00	0.00
Col137	5	0.68	0.00	0.00
Col137	6	0.50	0.00	0.00
Col137	7	0.50	0.00	0.00
Col137	8	-0.32	0.00	0.00
Col137	9	-0.13	0.00	0.00
Col137	10	-0.32	0.00	0.00

Col137	11	-0.13	0.00	0.00
Col137	12	-0.32	0.00	0.00
Col137	13	-0.13	0.00	0.00
Col137	14	-0.18	0.00	0.00
Col137	15	0.01	0.00	0.00
Col137	16	0.44	0.00	0.00
Col137	17	0.59	0.00	0.00
Col137	18	0.33	0.00	0.00
Col137	19	0.48	0.00	0.00
Col137	20	0.27	0.00	0.00
Col137	21	0.41	0.00	0.00
Col137	22	0.16	0.00	0.00
Col137	23	0.30	0.00	0.00
Col137	24	0.27	0.00	0.00
Col137	25	0.41	0.00	0.00
Col137	26	0.16	0.00	0.00
Col137	27	0.30	0.00	0.00
Col137	28	-0.35	0.00	0.00
Col137	29	-0.16	0.00	0.00
Col137	30	-0.35	0.00	0.00
Col137	31	-0.16	0.00	0.00
Col137	32	-0.35	0.00	0.00
Col137	33	-0.16	0.00	0.00
Col137	34	-0.20	0.00	0.00
Col137	35	-0.01	0.00	0.00
Col137	36	0.15	0.00	0.00
Col137	37	0.15	0.00	0.00
Col137	38	0.68	0.00	0.00
Col137	39	0.68	0.00	0.00
Col137	40	0.51	0.00	0.00
Col137	41	0.51	0.00	0.00
Col137	42	0.51	0.00	0.00
Col137	43	0.51	0.00	0.00
Col137	44	0.10	0.00	0.00
Col137	45	0.10	0.00	0.00
Col137	46	0.71	0.00	0.00
Col137	47	0.34	0.00	0.00
Col137	48	0.48	0.00	0.00
Col137	49	0.15	0.00	0.00
Col137	50	0.15	0.00	0.00
Col137	51	0.11	0.00	0.00
Col137	52	0.11	0.00	0.00
Col137	53	0.62	0.00	0.00
Col137	54	0.50	0.00	0.00
Col137	55	0.50	0.00	0.00
Col137	56	0.51	0.00	0.00
Col138	1	0.85	0.00	0.00
Col138	2	0.15	0.00	0.00
Col138	3	0.62	0.00	0.00
Col138	4	0.62	0.00	0.00
Col138	5	0.68	0.00	0.00
Col138	6	0.50	0.00	0.00
Col138	7	0.50	0.00	0.00
Col138	8	-0.32	0.00	0.00
Col138	9	-0.13	0.00	0.00
Col138	10	-0.32	0.00	0.00
Col138	11	-0.13	0.00	0.00
Col138	12	-0.32	0.00	0.00
Col138	13	-0.13	0.00	0.00
Col138	14	-0.18	0.00	0.00
Col138	15	0.01	0.00	0.00
Col138	16	0.44	0.00	0.00
Col138	17	0.59	0.00	0.00
Col138	18	0.33	0.00	0.00
Col138	19	0.48	0.00	0.00

Col138	20	0.27	0.00	0.00
Col138	21	0.41	0.00	0.00
Col138	22	0.16	0.00	0.00
Col138	23	0.30	0.00	0.00
Col138	24	0.27	0.00	0.00
Col138	25	0.41	0.00	0.00
Col138	26	0.16	0.00	0.00
Col138	27	0.30	0.00	0.00
Col138	28	-0.35	0.00	0.00
Col138	29	-0.16	0.00	0.00
Col138	30	-0.35	0.00	0.00
Col138	31	-0.16	0.00	0.00
Col138	32	-0.35	0.00	0.00
Col138	33	-0.16	0.00	0.00
Col138	34	-0.20	0.00	0.00
Col138	35	-0.01	0.00	0.00
Col138	36	0.15	0.00	0.00
Col138	37	0.15	0.00	0.00
Col138	38	0.68	0.00	0.00
Col138	39	0.68	0.00	0.00
Col138	40	0.51	0.00	0.00
Col138	41	0.51	0.00	0.00
Col138	42	0.51	0.00	0.00
Col138	43	0.51	0.00	0.00
Col138	44	0.10	0.00	0.00
Col138	45	0.10	0.00	0.00
Col138	46	0.71	0.00	0.00
Col138	47	0.34	0.00	0.00
Col138	48	0.48	0.00	0.00
Col138	49	0.15	0.00	0.00
Col138	50	0.15	0.00	0.00
Col138	51	0.11	0.00	0.00
Col138	52	0.11	0.00	0.00
Col138	53	0.62	0.00	0.00
Col138	54	0.50	0.00	0.00
Col138	55	0.50	0.00	0.00
Col138	56	0.51	0.00	0.00
Col139	1	0.84	0.00	0.00
Col139	2	0.15	0.00	0.00
Col139	3	0.62	0.00	0.00
Col139	4	0.62	0.00	0.00
Col139	5	0.67	0.00	0.00
Col139	6	0.50	0.00	0.00
Col139	7	0.50	0.00	0.00
Col139	8	-0.32	0.00	0.00
Col139	9	-0.13	0.00	0.00
Col139	10	-0.32	0.00	0.00
Col139	11	-0.13	0.00	0.00
Col139	12	-0.32	0.00	0.00
Col139	13	-0.13	0.00	0.00
Col139	14	-0.17	0.00	0.00
Col139	15	0.01	0.00	0.00
Col139	16	0.44	0.00	0.00
Col139	17	0.58	0.00	0.00
Col139	18	0.33	0.00	0.00
Col139	19	0.47	0.00	0.00
Col139	20	0.27	0.00	0.00
Col139	21	0.41	0.00	0.00
Col139	22	0.16	0.00	0.00
Col139	23	0.30	0.00	0.00
Col139	24	0.27	0.00	0.00
Col139	25	0.41	0.00	0.00
Col139	26	0.16	0.00	0.00
Col139	27	0.30	0.00	0.00
Col139	28	-0.35	0.00	0.00

Col139	29	-0.16	0.00	0.00
Col139	30	-0.35	0.00	0.00
Col139	31	-0.16	0.00	0.00
Col139	32	-0.35	0.00	0.00
Col139	33	-0.16	0.00	0.00
Col139	34	-0.20	0.00	0.00
Col139	35	-0.01	0.00	0.00
Col139	36	0.15	0.00	0.00
Col139	37	0.15	0.00	0.00
Col139	38	0.67	0.00	0.00
Col139	39	0.67	0.00	0.00
Col139	40	0.50	0.00	0.00
Col139	41	0.50	0.00	0.00
Col139	42	0.50	0.00	0.00
Col139	43	0.50	0.00	0.00
Col139	44	0.10	0.00	0.00
Col139	45	0.10	0.00	0.00
Col139	46	0.71	0.00	0.00
Col139	47	0.34	0.00	0.00
Col139	48	0.48	0.00	0.00
Col139	49	0.15	0.00	0.00
Col139	50	0.15	0.00	0.00
Col139	51	0.11	0.00	0.00
Col139	52	0.11	0.00	0.00
Col139	53	0.62	0.00	0.00
Col139	54	0.50	0.00	0.00
Col139	55	0.50	0.00	0.00
Col139	56	0.50	0.00	0.00
Col140	1	0.44	0.00	0.00
Col140	2	0.09	0.00	0.00
Col140	3	0.32	0.00	0.00
Col140	4	0.32	0.00	0.00
Col140	5	0.35	0.00	0.00
Col140	6	0.26	0.00	0.00
Col140	7	0.26	0.00	0.00
Col140	8	-0.14	0.00	-0.03
Col140	9	-0.05	0.00	-0.03
Col140	10	-0.14	0.00	0.04
Col140	11	-0.05	0.00	0.04
Col140	12	-0.14	0.00	0.04
Col140	13	-0.05	0.00	0.04
Col140	14	-0.07	0.00	0.04
Col140	15	0.02	0.00	0.04
Col140	16	0.24	0.00	0.03
Col140	17	0.31	0.00	0.03
Col140	18	0.18	0.00	0.03
Col140	19	0.25	0.00	0.03
Col140	20	0.15	0.00	0.03
Col140	21	0.22	0.00	0.03
Col140	22	0.10	0.00	0.03
Col140	23	0.17	0.00	0.03
Col140	24	0.15	0.00	0.03
Col140	25	0.22	0.00	0.03
Col140	26	0.10	0.00	0.03
Col140	27	0.17	0.00	0.03
Col140	28	-0.15	0.00	-0.03
Col140	29	-0.06	0.00	-0.03
Col140	30	-0.15	0.00	0.04
Col140	31	-0.06	0.00	0.04
Col140	32	-0.15	0.00	0.04
Col140	33	-0.06	0.00	0.04
Col140	34	-0.08	0.00	0.04
Col140	35	0.01	0.00	0.04
Col140	36	0.09	0.00	0.00
Col140	37	0.09	0.00	0.00

Col140	38	0.35	0.00	0.00
Col140	39	0.35	0.00	0.00
Col140	40	0.27	0.00	0.00
Col140	41	0.27	0.00	0.00
Col140	42	0.27	0.00	0.00
Col140	43	0.27	0.00	0.00
Col140	44	0.07	0.00	0.00
Col140	45	0.07	0.00	0.00
Col140	46	0.37	0.00	0.00
Col140	47	0.18	0.00	0.03
Col140	48	0.25	0.00	0.03
Col140	49	0.09	0.00	0.00
Col140	50	0.09	0.00	0.00
Col140	51	0.07	0.00	0.00
Col140	52	0.07	0.00	0.00
Col140	53	0.32	0.00	0.00
Col140	54	0.27	0.00	0.00
Col140	55	0.27	0.00	0.03
Col140	56	0.27	0.00	0.00

COLUMN DEFLECTIONS:

Id	Load		Deflection(in)	
	Id		Calc	Limit
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		-0.06	1.06
Col134	9		-0.06	1.06
Col134	10		0.07	1.06
Col134	11		0.07	1.06
Col134	12		0.07	1.06
Col134	13		0.07	1.06
Col134	14		0.07	1.06
Col134	15		0.07	1.06
Col134	16		0.05	1.06
Col134	17		0.05	1.06
Col134	18		0.05	1.06
Col134	19		0.05	1.06
Col134	20		0.05	1.06
Col134	21		0.05	1.06
Col134	22		0.05	1.06
Col134	23		0.05	1.06
Col134	24		0.05	1.06
Col134	25		0.05	1.06
Col134	26		0.05	1.06
Col134	27		0.05	1.06
Col134	28		-0.06	1.06
Col134	29		-0.06	1.06
Col134	30		0.07	1.06
Col134	31		0.07	1.06
Col134	32		0.07	1.06
Col134	33		0.07	1.06
Col134	34		0.07	1.06
Col134	35		0.07	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	0.03	1.06
Col134	48	0.03	1.06
Col134	49	0.00	1.06
Col134	50	0.00	1.06
Col134	51	0.05	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	0.00	1.06
Col136	9	0.00	1.06
Col136	10	0.00	1.06
Col136	11	0.00	1.06
Col136	12	0.00	1.06
Col136	13	0.00	1.06
Col136	14	0.00	1.06
Col136	15	0.00	1.06
Col136	16	0.00	1.06
Col136	17	0.00	1.06
Col136	18	0.00	1.06
Col136	19	0.00	1.06
Col136	20	0.00	1.06
Col136	21	0.00	1.06
Col136	22	0.00	1.06
Col136	23	0.00	1.06
Col136	24	0.00	1.06
Col136	25	0.00	1.06
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Col136	27	0.00	1.06
Col136	28	0.00	1.06
Col136	29	0.00	1.06
Col136	30	0.00	1.06
Col136	31	0.00	1.06
Col136	32	0.00	1.06
Col136	33	0.00	1.06
Col136	34	0.00	1.06
Col136	35	0.00	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	0.00	1.06
Col136	48	0.00	1.06
Col136	49	0.00	1.06
Col136	50	0.00	1.06
Col136	51	0.00	1.06
Col136	52	0.00	1.06
Col137	1	0.00	1.06
Col137	2	0.00	1.06
Col137	3	0.00	1.06
Col137	4	0.00	1.06
Col137	5	0.00	1.06
Col137	6	0.00	1.06
Col137	7	0.00	1.06
Col137	8	0.00	1.06
Col137	9	0.00	1.06
Col137	10	0.00	1.06
Col137	11	0.00	1.06
Col137	12	0.00	1.06
Col137	13	0.00	1.06
Col137	14	0.00	1.06

Col37	15	0.00	1.06
Col37	16	0.00	1.06
Col37	17	0.00	1.06
Col37	18	0.00	1.06
Col37	19	0.00	1.06
Col37	20	0.00	1.06
Col37	21	0.00	1.06
Col37	22	0.00	1.06
Col37	23	0.00	1.06
Col37	24	0.00	1.06
Col37	25	0.00	1.06
Col37	26	0.00	1.06
Col37	27	0.00	1.06
Col37	28	0.00	1.06
Col37	29	0.00	1.06
Col37	30	0.00	1.06
Col37	31	0.00	1.06
Col37	32	0.00	1.06
Col37	33	0.00	1.06
Col37	34	0.00	1.06
Col37	35	0.00	1.06
Col37	36	0.00	1.06
Col37	37	0.00	1.06
Col37	38	0.00	1.06
Col37	39	0.00	1.06
Col37	40	0.00	1.06
Col37	41	0.00	1.06
Col37	42	0.00	1.06
Col37	43	0.00	1.06
Col37	44	0.00	1.06
Col37	45	0.00	1.06
Col37	46	0.00	1.06
Col37	47	0.00	1.06
Col37	48	0.00	1.06
Col37	49	0.00	1.06
Col37	50	0.00	1.06
Col37	51	0.00	1.06
Col37	52	0.00	1.06
Col38	1	0.00	1.06
Col38	2	0.00	1.06
Col38	3	0.00	1.06
Col38	4	0.00	1.06
Col38	5	0.00	1.06
Col38	6	0.00	1.06
Col38	7	0.00	1.06
Col38	8	0.00	1.06
Col38	9	0.00	1.06
Col38	10	0.00	1.06
Col38	11	0.00	1.06
Col38	12	0.00	1.06
Col38	13	0.00	1.06
Col38	14	0.00	1.06
Col38	15	0.00	1.06
Col38	16	0.00	1.06
Col38	17	0.00	1.06
Col38	18	0.00	1.06
Col38	19	0.00	1.06
Col38	20	0.00	1.06
Col38	21	0.00	1.06
Col38	22	0.00	1.06
Col38	23	0.00	1.06
Col38	24	0.00	1.06
Col38	25	0.00	1.06
Col38	26	0.00	1.06
Col38	27	0.00	1.06

Col138	28	0.00	1.06
Col138	29	0.00	1.06
Col138	30	0.00	1.06
Col138	31	0.00	1.06
Col138	32	0.00	1.06
Col138	33	0.00	1.06
Col138	34	0.00	1.06
Col138	35	0.00	1.06
Col138	36	0.00	1.06
Col138	37	0.00	1.06
Col138	38	0.00	1.06
Col138	39	0.00	1.06
Col138	40	0.00	1.06
Col138	41	0.00	1.06
Col138	42	0.00	1.06
Col138	43	0.00	1.06
Col138	44	0.00	1.06
Col138	45	0.00	1.06
Col138	46	0.00	1.06
Col138	47	0.00	1.06
Col138	48	0.00	1.06
Col138	49	0.00	1.06
Col138	50	0.00	1.06
Col138	51	0.00	1.06
Col138	52	0.00	1.06
Col139	1	0.00	1.06
Col139	2	0.00	1.06
Col139	3	0.00	1.06
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Col139	6	0.00	1.06
Col139	7	0.00	1.06
Col139	8	0.00	1.06
Col139	9	0.00	1.06
Col139	10	0.00	1.06
Col139	11	0.00	1.06
Col139	12	0.00	1.06
Col139	13	0.00	1.06
Col139	14	0.00	1.06
Col139	15	0.00	1.06
Col139	16	0.00	1.06
Col139	17	0.00	1.06
Col139	18	0.00	1.06
Col139	19	0.00	1.06
Col139	20	0.00	1.06
Col139	21	0.00	1.06
Col139	22	0.00	1.06
Col139	23	0.00	1.06
Col139	24	0.00	1.06
Col139	25	0.00	1.06
Col139	26	0.00	1.06
Col139	27	0.00	1.06
Col139	28	0.00	1.06
Col139	29	0.00	1.06
Col139	30	0.00	1.06
Col139	31	0.00	1.06
Col139	32	0.00	1.06
Col139	33	0.00	1.06
Col139	34	0.00	1.06
Col139	35	0.00	1.06
Col139	36	0.00	1.06
Col139	37	0.00	1.06
Col139	38	0.00	1.06
Col139	39	0.00	1.06
Col139	40	0.00	1.06

Col139	41	0.00	1.06
Col139	42	0.00	1.06
Col139	43	0.00	1.06
Col139	44	0.00	1.06
Col139	45	0.00	1.06
Col139	46	0.00	1.06
Col139	47	0.00	1.06
Col139	48	0.00	1.06
Col139	49	0.00	1.06
Col139	50	0.00	1.06
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Col140	2	0.00	1.06
Col140	3	0.00	1.06
Col140	4	0.00	1.06
Col140	5	0.00	1.06
Col140	6	0.00	1.06
Col140	7	0.00	1.06
Col140	8	-0.06	1.06
Col140	9	-0.06	1.06
Col140	10	0.07	1.06
Col140	11	0.07	1.06
Col140	12	0.07	1.06
Col140	13	0.07	1.06
Col140	14	0.07	1.06
Col140	15	0.07	1.06
Col140	16	0.05	1.06
Col140	17	0.05	1.06
Col140	18	0.05	1.06
Col140	19	0.05	1.06
Col140	20	0.05	1.06
Col140	21	0.05	1.06
Col140	22	0.05	1.06
Col140	23	0.05	1.06
Col140	24	0.05	1.06
Col140	25	0.05	1.06
Col140	26	0.05	1.06
Col140	27	0.05	1.06
Col140	28	-0.06	1.06
Col140	29	-0.06	1.06
Col140	30	0.07	1.06
Col140	31	0.07	1.06
Col140	32	0.07	1.06
Col140	33	0.07	1.06
Col140	34	0.07	1.06
Col140	35	0.07	1.06
Col140	36	0.00	1.06
Col140	37	0.00	1.06
Col140	38	0.00	1.06
Col140	39	0.00	1.06
Col140	40	0.00	1.06
Col140	41	0.00	1.06
Col140	42	0.00	1.06
Col140	43	0.00	1.06
Col140	44	0.00	1.06
Col140	45	0.00	1.06
Col140	46	0.00	1.06
Col140	47	0.03	1.06
Col140	48	0.03	1.06
Col140	49	0.00	1.06
Col140	50	0.00	1.06
Col140	51	0.05	1.06
Col140	52	0.00	1.06

RAFTER DEFLECTIONS:

Id	Load	Deflection (in)	
	Id	Calc	Limit
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
Raf5	1	0.00	0.93
Raf5	2	0.00	0.93
Raf5	3	0.00	0.93
Raf5	4	0.00	0.93
Raf5	5	0.00	0.93
Raf5	6	0.00	0.93
Raf5	7	0.00	0.93
Raf5	8	0.00	0.93

Raf5	9	0.00	0.93
Raf5	10	0.00	0.93
Raf5	11	0.00	0.93
Raf5	12	0.00	0.93
Raf5	13	0.00	0.93
Raf5	14	0.00	0.93
Raf5	15	0.00	0.93
Raf5	16	0.00	0.93
Raf5	17	0.00	0.93
Raf5	18	0.00	0.93
Raf5	19	0.00	0.93
Raf5	20	0.00	0.93
Raf5	21	0.00	0.93
Raf5	22	0.00	0.93
Raf5	23	0.00	0.93
Raf5	24	0.00	0.93
Raf5	25	0.00	0.93
Raf5	26	0.00	0.93
Raf5	27	0.00	0.93
Raf5	28	0.00	0.93
Raf5	29	0.00	0.93
Raf5	30	0.00	0.93
Raf5	31	0.00	0.93
Raf5	32	0.00	0.93
Raf5	33	0.00	0.93
Raf5	34	0.00	0.93
Raf5	35	0.00	0.93
Raf5	36	0.00	0.93
Raf5	37	0.00	0.93
Raf5	38	0.00	0.93
Raf5	39	0.00	0.93
Raf5	40	0.00	0.93
Raf5	41	0.00	0.93
Raf5	42	0.00	0.93
Raf5	43	0.00	0.93
Raf5	44	0.00	0.93
Raf5	45	0.00	0.93
Raf5	46	0.00	0.93
Raf5	47	0.00	0.93
Raf5	48	0.00	0.93
Raf5	49	0.00	0.93
Raf5	50	0.00	0.93
Raf5	51	0.00	0.93
Raf5	52	0.00	0.93
Raf6	1	0.00	0.92
Raf6	2	0.00	0.92
Raf6	3	0.00	0.92
Raf6	4	0.00	0.92
Raf6	5	0.00	0.92
Raf6	6	0.00	0.92
Raf6	7	0.00	0.92
Raf6	8	0.00	0.92
Raf6	9	0.00	0.92
Raf6	10	0.00	0.92
Raf6	11	0.00	0.92
Raf6	12	0.00	0.92
Raf6	13	0.00	0.92
Raf6	14	0.00	0.92
Raf6	15	0.00	0.92
Raf6	16	0.00	0.92
Raf6	17	0.00	0.92
Raf6	18	0.00	0.92
Raf6	19	0.00	0.92
Raf6	20	0.00	0.92
Raf6	21	0.00	0.92

Raf6	22	0.00	0.92
Raf6	23	0.00	0.92
Raf6	24	0.00	0.92
Raf6	25	0.00	0.92
Raf6	26	0.00	0.92
Raf6	27	0.00	0.92
Raf6	28	0.00	0.92
Raf6	29	0.00	0.92
Raf6	30	0.00	0.92
Raf6	31	0.00	0.92
Raf6	32	0.00	0.92
Raf6	33	0.00	0.92
Raf6	34	0.00	0.92
Raf6	35	0.00	0.92
Raf6	36	0.00	0.92
Raf6	37	0.00	0.92
Raf6	38	0.00	0.92
Raf6	39	0.00	0.92
Raf6	40	0.00	0.92
Raf6	41	0.00	0.92
Raf6	42	0.00	0.92
Raf6	43	0.00	0.92
Raf6	44	0.00	0.92
Raf6	45	0.00	0.92
Raf6	46	0.00	0.92
Raf6	47	0.00	0.92
Raf6	48	0.00	0.92
Raf6	49	0.00	0.92
Raf6	50	0.00	0.92
Raf6	51	0.00	0.92
Raf6	52	0.00	0.92

COLUMN KL/R RATIO, MOMENT REDUCTION:

Id	Major (ft)	--Minor (ft)--		----KL/R----		Available Reduction Factor	
		Bend	Axial	Major	Minor	Out	In
Col134	15.9	15.9	15.9	82	256	0.00	0.00
Col135	0.1	4.0	4.0	1	64	0.00	0.00
Col136	0.1	4.0	4.0	1	64	0.00	0.00
Col137	0.1	4.0	4.0	1	64	0.00	0.00
Col138	0.1	4.0	4.0	1	64	0.00	0.00
Col139	0.1	4.0	4.0	1	64	0.00	0.00
Col140	15.9	15.9	15.9	82	256	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
5	JambL	PBMJ6	15.88	55.3
	JambR	PBMJ6	15.88	55.3
	Header	6X25C16	12.00	28.1
6	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	-0.51	5.26	-2.03	2.20	0.92	-0.27	2.12
		WS	0.60	5.26	2.39	2.94	0.81	0.31	2.12
	JambR	WP	-0.51	5.26	-2.03	2.20	0.92	-0.27	2.12
		WS	0.57	5.26	2.25	2.94	0.77	0.30	2.12
	Header	WP	-0.06	3.86	-0.17	0.98	0.17	-0.02	1.60
		WS	0.06	3.86	0.19	1.93	0.10	0.02	1.60
2	JambL	WP	-0.52	5.26	-2.05	3.90	0.53	-0.27	2.12
		WS	0.57	5.26	2.27	3.90	0.58	0.30	2.12
	JambR	WP	-0.52	5.26	-2.05	3.90	0.53	-0.27	2.12
		WS	0.57	5.26	2.27	3.90	0.58	0.30	2.12
	Header	WP	-0.06	3.86	-0.17	0.98	0.17	-0.02	1.60
		WS	0.06	3.86	0.19	1.93	0.10	0.02	1.60
3	JambL	WP	-0.52	5.26	-2.05	3.90	0.53	-0.27	2.12
		WS	0.57	5.26	2.27	3.90	0.58	0.30	2.12
	JambR	WP	-0.52	5.26	-2.05	3.90	0.53	-0.27	2.12
		WS	0.57	5.26	2.27	3.90	0.58	0.30	2.12
	Header	WP	-0.06	3.86	-0.17	0.98	0.17	-0.02	1.60
		WS	0.06	3.86	0.19	1.93	0.10	0.02	1.60
4	JambL	WP	-0.52	5.26	-2.05	3.90	0.53	-0.27	2.12
		WS	0.57	5.26	2.27	3.90	0.58	0.30	2.12
	JambR	WP	-0.52	5.26	-2.05	3.90	0.53	-0.27	2.12
		WS	0.57	5.26	2.27	3.90	0.58	0.30	2.12
	Header	WP	-0.06	3.86	-0.17	0.98	0.17	-0.02	1.60
		WS	0.06	3.86	0.19	1.93	0.10	0.02	1.60
5	JambL	WP	-0.52	5.26	-2.05	3.90	0.53	-0.27	2.12
		WS	0.57	5.26	2.27	3.90	0.58	0.30	2.12
	JambR	WP	-0.52	5.26	-2.05	3.90	0.53	-0.27	2.12
		WS	0.57	5.26	2.27	3.90	0.58	0.30	2.12
	Header	WP	-0.06	3.86	-0.17	0.98	0.17	-0.02	1.60
		WS	0.06	3.86	0.19	1.93	0.10	0.02	1.60
6	JambL	WP	-0.51	5.26	-2.03	2.20	0.92	-0.27	2.12
		WS	0.57	5.26	2.25	2.94	0.77	0.30	2.12
	JambR	WP	-0.51	5.26	-2.03	2.20	0.92	-0.27	2.12

	WS	0.60	5.26	2.39	2.94	0.81	0.31	2.12
Header	WP	-0.06	3.86	-0.17	0.98	0.17	-0.02	1.60
	WS	0.06	3.86	0.19	1.93	0.10	0.02	1.60

WP - Wind\_Pressure  
WS - Wind\_Suction

=====  
8 Back SW - Wall Panel Design 2/13/23 3:49pm  
=====

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 Limit	Midspan Calc Limit	End Calc Limit	Max UC	Start Calc Limit	End Calc Limit			
1	14.00	15.88	WP	0.0	49.1	-5.5	49.1	0.0	38.1	0.11	-0.02	0.38
			WS	0.0	38.1	7.3	38.1	0.0	38.1	0.19	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	6.00	77.50	2	4.00	4.00	0.000	0.00
2	Lt Edge	0.00	6.00	1	0.00	0.00	0.000	0.00
3	Rt Edge	77.50	83.50	6	0.00	0.00	0.000	0.00

## 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	16.56	0.07				
2	1.00	16.56	0.00				
3	1.00	16.56	0.00				

WALL LAYOUT:

Wall Id	Orn	LeftEW Offset	BackSW Offset	Wall Length	Load Width
6	T	13.75	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	
Col42	5.0	6X2C16	6.00	16ga	2.00	16ga	16.1	35.3	8 0.38 Deflect	
Col43	10.0	6X2C16	6.00	16ga	2.00	16ga	16.3	35.8	8 0.40 Deflect	
Col44	15.0	6X2C16	6.00	16ga	2.00	16ga	16.5	36.2	8 0.41 Deflect	
Col45	20.0	6X2C16	6.00	16ga	2.00	16ga	16.8	36.7	8 0.43 Deflect	
Col46	25.0	6X2C16	6.00	16ga	2.00	16ga	17.0	37.1	8 0.45 Deflect	
Col47	30.0	6X2C16	6.00	16ga	2.00	16ga	17.1	37.4	8 0.46 Deflect	
Col48	35.0	6X2C16	6.00	16ga	2.00	16ga	17.0	37.1	8 0.45 Deflect	
Col49	40.0	6X2C16	6.00	16ga	2.00	16ga	16.8	36.7	8 0.43 Deflect	
Col50	45.0	6X2C16	6.00	16ga	2.00	16ga	16.5	36.2	8 0.41 Deflect	
Col51	50.0	6X2C16	6.00	16ga	2.00	16ga	16.3	35.8	8 0.40 Deflect	
Col52	55.0	6X2C16	6.00	16ga	2.00	16ga	16.1	35.3	8 0.38 Deflect	
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+
Col42	1	1.62	8.65	0.00	3.32	0.00	3.07	0.19	0.00	0.19	0.00
Col42	2	0.22	8.65	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col42	3	1.16	8.65	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col42	4	1.16	8.65	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col42	5	1.27	8.65	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col42	6	0.92	8.65	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col42	7	0.92	8.65	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col42	8	-0.73	21.18	0.24	3.32	-0.98	3.07	0.03	0.07	0.28	0.00
Col42	9	-0.35	21.18	0.24	3.32	-0.98	3.07	0.02	0.07	0.30	0.00
Col42	10	-0.73	21.18	-0.24	3.32	0.98	3.07	0.03	0.07	0.28	0.00
Col42	11	-0.35	21.18	-0.24	3.32	0.98	3.07	0.02	0.07	0.30	0.00
Col42	12	-0.73	21.18	-0.24	3.32	0.98	3.07	0.03	0.07	0.28	0.00
Col42	13	-0.35	21.18	-0.24	3.32	0.98	3.07	0.02	0.07	0.30	0.00
Col42	14	-0.44	21.18	-0.24	3.32	0.98	3.07	0.02	0.07	0.30	0.00
Col42	15	-0.06	21.18	-0.24	3.32	0.98	3.07	0.00	0.07	0.31	0.00
Col42	16	0.80	8.65	-0.18	3.32	0.73	3.07	0.09	0.05	0.33	0.00
Col42	17	1.09	8.65	-0.18	3.32	0.73	3.07	0.13	0.05	0.36	0.00
Col42	18	0.59	8.65	-0.18	3.32	0.73	3.07	0.07	0.05	0.31	0.00
Col42	19	0.87	8.65	-0.18	3.32	0.73	3.07	0.10	0.05	0.34	0.00
Col42	20	0.46	8.65	-0.18	3.32	0.73	3.07	0.05	0.05	0.29	0.00
Col42	21	0.74	8.65	-0.18	3.32	0.73	3.07	0.09	0.05	0.32	0.00
Col42	22	0.24	8.65	-0.18	3.32	0.73	3.07	0.03	0.05	0.27	0.00
Col42	23	0.52	8.65	-0.18	3.32	0.73	3.07	0.06	0.05	0.30	0.00
Col42	24	0.46	8.65	-0.18	3.32	0.73	3.07	0.05	0.05	0.29	0.00
Col42	25	0.74	8.65	-0.18	3.32	0.73	3.07	0.09	0.05	0.32	0.00
Col42	26	0.24	8.65	-0.18	3.32	0.73	3.07	0.03	0.05	0.27	0.00
Col42	27	0.52	8.65	-0.18	3.32	0.73	3.07	0.06	0.05	0.30	0.00
Col42	28	-0.78	21.18	0.24	3.32	-0.98	3.07	0.04	0.07	0.28	0.00
Col42	29	-0.40	21.18	0.24	3.32	-0.98	3.07	0.02	0.07	0.30	0.00
Col42	30	-0.78	21.18	-0.24	3.32	0.98	3.07	0.04	0.07	0.28	0.00

Col42	31	-0.40	21.18	-0.24	3.32	0.98	3.07	0.02	0.07	0.30	0.00
Col42	32	-0.78	21.18	-0.24	3.32	0.98	3.07	0.04	0.07	0.28	0.00
Col42	33	-0.40	21.18	-0.24	3.32	0.98	3.07	0.02	0.07	0.30	0.00
Col42	34	-0.49	21.18	-0.24	3.32	0.98	3.07	0.02	0.07	0.29	0.00
Col42	35	-0.11	21.18	-0.24	3.32	0.98	3.07	0.01	0.07	0.31	0.00
Col42	36	0.22	8.65	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col42	37	0.22	8.65	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col42	38	1.27	8.65	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col42	39	1.27	8.65	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col42	40	0.93	8.65	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col42	41	0.93	8.65	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col42	42	0.93	8.65	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col42	43	0.93	8.65	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col42	44	0.12	8.65	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col42	45	0.12	8.65	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col42	46	1.34	8.65	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col42	47	0.59	8.65	-0.18	3.32	0.73	3.07	0.07	0.05	0.31	0.00
Col42	48	0.88	8.65	-0.18	3.32	0.73	3.07	0.10	0.05	0.34	0.00
Col42	49	0.22	8.65	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col42	50	0.22	8.65	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col42	51	0.13	8.65	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col42	52	0.13	8.65	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col42	53	1.16	8.65	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col42	54	0.93	8.65	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col42	55	0.93	8.65	-0.18	3.32	0.73	3.07	0.11	0.05	0.35	0.00
Col42	56	0.93	8.65	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col43	1	1.62	8.55	0.00	3.32	0.00	3.07	0.19	0.00	0.19	0.00
Col43	2	0.22	8.55	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col43	3	1.16	8.55	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col43	4	1.16	8.55	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col43	5	1.27	8.55	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col43	6	0.92	8.55	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col43	7	0.92	8.55	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col43	8	-0.73	21.18	0.25	3.32	-1.00	3.07	0.03	0.07	0.29	0.00
Col43	9	-0.35	21.18	0.25	3.32	-1.00	3.07	0.02	0.07	0.31	0.00
Col43	10	-0.73	21.18	-0.25	3.32	1.00	3.07	0.03	0.07	0.29	0.00
Col43	11	-0.35	21.18	-0.25	3.32	1.00	3.07	0.02	0.07	0.31	0.00
Col43	12	-0.73	21.18	-0.25	3.32	1.00	3.07	0.03	0.07	0.29	0.00
Col43	13	-0.35	21.18	-0.25	3.32	1.00	3.07	0.02	0.07	0.31	0.00
Col43	14	-0.44	21.18	-0.25	3.32	1.00	3.07	0.02	0.07	0.31	0.00
Col43	15	-0.06	21.18	-0.25	3.32	1.00	3.07	0.00	0.07	0.32	0.00
Col43	16	0.80	8.55	-0.18	3.32	0.75	3.07	0.09	0.06	0.34	0.00
Col43	17	1.09	8.55	-0.18	3.32	0.75	3.07	0.13	0.06	0.37	0.00
Col43	18	0.59	8.55	-0.18	3.32	0.75	3.07	0.07	0.06	0.31	0.00
Col43	19	0.87	8.55	-0.18	3.32	0.75	3.07	0.10	0.06	0.35	0.00
Col43	20	0.46	8.55	-0.18	3.32	0.75	3.07	0.05	0.06	0.30	0.00
Col43	21	0.74	8.55	-0.18	3.32	0.75	3.07	0.09	0.06	0.33	0.00
Col43	22	0.24	8.55	-0.18	3.32	0.75	3.07	0.03	0.06	0.27	0.00
Col43	23	0.52	8.55	-0.18	3.32	0.75	3.07	0.06	0.06	0.31	0.00
Col43	24	0.46	8.55	-0.18	3.32	0.75	3.07	0.05	0.06	0.30	0.00
Col43	25	0.74	8.55	-0.18	3.32	0.75	3.07	0.09	0.06	0.33	0.00
Col43	26	0.24	8.55	-0.18	3.32	0.75	3.07	0.03	0.06	0.27	0.00
Col43	27	0.52	8.55	-0.18	3.32	0.75	3.07	0.06	0.06	0.31	0.00
Col43	28	-0.78	21.18	0.25	3.32	-1.00	3.07	0.04	0.07	0.29	0.00
Col43	29	-0.40	21.18	0.25	3.32	-1.00	3.07	0.02	0.07	0.31	0.00
Col43	30	-0.78	21.18	-0.25	3.32	1.00	3.07	0.04	0.07	0.29	0.00
Col43	31	-0.40	21.18	-0.25	3.32	1.00	3.07	0.02	0.07	0.31	0.00
Col43	32	-0.78	21.18	-0.25	3.32	1.00	3.07	0.04	0.07	0.29	0.00
Col43	33	-0.40	21.18	-0.25	3.32	1.00	3.07	0.02	0.07	0.31	0.00
Col43	34	-0.49	21.18	-0.25	3.32	1.00	3.07	0.02	0.07	0.30	0.00
Col43	35	-0.11	21.18	-0.25	3.32	1.00	3.07	0.01	0.07	0.32	0.00
Col43	36	0.23	8.55	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col43	37	0.23	8.55	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col43	38	1.27	8.55	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col43	39	1.27	8.55	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00

Col143	40	0.93	8.55	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col143	41	0.93	8.55	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col143	42	0.93	8.55	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col143	43	0.93	8.55	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col143	44	0.12	8.55	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col143	45	0.12	8.55	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col143	46	1.34	8.55	0.00	3.32	0.00	3.07	0.16	0.00	0.16	0.00
Col143	47	0.59	8.55	-0.18	3.32	0.75	3.07	0.07	0.06	0.31	0.00
Col143	48	0.88	8.55	-0.18	3.32	0.75	3.07	0.10	0.06	0.35	0.00
Col143	49	0.22	8.55	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col143	50	0.22	8.55	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col143	51	0.13	8.55	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col143	52	0.13	8.55	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col143	53	1.27	8.55	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col143	54	1.01	8.55	0.00	3.32	0.00	3.07	0.12	0.00	0.12	0.00
Col143	55	1.01	8.55	-0.18	3.32	0.75	3.07	0.12	0.06	0.36	0.00
Col143	56	1.01	8.55	0.00	3.32	0.00	3.07	0.12	0.00	0.12	0.00
Col144	1	1.62	8.44	0.00	3.32	0.00	3.07	0.19	0.00	0.19	0.00
Col144	2	0.22	8.44	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col144	3	1.16	8.44	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col144	4	1.16	8.44	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col144	5	1.27	8.44	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col144	6	0.92	8.44	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col144	7	0.92	8.44	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col144	8	-0.73	21.18	0.25	3.32	-1.03	3.07	0.03	0.07	0.30	0.00
Col144	9	-0.35	21.18	0.25	3.32	-1.03	3.07	0.02	0.07	0.32	0.00
Col144	10	-0.73	21.18	-0.25	3.32	1.03	3.07	0.03	0.07	0.30	0.00
Col144	11	-0.35	21.18	-0.25	3.32	1.03	3.07	0.02	0.07	0.32	0.00
Col144	12	-0.73	21.18	-0.25	3.32	1.03	3.07	0.03	0.07	0.30	0.00
Col144	13	-0.35	21.18	-0.25	3.32	1.03	3.07	0.02	0.07	0.32	0.00
Col144	14	-0.44	21.18	-0.25	3.32	1.03	3.07	0.02	0.07	0.31	0.00
Col144	15	-0.06	21.18	-0.25	3.32	1.03	3.07	0.00	0.07	0.33	0.00
Col144	16	0.80	8.44	-0.19	3.32	0.77	3.07	0.10	0.06	0.35	0.00
Col144	17	1.09	8.44	-0.19	3.32	0.77	3.07	0.13	0.06	0.38	0.00
Col144	18	0.59	8.44	-0.19	3.32	0.77	3.07	0.07	0.06	0.32	0.00
Col144	19	0.87	8.44	-0.19	3.32	0.77	3.07	0.10	0.06	0.35	0.00
Col144	20	0.46	8.44	-0.19	3.32	0.77	3.07	0.05	0.06	0.30	0.00
Col144	21	0.74	8.44	-0.19	3.32	0.77	3.07	0.09	0.06	0.34	0.00
Col144	22	0.24	8.44	-0.19	3.32	0.77	3.07	0.03	0.06	0.28	0.00
Col144	23	0.52	8.44	-0.19	3.32	0.77	3.07	0.06	0.06	0.31	0.00
Col144	24	0.46	8.44	-0.19	3.32	0.77	3.07	0.05	0.06	0.30	0.00
Col144	25	0.74	8.44	-0.19	3.32	0.77	3.07	0.09	0.06	0.34	0.00
Col144	26	0.24	8.44	-0.19	3.32	0.77	3.07	0.03	0.06	0.28	0.00
Col144	27	0.52	8.44	-0.19	3.32	0.77	3.07	0.06	0.06	0.31	0.00
Col144	28	-0.78	21.18	0.25	3.32	-1.03	3.07	0.04	0.07	0.30	0.00
Col144	29	-0.40	21.18	0.25	3.32	-1.03	3.07	0.02	0.07	0.32	0.00
Col144	30	-0.78	21.18	-0.25	3.32	1.03	3.07	0.04	0.07	0.30	0.00
Col144	31	-0.40	21.18	-0.25	3.32	1.03	3.07	0.02	0.07	0.32	0.00
Col144	32	-0.78	21.18	-0.25	3.32	1.03	3.07	0.04	0.07	0.30	0.00
Col144	33	-0.40	21.18	-0.25	3.32	1.03	3.07	0.02	0.07	0.32	0.00
Col144	34	-0.49	21.18	-0.25	3.32	1.03	3.07	0.02	0.07	0.31	0.00
Col144	35	-0.11	21.18	-0.25	3.32	1.03	3.07	0.01	0.07	0.33	0.00
Col144	36	0.23	8.44	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col144	37	0.23	8.44	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col144	38	1.27	8.44	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col144	39	1.27	8.44	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col144	40	0.93	8.44	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col144	41	0.93	8.44	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col144	42	0.93	8.44	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col144	43	0.93	8.44	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col144	44	0.13	8.44	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col144	45	0.13	8.44	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col144	46	1.34	8.44	0.00	3.32	0.00	3.07	0.16	0.00	0.16	0.00
Col144	47	0.59	8.44	-0.19	3.32	0.77	3.07	0.07	0.06	0.32	0.00
Col144	48	0.88	8.44	-0.19	3.32	0.77	3.07	0.10	0.06	0.35	0.00

Col144	49	0.22	8.44	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col144	50	0.22	8.44	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col144	51	0.13	8.44	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col144	52	0.13	8.44	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col144	53	1.50	8.44	0.00	3.32	0.00	3.07	0.18	0.00	0.18	0.00
Col144	54	1.18	8.44	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col144	55	1.18	8.44	-0.19	3.32	0.77	3.07	0.14	0.06	0.39	0.00
Col144	56	1.18	8.44	0.00	3.32	0.00	3.07	0.14	0.00	0.14	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	1.16	8.34	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col145	4	1.16	8.34	0.00	3.32	0.00	3.07	0.14	0.00	0.14	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	0.92	8.34	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col145	7	0.92	8.34	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col145	8	-0.73	21.18	0.25	3.32	-1.05	3.07	0.03	0.08	0.31	0.00
Col145	9	-0.35	21.18	0.25	3.32	-1.05	3.07	0.02	0.08	0.33	0.00
Col145	10	-0.73	21.18	-0.25	3.32	1.05	3.07	0.03	0.08	0.31	0.00
Col145	11	-0.35	21.18	-0.25	3.32	1.05	3.07	0.02	0.08	0.33	0.00
Col145	12	-0.73	21.18	-0.25	3.32	1.05	3.07	0.03	0.08	0.31	0.00
Col145	13	-0.35	21.18	-0.25	3.32	1.05	3.07	0.02	0.08	0.33	0.00
Col145	14	-0.44	21.18	-0.25	3.32	1.05	3.07	0.02	0.08	0.32	0.00
Col145	15	-0.06	21.18	-0.25	3.32	1.05	3.07	0.00	0.08	0.34	0.00
Col145	16	0.80	8.34	-0.19	3.32	0.79	3.07	0.10	0.06	0.35	0.00
Col145	17	1.09	8.34	-0.19	3.32	0.79	3.07	0.13	0.06	0.39	0.00
Col145	18	0.59	8.34	-0.19	3.32	0.79	3.07	0.07	0.06	0.33	0.00
Col145	19	0.87	8.34	-0.19	3.32	0.79	3.07	0.10	0.06	0.36	0.00
Col145	20	0.46	8.34	-0.19	3.32	0.79	3.07	0.05	0.06	0.31	0.00
Col145	21	0.74	8.34	-0.19	3.32	0.79	3.07	0.09	0.06	0.35	0.00
Col145	22	0.24	8.34	-0.19	3.32	0.79	3.07	0.03	0.06	0.29	0.00
Col145	23	0.52	8.34	-0.19	3.32	0.79	3.07	0.06	0.06	0.32	0.00
Col145	24	0.46	8.34	-0.19	3.32	0.79	3.07	0.05	0.06	0.31	0.00
Col145	25	0.74	8.34	-0.19	3.32	0.79	3.07	0.09	0.06	0.35	0.00
Col145	26	0.24	8.34	-0.19	3.32	0.79	3.07	0.03	0.06	0.29	0.00
Col145	27	0.52	8.34	-0.19	3.32	0.79	3.07	0.06	0.06	0.32	0.00
Col145	28	-0.78	21.18	0.25	3.32	-1.05	3.07	0.04	0.08	0.31	0.00
Col145	29	-0.40	21.18	0.25	3.32	-1.05	3.07	0.02	0.08	0.32	0.00
Col145	30	-0.78	21.18	-0.25	3.32	1.05	3.07	0.04	0.08	0.31	0.00
Col145	31	-0.40	21.18	-0.25	3.32	1.05	3.07	0.02	0.08	0.32	0.00
Col145	32	-0.78	21.18	-0.25	3.32	1.05	3.07	0.04	0.08	0.31	0.00
Col145	33	-0.40	21.18	-0.25	3.32	1.05	3.07	0.02	0.08	0.32	0.00
Col145	34	-0.49	21.18	-0.25	3.32	1.05	3.07	0.02	0.08	0.32	0.00
Col145	35	-0.11	21.18	-0.25	3.32	1.05	3.07	0.01	0.08	0.34	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	0.93	8.34	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col145	41	0.93	8.34	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col145	42	0.93	8.34	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col145	43	0.93	8.34	0.00	3.32	0.00	3.07	0.11	0.00	0.11	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	1.34	8.34	0.00	3.32	0.00	3.07	0.16	0.00	0.16	0.00
Col145	47	0.60	8.34	-0.19	3.32	0.79	3.07	0.07	0.06	0.33	0.00
Col145	48	0.88	8.34	-0.19	3.32	0.79	3.07	0.11	0.06	0.36	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	1.51	8.34	0.00	3.32	0.00	3.07	0.18	0.00	0.18	0.00
Col145	54	1.19	8.34	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col145	55	1.19	8.34	-0.19	3.32	0.79	3.07	0.14	0.06	0.40	0.00
Col145	56	1.19	8.34	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col146	1	1.62	8.23	0.00	3.32	0.00	3.07	0.20	0.00	0.20	0.00

Col146	2	0.22	8.23	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col146	3	1.16	8.23	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col146	4	1.16	8.23	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col146	5	1.27	8.23	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col146	6	0.92	8.23	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col146	7	0.92	8.23	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col146	8	-0.73	21.18	0.25	3.32	-1.08	3.07	0.03	0.08	0.32	0.00
Col146	9	-0.35	21.18	0.25	3.32	-1.08	3.07	0.02	0.08	0.33	0.00
Col146	10	-0.73	21.18	-0.25	3.32	1.08	3.07	0.03	0.08	0.32	0.00
Col146	11	-0.35	21.18	-0.25	3.32	1.08	3.07	0.02	0.08	0.33	0.00
Col146	12	-0.73	21.18	-0.25	3.32	1.08	3.07	0.03	0.08	0.32	0.00
Col146	13	-0.35	21.18	-0.25	3.32	1.08	3.07	0.02	0.08	0.33	0.00
Col146	14	-0.44	21.18	-0.25	3.32	1.08	3.07	0.02	0.08	0.33	0.00
Col146	15	-0.06	21.18	-0.25	3.32	1.08	3.07	0.00	0.08	0.35	0.00
Col146	16	0.80	8.23	-0.19	3.32	0.81	3.07	0.10	0.06	0.36	0.00
Col146	17	1.09	8.23	-0.19	3.32	0.81	3.07	0.13	0.06	0.40	0.00
Col146	18	0.59	8.23	-0.19	3.32	0.81	3.07	0.07	0.06	0.33	0.00
Col146	19	0.87	8.23	-0.19	3.32	0.81	3.07	0.11	0.06	0.37	0.00
Col146	20	0.46	8.23	-0.19	3.32	0.81	3.07	0.06	0.06	0.32	0.00
Col146	21	0.74	8.23	-0.19	3.32	0.81	3.07	0.09	0.06	0.35	0.00
Col146	22	0.24	8.23	-0.19	3.32	0.81	3.07	0.03	0.06	0.29	0.00
Col146	23	0.53	8.23	-0.19	3.32	0.81	3.07	0.06	0.06	0.33	0.00
Col146	24	0.46	8.23	-0.19	3.32	0.81	3.07	0.06	0.06	0.32	0.00
Col146	25	0.74	8.23	-0.19	3.32	0.81	3.07	0.09	0.06	0.35	0.00
Col146	26	0.24	8.23	-0.19	3.32	0.81	3.07	0.03	0.06	0.29	0.00
Col146	27	0.53	8.23	-0.19	3.32	0.81	3.07	0.06	0.06	0.33	0.00
Col146	28	-0.78	21.18	0.25	3.32	-1.08	3.07	0.04	0.08	0.31	0.00
Col146	29	-0.40	21.18	0.25	3.32	-1.08	3.07	0.02	0.08	0.33	0.00
Col146	30	-0.78	21.18	-0.25	3.32	1.08	3.07	0.04	0.08	0.31	0.00
Col146	31	-0.40	21.18	-0.25	3.32	1.08	3.07	0.02	0.08	0.33	0.00
Col146	32	-0.78	21.18	-0.25	3.32	1.08	3.07	0.04	0.08	0.31	0.00
Col146	33	-0.40	21.18	-0.25	3.32	1.08	3.07	0.02	0.08	0.33	0.00
Col146	34	-0.49	21.18	-0.25	3.32	1.08	3.07	0.02	0.08	0.33	0.00
Col146	35	-0.11	21.18	-0.25	3.32	1.08	3.07	0.01	0.08	0.35	0.00
Col146	36	0.23	8.23	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col146	37	0.23	8.23	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col146	38	1.28	8.23	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col146	39	1.27	8.23	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col146	40	0.93	8.23	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col146	41	0.93	8.23	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col146	42	0.93	8.23	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col146	43	0.93	8.23	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col146	44	0.13	8.23	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col146	45	0.13	8.23	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col146	46	1.34	8.23	0.00	3.32	0.00	3.07	0.16	0.00	0.16	0.00
Col146	47	0.60	8.23	-0.19	3.32	0.81	3.07	0.07	0.06	0.34	0.00
Col146	48	0.88	8.23	-0.19	3.32	0.81	3.07	0.11	0.06	0.37	0.00
Col146	49	0.22	8.23	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col146	50	0.22	8.23	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col146	51	0.13	8.23	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col146	52	0.13	8.23	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col146	53	1.51	8.23	0.00	3.32	0.00	3.07	0.18	0.00	0.18	0.00
Col146	54	1.19	8.23	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col146	55	1.19	8.23	-0.19	3.32	0.81	3.07	0.14	0.06	0.41	0.00
Col146	56	1.19	8.23	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col147	1	1.62	8.17	0.00	3.32	0.00	3.07	0.20	0.00	0.20	0.00
Col147	2	0.22	8.17	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col147	3	1.16	8.17	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col147	4	1.16	8.17	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col147	5	1.27	8.17	0.00	3.32	0.00	3.07	0.16	0.00	0.16	0.00
Col147	6	0.93	8.17	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col147	7	0.93	8.17	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col147	8	-0.53	21.18	0.26	3.32	-1.09	3.07	0.02	0.08	0.33	0.00
Col147	9	-0.53	21.18	0.26	3.32	-1.09	3.07	0.02	0.08	0.33	0.00
Col147	10	-0.53	21.18	-0.26	3.32	1.09	3.07	0.02	0.08	0.33	0.00



Col47	11	-0.53	21.18	-0.26	3.32	1.09	3.07	0.02	0.08	0.33	0.00
Col47	12	-0.53	21.18	-0.26	3.32	1.09	3.07	0.02	0.08	0.33	0.00
Col47	13	-0.53	21.18	-0.26	3.32	1.09	3.07	0.02	0.08	0.33	0.00
Col47	14	-0.24	21.18	-0.26	3.32	1.09	3.07	0.01	0.08	0.35	0.00
Col47	15	-0.24	21.18	-0.26	3.32	1.09	3.07	0.01	0.08	0.35	0.00
Col47	16	0.95	8.17	-0.19	3.32	0.82	3.07	0.12	0.06	0.38	0.00
Col47	17	0.95	8.17	-0.19	3.32	0.82	3.07	0.12	0.06	0.38	0.00
Col47	18	0.74	8.17	-0.19	3.32	0.82	3.07	0.09	0.06	0.36	0.00
Col47	19	0.74	8.17	-0.19	3.32	0.82	3.07	0.09	0.06	0.36	0.00
Col47	20	0.60	8.17	-0.19	3.32	0.82	3.07	0.07	0.06	0.34	0.00
Col47	21	0.60	8.17	-0.19	3.32	0.82	3.07	0.07	0.06	0.34	0.00
Col47	22	0.39	8.17	-0.19	3.32	0.82	3.07	0.05	0.06	0.32	0.00
Col47	23	0.39	8.17	-0.19	3.32	0.82	3.07	0.05	0.06	0.32	0.00
Col47	24	0.60	8.17	-0.19	3.32	0.82	3.07	0.07	0.06	0.34	0.00
Col47	25	0.60	8.17	-0.19	3.32	0.82	3.07	0.07	0.06	0.34	0.00
Col47	26	0.39	8.17	-0.19	3.32	0.82	3.07	0.05	0.06	0.32	0.00
Col47	27	0.39	8.17	-0.19	3.32	0.82	3.07	0.05	0.06	0.32	0.00
Col47	28	-0.58	21.18	0.26	3.32	-1.09	3.07	0.03	0.08	0.33	0.00
Col47	29	-0.58	21.18	0.26	3.32	-1.09	3.07	0.03	0.08	0.33	0.00
Col47	30	-0.58	21.18	-0.26	3.32	1.09	3.07	0.03	0.08	0.33	0.00
Col47	31	-0.58	21.18	-0.26	3.32	1.09	3.07	0.03	0.08	0.33	0.00
Col47	32	-0.58	21.18	-0.26	3.32	1.09	3.07	0.03	0.08	0.33	0.00
Col47	33	-0.58	21.18	-0.26	3.32	1.09	3.07	0.03	0.08	0.33	0.00
Col47	34	-0.30	21.18	-0.26	3.32	1.09	3.07	0.01	0.08	0.34	0.00
Col47	35	-0.30	21.18	-0.26	3.32	1.09	3.07	0.01	0.08	0.34	0.00
Col47	36	0.23	8.17	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col47	37	0.23	8.17	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col47	38	1.27	8.17	0.00	3.32	0.00	3.07	0.16	0.00	0.16	0.00
Col47	39	1.27	8.17	0.00	3.32	0.00	3.07	0.16	0.00	0.16	0.00
Col47	40	0.93	8.17	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col47	41	0.93	8.17	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col47	42	0.93	8.17	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col47	43	0.93	8.17	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col47	44	0.13	8.17	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col47	45	0.13	8.17	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col47	46	1.32	8.17	0.00	3.32	0.00	3.07	0.16	0.00	0.16	0.00
Col47	47	0.72	8.17	-0.19	3.32	0.82	3.07	0.09	0.06	0.36	0.00
Col47	48	0.72	8.17	-0.19	3.32	0.82	3.07	0.09	0.06	0.36	0.00
Col47	49	0.22	8.17	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col47	50	0.22	8.17	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col47	51	0.13	8.17	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col47	52	0.13	8.17	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col47	53	1.49	8.17	0.00	3.32	0.00	3.07	0.18	0.00	0.18	0.00
Col47	54	1.17	8.17	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col47	55	1.17	8.17	-0.19	3.32	0.82	3.07	0.14	0.06	0.41	0.00
Col47	56	1.17	8.17	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col48	1	1.62	8.23	0.00	3.32	0.00	3.07	0.20	0.00	0.20	0.00
Col48	2	0.22	8.23	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col48	3	1.16	8.23	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col48	4	1.16	8.23	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col48	5	1.27	8.23	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col48	6	0.92	8.23	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col48	7	0.92	8.23	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col48	8	-0.35	21.18	0.25	3.32	-1.08	3.07	0.02	0.08	0.33	0.00
Col48	9	-0.73	21.18	0.25	3.32	-1.08	3.07	0.03	0.08	0.32	0.00
Col48	10	-0.35	21.18	-0.25	3.32	1.08	3.07	0.02	0.08	0.33	0.00
Col48	11	-0.73	21.18	-0.25	3.32	1.08	3.07	0.03	0.08	0.32	0.00
Col48	12	-0.35	21.18	-0.25	3.32	1.08	3.07	0.02	0.08	0.33	0.00
Col48	13	-0.73	21.18	-0.25	3.32	1.08	3.07	0.03	0.08	0.32	0.00
Col48	14	-0.06	21.18	-0.25	3.32	1.08	3.07	0.00	0.08	0.35	0.00
Col48	15	-0.44	21.18	-0.25	3.32	1.08	3.07	0.02	0.08	0.33	0.00
Col48	16	1.09	8.23	-0.19	3.32	0.81	3.07	0.13	0.06	0.40	0.00
Col48	17	0.80	8.23	-0.19	3.32	0.81	3.07	0.10	0.06	0.36	0.00
Col48	18	0.87	8.23	-0.19	3.32	0.81	3.07	0.11	0.06	0.37	0.00
Col48	19	0.59	8.23	-0.19	3.32	0.81	3.07	0.07	0.06	0.33	0.00

Col148	20	0.74	8.23	-0.19	3.32	0.81	3.07	0.09	0.06	0.35	0.00
Col148	21	0.46	8.23	-0.19	3.32	0.81	3.07	0.06	0.06	0.32	0.00
Col148	22	0.53	8.23	-0.19	3.32	0.81	3.07	0.06	0.06	0.33	0.00
Col148	23	0.24	8.23	-0.19	3.32	0.81	3.07	0.03	0.06	0.29	0.00
Col148	24	0.74	8.23	-0.19	3.32	0.81	3.07	0.09	0.06	0.35	0.00
Col148	25	0.46	8.23	-0.19	3.32	0.81	3.07	0.06	0.06	0.32	0.00
Col148	26	0.53	8.23	-0.19	3.32	0.81	3.07	0.06	0.06	0.33	0.00
Col148	27	0.24	8.23	-0.19	3.32	0.81	3.07	0.03	0.06	0.29	0.00
Col148	28	-0.40	21.18	0.25	3.32	-1.08	3.07	0.02	0.08	0.33	0.00
Col148	29	-0.78	21.18	0.25	3.32	-1.08	3.07	0.04	0.08	0.31	0.00
Col148	30	-0.40	21.18	-0.25	3.32	1.08	3.07	0.02	0.08	0.33	0.00
Col148	31	-0.78	21.18	-0.25	3.32	1.08	3.07	0.04	0.08	0.31	0.00
Col148	32	-0.40	21.18	-0.25	3.32	1.08	3.07	0.02	0.08	0.33	0.00
Col148	33	-0.78	21.18	-0.25	3.32	1.08	3.07	0.04	0.08	0.31	0.00
Col148	34	-0.11	21.18	-0.25	3.32	1.08	3.07	0.01	0.08	0.35	0.00
Col148	35	-0.49	21.18	-0.25	3.32	1.08	3.07	0.02	0.08	0.33	0.00
Col148	36	0.23	8.23	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col148	37	0.23	8.23	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col148	38	1.27	8.23	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col148	39	1.28	8.23	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col148	40	0.93	8.23	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col148	41	0.93	8.23	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col148	42	0.93	8.23	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col148	43	0.93	8.23	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col148	44	0.13	8.23	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col148	45	0.13	8.23	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col148	46	1.34	8.23	0.00	3.32	0.00	3.07	0.16	0.00	0.16	0.00
Col148	47	0.88	8.23	-0.19	3.32	0.81	3.07	0.11	0.06	0.37	0.00
Col148	48	0.60	8.23	-0.19	3.32	0.81	3.07	0.07	0.06	0.34	0.00
Col148	49	0.22	8.23	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col148	50	0.22	8.23	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col148	51	0.13	8.23	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col148	52	0.13	8.23	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col148	53	1.51	8.23	0.00	3.32	0.00	3.07	0.18	0.00	0.18	0.00
Col148	54	1.19	8.23	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col148	55	1.19	8.23	-0.19	3.32	0.81	3.07	0.14	0.06	0.41	0.00
Col148	56	1.19	8.23	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col149	1	1.62	8.34	0.00	3.32	0.00	3.07	0.19	0.00	0.19	0.00
Col149	2	0.22	8.34	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col149	3	1.16	8.34	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col149	4	1.16	8.34	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col149	5	1.27	8.34	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col149	6	0.92	8.34	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col149	7	0.92	8.34	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col149	8	-0.35	21.18	0.25	3.32	-1.05	3.07	0.02	0.08	0.33	0.00
Col149	9	-0.73	21.18	0.25	3.32	-1.05	3.07	0.03	0.08	0.31	0.00
Col149	10	-0.35	21.18	-0.25	3.32	1.05	3.07	0.02	0.08	0.33	0.00
Col149	11	-0.73	21.18	-0.25	3.32	1.05	3.07	0.03	0.08	0.31	0.00
Col149	12	-0.35	21.18	-0.25	3.32	1.05	3.07	0.02	0.08	0.33	0.00
Col149	13	-0.73	21.18	-0.25	3.32	1.05	3.07	0.03	0.08	0.31	0.00
Col149	14	-0.06	21.18	-0.25	3.32	1.05	3.07	0.00	0.08	0.34	0.00
Col149	15	-0.44	21.18	-0.25	3.32	1.05	3.07	0.02	0.08	0.32	0.00
Col149	16	1.09	8.34	-0.19	3.32	0.79	3.07	0.13	0.06	0.39	0.00
Col149	17	0.80	8.34	-0.19	3.32	0.79	3.07	0.10	0.06	0.35	0.00
Col149	18	0.87	8.34	-0.19	3.32	0.79	3.07	0.10	0.06	0.36	0.00
Col149	19	0.59	8.34	-0.19	3.32	0.79	3.07	0.07	0.06	0.33	0.00
Col149	20	0.74	8.34	-0.19	3.32	0.79	3.07	0.09	0.06	0.35	0.00
Col149	21	0.46	8.34	-0.19	3.32	0.79	3.07	0.05	0.06	0.31	0.00
Col149	22	0.52	8.34	-0.19	3.32	0.79	3.07	0.06	0.06	0.32	0.00
Col149	23	0.24	8.34	-0.19	3.32	0.79	3.07	0.03	0.06	0.29	0.00
Col149	24	0.74	8.34	-0.19	3.32	0.79	3.07	0.09	0.06	0.35	0.00
Col149	25	0.46	8.34	-0.19	3.32	0.79	3.07	0.05	0.06	0.31	0.00
Col149	26	0.52	8.34	-0.19	3.32	0.79	3.07	0.06	0.06	0.32	0.00
Col149	27	0.24	8.34	-0.19	3.32	0.79	3.07	0.03	0.06	0.29	0.00
Col149	28	-0.40	21.18	0.25	3.32	-1.05	3.07	0.02	0.08	0.32	0.00

Col149	29	-0.78	21.18	0.25	3.32	-1.05	3.07	0.04	0.08	0.31	0.00
Col149	30	-0.40	21.18	-0.25	3.32	1.05	3.07	0.02	0.08	0.32	0.00
Col149	31	-0.78	21.18	-0.25	3.32	1.05	3.07	0.04	0.08	0.31	0.00
Col149	32	-0.40	21.18	-0.25	3.32	1.05	3.07	0.02	0.08	0.32	0.00
Col149	33	-0.78	21.18	-0.25	3.32	1.05	3.07	0.04	0.08	0.31	0.00
Col149	34	-0.11	21.18	-0.25	3.32	1.05	3.07	0.01	0.08	0.34	0.00
Col149	35	-0.49	21.18	-0.25	3.32	1.05	3.07	0.02	0.08	0.32	0.00
Col149	36	0.23	8.34	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col149	37	0.23	8.34	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col149	38	1.27	8.34	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col149	39	1.27	8.34	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col149	40	0.93	8.34	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col149	41	0.93	8.34	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col149	42	0.93	8.34	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col149	43	0.93	8.34	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col149	44	0.13	8.34	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col149	45	0.13	8.34	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col149	46	1.34	8.34	0.00	3.32	0.00	3.07	0.16	0.00	0.16	0.00
Col149	47	0.88	8.34	-0.19	3.32	0.79	3.07	0.11	0.06	0.36	0.00
Col149	48	0.60	8.34	-0.19	3.32	0.79	3.07	0.07	0.06	0.33	0.00
Col149	49	0.22	8.34	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col149	50	0.22	8.34	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col149	51	0.13	8.34	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col149	52	0.13	8.34	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col149	53	1.51	8.34	0.00	3.32	0.00	3.07	0.18	0.00	0.18	0.00
Col149	54	1.19	8.34	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col149	55	1.19	8.34	-0.19	3.32	0.79	3.07	0.14	0.06	0.40	0.00
Col149	56	1.19	8.34	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col150	1	1.62	8.44	0.00	3.32	0.00	3.07	0.19	0.00	0.19	0.00
Col150	2	0.22	8.44	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col150	3	1.16	8.44	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col150	4	1.16	8.44	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col150	5	1.27	8.44	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col150	6	0.92	8.44	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col150	7	0.92	8.44	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col150	8	-0.35	21.18	0.25	3.32	-1.03	3.07	0.02	0.07	0.32	0.00
Col150	9	-0.73	21.18	0.25	3.32	-1.03	3.07	0.03	0.07	0.30	0.00
Col150	10	-0.35	21.18	-0.25	3.32	1.03	3.07	0.02	0.07	0.32	0.00
Col150	11	-0.73	21.18	-0.25	3.32	1.03	3.07	0.03	0.07	0.30	0.00
Col150	12	-0.35	21.18	-0.25	3.32	1.03	3.07	0.02	0.07	0.32	0.00
Col150	13	-0.73	21.18	-0.25	3.32	1.03	3.07	0.03	0.07	0.30	0.00
Col150	14	-0.06	21.18	-0.25	3.32	1.03	3.07	0.00	0.07	0.33	0.00
Col150	15	-0.44	21.18	-0.25	3.32	1.03	3.07	0.02	0.07	0.31	0.00
Col150	16	1.09	8.44	-0.19	3.32	0.77	3.07	0.13	0.06	0.38	0.00
Col150	17	0.80	8.44	-0.19	3.32	0.77	3.07	0.10	0.06	0.35	0.00
Col150	18	0.87	8.44	-0.19	3.32	0.77	3.07	0.10	0.06	0.35	0.00
Col150	19	0.59	8.44	-0.19	3.32	0.77	3.07	0.07	0.06	0.32	0.00
Col150	20	0.74	8.44	-0.19	3.32	0.77	3.07	0.09	0.06	0.34	0.00
Col150	21	0.46	8.44	-0.19	3.32	0.77	3.07	0.05	0.06	0.30	0.00
Col150	22	0.52	8.44	-0.19	3.32	0.77	3.07	0.06	0.06	0.31	0.00
Col150	23	0.24	8.44	-0.19	3.32	0.77	3.07	0.03	0.06	0.28	0.00
Col150	24	0.74	8.44	-0.19	3.32	0.77	3.07	0.09	0.06	0.34	0.00
Col150	25	0.46	8.44	-0.19	3.32	0.77	3.07	0.05	0.06	0.30	0.00
Col150	26	0.52	8.44	-0.19	3.32	0.77	3.07	0.06	0.06	0.31	0.00
Col150	27	0.24	8.44	-0.19	3.32	0.77	3.07	0.03	0.06	0.28	0.00
Col150	28	-0.40	21.18	0.25	3.32	-1.03	3.07	0.02	0.07	0.32	0.00
Col150	29	-0.78	21.18	0.25	3.32	-1.03	3.07	0.04	0.07	0.30	0.00
Col150	30	-0.40	21.18	-0.25	3.32	1.03	3.07	0.02	0.07	0.32	0.00
Col150	31	-0.78	21.18	-0.25	3.32	1.03	3.07	0.04	0.07	0.30	0.00
Col150	32	-0.40	21.18	-0.25	3.32	1.03	3.07	0.02	0.07	0.32	0.00
Col150	33	-0.78	21.18	-0.25	3.32	1.03	3.07	0.04	0.07	0.30	0.00
Col150	34	-0.11	21.18	-0.25	3.32	1.03	3.07	0.01	0.07	0.33	0.00
Col150	35	-0.49	21.18	-0.25	3.32	1.03	3.07	0.02	0.07	0.31	0.00
Col150	36	0.23	8.44	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col150	37	0.23	8.44	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00

Col150	38	1.27	8.44	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col150	39	1.27	8.44	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col150	40	0.93	8.44	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col150	41	0.93	8.44	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col150	42	0.93	8.44	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col150	43	0.93	8.44	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col150	44	0.13	8.44	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col150	45	0.13	8.44	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col150	46	1.34	8.44	0.00	3.32	0.00	3.07	0.16	0.00	0.16	0.00
Col150	47	0.88	8.44	-0.19	3.32	0.77	3.07	0.10	0.06	0.35	0.00
Col150	48	0.59	8.44	-0.19	3.32	0.77	3.07	0.07	0.06	0.32	0.00
Col150	49	0.22	8.44	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col150	50	0.22	8.44	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col150	51	0.13	8.44	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col150	52	0.13	8.44	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col150	53	1.50	8.44	0.00	3.32	0.00	3.07	0.18	0.00	0.18	0.00
Col150	54	1.18	8.44	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col150	55	1.18	8.44	-0.19	3.32	0.77	3.07	0.14	0.06	0.39	0.00
Col150	56	1.18	8.44	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col151	1	1.62	8.55	0.00	3.32	0.00	3.07	0.19	0.00	0.19	0.00
Col151	2	0.22	8.55	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col151	3	1.16	8.55	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col151	4	1.16	8.55	0.00	3.32	0.00	3.07	0.14	0.00	0.14	0.00
Col151	5	1.27	8.55	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col151	6	0.92	8.55	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col151	7	0.92	8.55	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col151	8	-0.35	21.18	0.25	3.32	-1.00	3.07	0.02	0.07	0.31	0.00
Col151	9	-0.73	21.18	0.25	3.32	-1.00	3.07	0.03	0.07	0.29	0.00
Col151	10	-0.35	21.18	-0.25	3.32	1.00	3.07	0.02	0.07	0.31	0.00
Col151	11	-0.73	21.18	-0.25	3.32	1.00	3.07	0.03	0.07	0.29	0.00
Col151	12	-0.35	21.18	-0.25	3.32	1.00	3.07	0.02	0.07	0.31	0.00
Col151	13	-0.73	21.18	-0.25	3.32	1.00	3.07	0.03	0.07	0.29	0.00
Col151	14	-0.06	21.18	-0.25	3.32	1.00	3.07	0.00	0.07	0.32	0.00
Col151	15	-0.44	21.18	-0.25	3.32	1.00	3.07	0.02	0.07	0.31	0.00
Col151	16	1.09	8.55	-0.18	3.32	0.75	3.07	0.13	0.06	0.37	0.00
Col151	17	0.80	8.55	-0.18	3.32	0.75	3.07	0.09	0.06	0.34	0.00
Col151	18	0.87	8.55	-0.18	3.32	0.75	3.07	0.10	0.06	0.35	0.00
Col151	19	0.59	8.55	-0.18	3.32	0.75	3.07	0.07	0.06	0.31	0.00
Col151	20	0.74	8.55	-0.18	3.32	0.75	3.07	0.09	0.06	0.33	0.00
Col151	21	0.46	8.55	-0.18	3.32	0.75	3.07	0.05	0.06	0.30	0.00
Col151	22	0.52	8.55	-0.18	3.32	0.75	3.07	0.06	0.06	0.31	0.00
Col151	23	0.24	8.55	-0.18	3.32	0.75	3.07	0.03	0.06	0.27	0.00
Col151	24	0.74	8.55	-0.18	3.32	0.75	3.07	0.09	0.06	0.33	0.00
Col151	25	0.46	8.55	-0.18	3.32	0.75	3.07	0.05	0.06	0.30	0.00
Col151	26	0.52	8.55	-0.18	3.32	0.75	3.07	0.06	0.06	0.31	0.00
Col151	27	0.24	8.55	-0.18	3.32	0.75	3.07	0.03	0.06	0.27	0.00
Col151	28	-0.40	21.18	0.25	3.32	-1.00	3.07	0.02	0.07	0.31	0.00
Col151	29	-0.78	21.18	0.25	3.32	-1.00	3.07	0.04	0.07	0.29	0.00
Col151	30	-0.40	21.18	-0.25	3.32	1.00	3.07	0.02	0.07	0.31	0.00
Col151	31	-0.78	21.18	-0.25	3.32	1.00	3.07	0.04	0.07	0.29	0.00
Col151	32	-0.40	21.18	-0.25	3.32	1.00	3.07	0.02	0.07	0.31	0.00
Col151	33	-0.78	21.18	-0.25	3.32	1.00	3.07	0.04	0.07	0.29	0.00
Col151	34	-0.11	21.18	-0.25	3.32	1.00	3.07	0.01	0.07	0.32	0.00
Col151	35	-0.49	21.18	-0.25	3.32	1.00	3.07	0.02	0.07	0.30	0.00
Col151	36	0.23	8.55	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col151	37	0.23	8.55	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col151	38	1.27	8.55	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col151	39	1.27	8.55	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col151	40	0.93	8.55	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col151	41	0.93	8.55	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col151	42	0.93	8.55	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col151	43	0.93	8.55	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col151	44	0.12	8.55	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col151	45	0.12	8.55	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col151	46	1.34	8.55	0.00	3.32	0.00	3.07	0.16	0.00	0.16	0.00

Col51	47	0.88	8.55	-0.18	3.32	0.75	3.07	0.10	0.06	0.35	0.00
Col51	48	0.59	8.55	-0.18	3.32	0.75	3.07	0.07	0.06	0.31	0.00
Col51	49	0.22	8.55	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col51	50	0.22	8.55	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col51	51	0.13	8.55	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col51	52	0.13	8.55	0.00	3.32	0.00	3.07	0.02	0.00	0.02	0.00
Col51	53	1.27	8.55	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col51	54	1.01	8.55	0.00	3.32	0.00	3.07	0.12	0.00	0.12	0.00
Col51	55	1.01	8.55	-0.18	3.32	0.75	3.07	0.12	0.06	0.36	0.00
Col51	56	1.01	8.55	0.00	3.32	0.00	3.07	0.12	0.00	0.12	0.00
Col52	1	1.62	8.65	0.00	3.32	0.00	3.07	0.19	0.00	0.19	0.00
Col52	2	0.22	8.65	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col52	3	1.16	8.65	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col52	4	1.16	8.65	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col52	5	1.27	8.65	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col52	6	0.92	8.65	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col52	7	0.92	8.65	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col52	8	-0.35	21.18	0.24	3.32	-0.98	3.07	0.02	0.07	0.30	0.00
Col52	9	-0.73	21.18	0.24	3.32	-0.98	3.07	0.03	0.07	0.28	0.00
Col52	10	-0.35	21.18	-0.24	3.32	0.98	3.07	0.02	0.07	0.30	0.00
Col52	11	-0.73	21.18	-0.24	3.32	0.98	3.07	0.03	0.07	0.28	0.00
Col52	12	-0.35	21.18	-0.24	3.32	0.98	3.07	0.02	0.07	0.30	0.00
Col52	13	-0.73	21.18	-0.24	3.32	0.98	3.07	0.03	0.07	0.28	0.00
Col52	14	-0.06	21.18	-0.24	3.32	0.98	3.07	0.00	0.07	0.31	0.00
Col52	15	-0.44	21.18	-0.24	3.32	0.98	3.07	0.02	0.07	0.30	0.00
Col52	16	1.09	8.65	-0.18	3.32	0.73	3.07	0.13	0.05	0.36	0.00
Col52	17	0.80	8.65	-0.18	3.32	0.73	3.07	0.09	0.05	0.33	0.00
Col52	18	0.87	8.65	-0.18	3.32	0.73	3.07	0.10	0.05	0.34	0.00
Col52	19	0.59	8.65	-0.18	3.32	0.73	3.07	0.07	0.05	0.31	0.00
Col52	20	0.74	8.65	-0.18	3.32	0.73	3.07	0.09	0.05	0.32	0.00
Col52	21	0.46	8.65	-0.18	3.32	0.73	3.07	0.05	0.05	0.29	0.00
Col52	22	0.52	8.65	-0.18	3.32	0.73	3.07	0.06	0.05	0.30	0.00
Col52	23	0.24	8.65	-0.18	3.32	0.73	3.07	0.03	0.05	0.27	0.00
Col52	24	0.74	8.65	-0.18	3.32	0.73	3.07	0.09	0.05	0.32	0.00
Col52	25	0.46	8.65	-0.18	3.32	0.73	3.07	0.05	0.05	0.29	0.00
Col52	26	0.52	8.65	-0.18	3.32	0.73	3.07	0.06	0.05	0.30	0.00
Col52	27	0.24	8.65	-0.18	3.32	0.73	3.07	0.03	0.05	0.27	0.00
Col52	28	-0.40	21.18	0.24	3.32	-0.98	3.07	0.02	0.07	0.30	0.00
Col52	29	-0.78	21.18	0.24	3.32	-0.98	3.07	0.04	0.07	0.28	0.00
Col52	30	-0.40	21.18	-0.24	3.32	0.98	3.07	0.02	0.07	0.30	0.00
Col52	31	-0.78	21.18	-0.24	3.32	0.98	3.07	0.04	0.07	0.28	0.00
Col52	32	-0.40	21.18	-0.24	3.32	0.98	3.07	0.02	0.07	0.30	0.00
Col52	33	-0.78	21.18	-0.24	3.32	0.98	3.07	0.04	0.07	0.28	0.00
Col52	34	-0.11	21.18	-0.24	3.32	0.98	3.07	0.01	0.07	0.31	0.00
Col52	35	-0.49	21.18	-0.24	3.32	0.98	3.07	0.02	0.07	0.29	0.00
Col52	36	0.22	8.65	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col52	37	0.22	8.65	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col52	38	1.27	8.65	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col52	39	1.27	8.65	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col52	40	0.93	8.65	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col52	41	0.93	8.65	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col52	42	0.93	8.65	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col52	43	0.93	8.65	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col52	44	0.12	8.65	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col52	45	0.12	8.65	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col52	46	1.34	8.65	0.00	3.32	0.00	3.07	0.15	0.00	0.15	0.00
Col52	47	0.88	8.65	-0.18	3.32	0.73	3.07	0.10	0.05	0.34	0.00
Col52	48	0.59	8.65	-0.18	3.32	0.73	3.07	0.07	0.05	0.31	0.00
Col52	49	0.22	8.65	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col52	50	0.22	8.65	0.00	3.32	0.00	3.07	0.03	0.00	0.03	0.00
Col52	51	0.13	8.65	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col52	52	0.13	8.65	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col52	53	1.16	8.65	0.00	3.32	0.00	3.07	0.13	0.00	0.13	0.00
Col52	54	0.93	8.65	0.00	3.32	0.00	3.07	0.11	0.00	0.11	0.00
Col52	55	0.93	8.65	-0.18	3.32	0.73	3.07	0.11	0.05	0.35	0.00

Col152 56 0.93 8.65 0.00 3.32 0.00 3.07 0.11 0.00 0.11 0.00

COLUMN REACTIONS:

Id	Load		In_Plane	Out_Plane
	Id	Vert(k )	Horz(k )	Horz(k )
Col142	1	1.62	0.00	0.00
Col142	2	0.22	0.00	0.00
Col142	3	1.16	0.00	0.00
Col142	4	1.16	0.00	0.00
Col142	5	1.27	0.00	0.00
Col142	6	0.92	0.00	0.00
Col142	7	0.92	0.00	0.00
Col142	8	-0.73	0.00	-0.24
Col142	9	-0.35	0.00	-0.24
Col142	10	-0.73	0.00	0.24
Col142	11	-0.35	0.00	0.24
Col142	12	-0.73	0.00	0.24
Col142	13	-0.35	0.00	0.24
Col142	14	-0.44	0.00	0.24
Col142	15	-0.06	0.00	0.24
Col142	16	0.80	0.00	0.18
Col142	17	1.09	0.00	0.18
Col142	18	0.59	0.00	0.18
Col142	19	0.87	0.00	0.18
Col142	20	0.46	0.00	0.18
Col142	21	0.74	0.00	0.18
Col142	22	0.24	0.00	0.18
Col142	23	0.52	0.00	0.18
Col142	24	0.46	0.00	0.18
Col142	25	0.74	0.00	0.18
Col142	26	0.24	0.00	0.18
Col142	27	0.52	0.00	0.18
Col142	28	-0.78	0.00	-0.24
Col142	29	-0.40	0.00	-0.24
Col142	30	-0.78	0.00	0.24
Col142	31	-0.40	0.00	0.24
Col142	32	-0.78	0.00	0.24
Col142	33	-0.40	0.00	0.24
Col142	34	-0.49	0.00	0.24
Col142	35	-0.11	0.00	0.24
Col142	36	0.22	0.00	0.00
Col142	37	0.22	0.00	0.00
Col142	38	1.27	0.00	0.00
Col142	39	1.27	0.00	0.00
Col142	40	0.93	0.00	0.00
Col142	41	0.93	0.00	0.00
Col142	42	0.93	0.00	0.00
Col142	43	0.93	0.00	0.00
Col142	44	0.12	0.00	0.00
Col142	45	0.12	0.00	0.00
Col142	46	1.34	0.00	0.00
Col142	47	0.59	0.00	0.18
Col142	48	0.88	0.00	0.18
Col142	49	0.22	0.00	0.00
Col142	50	0.22	0.00	0.00
Col142	51	0.13	0.00	0.00
Col142	52	0.13	0.00	0.00
Col142	53	1.16	0.00	0.00
Col142	54	0.93	0.00	0.00
Col142	55	0.93	0.00	0.18
Col142	56	0.93	0.00	0.00
Col143	1	1.62	0.00	0.00
Col143	2	0.22	0.00	0.00

Col43	3	1.16	0.00	0.00
Col43	4	1.16	0.00	0.00
Col43	5	1.27	0.00	0.00
Col43	6	0.92	0.00	0.00
Col43	7	0.92	0.00	0.00
Col43	8	-0.73	0.00	-0.25
Col43	9	-0.35	0.00	-0.25
Col43	10	-0.73	0.00	0.25
Col43	11	-0.35	0.00	0.25
Col43	12	-0.73	0.00	0.25
Col43	13	-0.35	0.00	0.25
Col43	14	-0.44	0.00	0.25
Col43	15	-0.06	0.00	0.25
Col43	16	0.80	0.00	0.18
Col43	17	1.09	0.00	0.18
Col43	18	0.59	0.00	0.18
Col43	19	0.87	0.00	0.18
Col43	20	0.46	0.00	0.18
Col43	21	0.74	0.00	0.18
Col43	22	0.24	0.00	0.18
Col43	23	0.52	0.00	0.18
Col43	24	0.46	0.00	0.18
Col43	25	0.74	0.00	0.18
Col43	26	0.24	0.00	0.18
Col43	27	0.52	0.00	0.18
Col43	28	-0.78	0.00	-0.25
Col43	29	-0.40	0.00	-0.25
Col43	30	-0.78	0.00	0.25
Col43	31	-0.40	0.00	0.25
Col43	32	-0.78	0.00	0.25
Col43	33	-0.40	0.00	0.25
Col43	34	-0.49	0.00	0.25
Col43	35	-0.11	0.00	0.25
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	0.93	0.00	0.00
Col43	41	0.93	0.00	0.00
Col43	42	0.93	0.00	0.00
Col43	43	0.93	0.00	0.00
Col43	44	0.12	0.00	0.00
Col43	45	0.12	0.00	0.00
Col43	46	1.34	0.00	0.00
Col43	47	0.59	0.00	0.18
Col43	48	0.88	0.00	0.18
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	1.27	0.00	0.00
Col43	54	1.01	0.00	0.00
Col43	55	1.01	0.00	0.18
Col43	56	1.01	0.00	0.00
Col44	1	1.62	0.00	0.00
Col44	2	0.22	0.00	0.00
Col44	3	1.16	0.00	0.00
Col44	4	1.16	0.00	0.00
Col44	5	1.27	0.00	0.00
Col44	6	0.92	0.00	0.00
Col44	7	0.92	0.00	0.00
Col44	8	-0.73	0.00	-0.25
Col44	9	-0.35	0.00	-0.25
Col44	10	-0.73	0.00	0.25
Col44	11	-0.35	0.00	0.25

Col44	12	-0.73	0.00	0.25
Col44	13	-0.35	0.00	0.25
Col44	14	-0.44	0.00	0.25
Col44	15	-0.06	0.00	0.25
Col44	16	0.80	0.00	0.19
Col44	17	1.09	0.00	0.19
Col44	18	0.59	0.00	0.19
Col44	19	0.87	0.00	0.19
Col44	20	0.46	0.00	0.19
Col44	21	0.74	0.00	0.19
Col44	22	0.24	0.00	0.19
Col44	23	0.52	0.00	0.19
Col44	24	0.46	0.00	0.19
Col44	25	0.74	0.00	0.19
Col44	26	0.24	0.00	0.19
Col44	27	0.52	0.00	0.19
Col44	28	-0.78	0.00	-0.25
Col44	29	-0.40	0.00	-0.25
Col44	30	-0.78	0.00	0.25
Col44	31	-0.40	0.00	0.25
Col44	32	-0.78	0.00	0.25
Col44	33	-0.40	0.00	0.25
Col44	34	-0.49	0.00	0.25
Col44	35	-0.11	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	1.27	0.00	0.00
Col44	40	0.93	0.00	0.00
Col44	41	0.93	0.00	0.00
Col44	42	0.93	0.00	0.00
Col44	43	0.93	0.00	0.00
Col44	44	0.13	0.00	0.00
Col44	45	0.13	0.00	0.00
Col44	46	1.34	0.00	0.00
Col44	47	0.59	0.00	0.19
Col44	48	0.88	0.00	0.19
Col44	49	0.22	0.00	0.00
Col44	50	0.22	0.00	0.00
Col44	51	0.13	0.00	0.00
Col44	52	0.13	0.00	0.00
Col44	53	1.50	0.00	0.00
Col44	54	1.18	0.00	0.00
Col44	55	1.18	0.00	0.19
Col44	56	1.18	0.00	0.00
Col45	1	1.62	0.00	0.00
Col45	2	0.22	0.00	0.00
Col45	3	1.16	0.00	0.00
Col45	4	1.16	0.00	0.00
Col45	5	1.27	0.00	0.00
Col45	6	0.92	0.00	0.00
Col45	7	0.92	0.00	0.00
Col45	8	-0.73	0.00	-0.25
Col45	9	-0.35	0.00	-0.25
Col45	10	-0.73	0.00	0.25
Col45	11	-0.35	0.00	0.25
Col45	12	-0.73	0.00	0.25
Col45	13	-0.35	0.00	0.25
Col45	14	-0.44	0.00	0.25
Col45	15	-0.06	0.00	0.25
Col45	16	0.80	0.00	0.19
Col45	17	1.09	0.00	0.19
Col45	18	0.59	0.00	0.19
Col45	19	0.87	0.00	0.19
Col45	20	0.46	0.00	0.19



Col45	21	0.74	0.00	0.19
Col45	22	0.24	0.00	0.19
Col45	23	0.52	0.00	0.19
Col45	24	0.46	0.00	0.19
Col45	25	0.74	0.00	0.19
Col45	26	0.24	0.00	0.19
Col45	27	0.52	0.00	0.19
Col45	28	-0.78	0.00	-0.25
Col45	29	-0.40	0.00	-0.25
Col45	30	-0.78	0.00	0.25
Col45	31	-0.40	0.00	0.25
Col45	32	-0.78	0.00	0.25
Col45	33	-0.40	0.00	0.25
Col45	34	-0.49	0.00	0.25
Col45	35	-0.11	0.00	0.25
Col45	36	0.23	0.00	0.00
Col45	37	0.23	0.00	0.00
Col45	38	1.27	0.00	0.00
Col45	39	1.27	0.00	0.00
Col45	40	0.93	0.00	0.00
Col45	41	0.93	0.00	0.00
Col45	42	0.93	0.00	0.00
Col45	43	0.93	0.00	0.00
Col45	44	0.13	0.00	0.00
Col45	45	0.13	0.00	0.00
Col45	46	1.34	0.00	0.00
Col45	47	0.60	0.00	0.19
Col45	48	0.88	0.00	0.19
Col45	49	0.22	0.00	0.00
Col45	50	0.22	0.00	0.00
Col45	51	0.13	0.00	0.00
Col45	52	0.13	0.00	0.00
Col45	53	1.51	0.00	0.00
Col45	54	1.19	0.00	0.00
Col45	55	1.19	0.00	0.19
Col45	56	1.19	0.00	0.00
Col46	1	1.62	0.00	0.00
Col46	2	0.22	0.00	0.00
Col46	3	1.16	0.00	0.00
Col46	4	1.16	0.00	0.00
Col46	5	1.27	0.00	0.00
Col46	6	0.92	0.00	0.00
Col46	7	0.92	0.00	0.00
Col46	8	-0.73	0.00	-0.25
Col46	9	-0.35	0.00	-0.25
Col46	10	-0.73	0.00	0.25
Col46	11	-0.35	0.00	0.25
Col46	12	-0.73	0.00	0.25
Col46	13	-0.35	0.00	0.25
Col46	14	-0.44	0.00	0.25
Col46	15	-0.06	0.00	0.25
Col46	16	0.80	0.00	0.19
Col46	17	1.09	0.00	0.19
Col46	18	0.59	0.00	0.19
Col46	19	0.87	0.00	0.19
Col46	20	0.46	0.00	0.19
Col46	21	0.74	0.00	0.19
Col46	22	0.24	0.00	0.19
Col46	23	0.53	0.00	0.19
Col46	24	0.46	0.00	0.19
Col46	25	0.74	0.00	0.19
Col46	26	0.24	0.00	0.19
Col46	27	0.53	0.00	0.19
Col46	28	-0.78	0.00	-0.25
Col46	29	-0.40	0.00	-0.25

Col46	30	-0.78	0.00	0.25
Col46	31	-0.40	0.00	0.25
Col46	32	-0.78	0.00	0.25
Col46	33	-0.40	0.00	0.25
Col46	34	-0.49	0.00	0.25
Col46	35	-0.11	0.00	0.25
Col46	36	0.23	0.00	0.00
Col46	37	0.23	0.00	0.00
Col46	38	1.28	0.00	0.00
Col46	39	1.27	0.00	0.00
Col46	40	0.93	0.00	0.00
Col46	41	0.93	0.00	0.00
Col46	42	0.93	0.00	0.00
Col46	43	0.93	0.00	0.00
Col46	44	0.13	0.00	0.00
Col46	45	0.13	0.00	0.00
Col46	46	1.34	0.00	0.00
Col46	47	0.60	0.00	0.19
Col46	48	0.88	0.00	0.19
Col46	49	0.22	0.00	0.00
Col46	50	0.22	0.00	0.00
Col46	51	0.13	0.00	0.00
Col46	52	0.13	0.00	0.00
Col46	53	1.51	0.00	0.00
Col46	54	1.19	0.00	0.00
Col46	55	1.19	0.00	0.19
Col46	56	1.19	0.00	0.00
Col47	1	1.62	0.00	0.00
Col47	2	0.22	0.00	0.00
Col47	3	1.16	0.00	0.00
Col47	4	1.16	0.00	0.00
Col47	5	1.27	0.00	0.00
Col47	6	0.93	0.00	0.00
Col47	7	0.93	0.00	0.00
Col47	8	-0.53	0.00	-0.26
Col47	9	-0.53	0.00	-0.26
Col47	10	-0.53	0.00	0.26
Col47	11	-0.53	0.00	0.26
Col47	12	-0.53	0.00	0.26
Col47	13	-0.53	0.00	0.26
Col47	14	-0.24	0.00	0.26
Col47	15	-0.24	0.00	0.26
Col47	16	0.95	0.00	0.19
Col47	17	0.95	0.00	0.19
Col47	18	0.74	0.00	0.19
Col47	19	0.74	0.00	0.19
Col47	20	0.60	0.00	0.19
Col47	21	0.60	0.00	0.19
Col47	22	0.39	0.00	0.19
Col47	23	0.39	0.00	0.19
Col47	24	0.60	0.00	0.19
Col47	25	0.60	0.00	0.19
Col47	26	0.39	0.00	0.19
Col47	27	0.39	0.00	0.19
Col47	28	-0.58	0.00	-0.26
Col47	29	-0.58	0.00	-0.26
Col47	30	-0.58	0.00	0.26
Col47	31	-0.58	0.00	0.26
Col47	32	-0.58	0.00	0.26
Col47	33	-0.58	0.00	0.26
Col47	34	-0.30	0.00	0.26
Col47	35	-0.30	0.00	0.26
Col47	36	0.23	0.00	0.00
Col47	37	0.23	0.00	0.00
Col47	38	1.27	0.00	0.00

Col147	39	1.27	0.00	0.00
Col147	40	0.93	0.00	0.00
Col147	41	0.93	0.00	0.00
Col147	42	0.93	0.00	0.00
Col147	43	0.93	0.00	0.00
Col147	44	0.13	0.00	0.00
Col147	45	0.13	0.00	0.00
Col147	46	1.32	0.00	0.00
Col147	47	0.72	0.00	0.19
Col147	48	0.72	0.00	0.19
Col147	49	0.22	0.00	0.00
Col147	50	0.22	0.00	0.00
Col147	51	0.13	0.00	0.00
Col147	52	0.13	0.00	0.00
Col147	53	1.49	0.00	0.00
Col147	54	1.17	0.00	0.00
Col147	55	1.17	0.00	0.19
Col147	56	1.17	0.00	0.00
Col148	1	1.62	0.00	0.00
Col148	2	0.22	0.00	0.00
Col148	3	1.16	0.00	0.00
Col148	4	1.16	0.00	0.00
Col148	5	1.27	0.00	0.00
Col148	6	0.92	0.00	0.00
Col148	7	0.92	0.00	0.00
Col148	8	-0.35	0.00	-0.25
Col148	9	-0.73	0.00	-0.25
Col148	10	-0.35	0.00	0.25
Col148	11	-0.73	0.00	0.25
Col148	12	-0.35	0.00	0.25
Col148	13	-0.73	0.00	0.25
Col148	14	-0.06	0.00	0.25
Col148	15	-0.44	0.00	0.25
Col148	16	1.09	0.00	0.19
Col148	17	0.80	0.00	0.19
Col148	18	0.87	0.00	0.19
Col148	19	0.59	0.00	0.19
Col148	20	0.74	0.00	0.19
Col148	21	0.46	0.00	0.19
Col148	22	0.53	0.00	0.19
Col148	23	0.24	0.00	0.19
Col148	24	0.74	0.00	0.19
Col148	25	0.46	0.00	0.19
Col148	26	0.53	0.00	0.19
Col148	27	0.24	0.00	0.19
Col148	28	-0.40	0.00	-0.25
Col148	29	-0.78	0.00	-0.25
Col148	30	-0.40	0.00	0.25
Col148	31	-0.78	0.00	0.25
Col148	32	-0.40	0.00	0.25
Col148	33	-0.78	0.00	0.25
Col148	34	-0.11	0.00	0.25
Col148	35	-0.49	0.00	0.25
Col148	36	0.23	0.00	0.00
Col148	37	0.23	0.00	0.00
Col148	38	1.27	0.00	0.00
Col148	39	1.28	0.00	0.00
Col148	40	0.93	0.00	0.00
Col148	41	0.93	0.00	0.00
Col148	42	0.93	0.00	0.00
Col148	43	0.93	0.00	0.00
Col148	44	0.13	0.00	0.00
Col148	45	0.13	0.00	0.00
Col148	46	1.34	0.00	0.00
Col148	47	0.88	0.00	0.19

Col48	48	0.60	0.00	0.19
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	1.51	0.00	0.00
Col48	54	1.19	0.00	0.00
Col48	55	1.19	0.00	0.19
Col48	56	1.19	0.00	0.00
Col49	1	1.62	0.00	0.00
Col49	2	0.22	0.00	0.00
Col49	3	1.16	0.00	0.00
Col49	4	1.16	0.00	0.00
Col49	5	1.27	0.00	0.00
Col49	6	0.92	0.00	0.00
Col49	7	0.92	0.00	0.00
Col49	8	-0.35	0.00	-0.25
Col49	9	-0.73	0.00	-0.25
Col49	10	-0.35	0.00	0.25
Col49	11	-0.73	0.00	0.25
Col49	12	-0.35	0.00	0.25
Col49	13	-0.73	0.00	0.25
Col49	14	-0.06	0.00	0.25
Col49	15	-0.44	0.00	0.25
Col49	16	1.09	0.00	0.19
Col49	17	0.80	0.00	0.19
Col49	18	0.87	0.00	0.19
Col49	19	0.59	0.00	0.19
Col49	20	0.74	0.00	0.19
Col49	21	0.46	0.00	0.19
Col49	22	0.52	0.00	0.19
Col49	23	0.24	0.00	0.19
Col49	24	0.74	0.00	0.19
Col49	25	0.46	0.00	0.19
Col49	26	0.52	0.00	0.19
Col49	27	0.24	0.00	0.19
Col49	28	-0.40	0.00	-0.25
Col49	29	-0.78	0.00	-0.25
Col49	30	-0.40	0.00	0.25
Col49	31	-0.78	0.00	0.25
Col49	32	-0.40	0.00	0.25
Col49	33	-0.78	0.00	0.25
Col49	34	-0.11	0.00	0.25
Col49	35	-0.49	0.00	0.25
Col49	36	0.23	0.00	0.00
Col49	37	0.23	0.00	0.00
Col49	38	1.27	0.00	0.00
Col49	39	1.27	0.00	0.00
Col49	40	0.93	0.00	0.00
Col49	41	0.93	0.00	0.00
Col49	42	0.93	0.00	0.00
Col49	43	0.93	0.00	0.00
Col49	44	0.13	0.00	0.00
Col49	45	0.13	0.00	0.00
Col49	46	1.34	0.00	0.00
Col49	47	0.88	0.00	0.19
Col49	48	0.60	0.00	0.19
Col49	49	0.22	0.00	0.00
Col49	50	0.22	0.00	0.00
Col49	51	0.13	0.00	0.00
Col49	52	0.13	0.00	0.00
Col49	53	1.51	0.00	0.00
Col49	54	1.19	0.00	0.00
Col49	55	1.19	0.00	0.19
Col49	56	1.19	0.00	0.00

Col150	1	1.62	0.00	0.00
Col150	2	0.22	0.00	0.00
Col150	3	1.16	0.00	0.00
Col150	4	1.16	0.00	0.00
Col150	5	1.27	0.00	0.00
Col150	6	0.92	0.00	0.00
Col150	7	0.92	0.00	0.00
Col150	8	-0.35	0.00	-0.25
Col150	9	-0.73	0.00	-0.25
Col150	10	-0.35	0.00	0.25
Col150	11	-0.73	0.00	0.25
Col150	12	-0.35	0.00	0.25
Col150	13	-0.73	0.00	0.25
Col150	14	-0.06	0.00	0.25
Col150	15	-0.44	0.00	0.25
Col150	16	1.09	0.00	0.19
Col150	17	0.80	0.00	0.19
Col150	18	0.87	0.00	0.19
Col150	19	0.59	0.00	0.19
Col150	20	0.74	0.00	0.19
Col150	21	0.46	0.00	0.19
Col150	22	0.52	0.00	0.19
Col150	23	0.24	0.00	0.19
Col150	24	0.74	0.00	0.19
Col150	25	0.46	0.00	0.19
Col150	26	0.52	0.00	0.19
Col150	27	0.24	0.00	0.19
Col150	28	-0.40	0.00	-0.25
Col150	29	-0.78	0.00	-0.25
Col150	30	-0.40	0.00	0.25
Col150	31	-0.78	0.00	0.25
Col150	32	-0.40	0.00	0.25
Col150	33	-0.78	0.00	0.25
Col150	34	-0.11	0.00	0.25
Col150	35	-0.49	0.00	0.25
Col150	36	0.23	0.00	0.00
Col150	37	0.23	0.00	0.00
Col150	38	1.27	0.00	0.00
Col150	39	1.27	0.00	0.00
Col150	40	0.93	0.00	0.00
Col150	41	0.93	0.00	0.00
Col150	42	0.93	0.00	0.00
Col150	43	0.93	0.00	0.00
Col150	44	0.13	0.00	0.00
Col150	45	0.13	0.00	0.00
Col150	46	1.34	0.00	0.00
Col150	47	0.88	0.00	0.19
Col150	48	0.59	0.00	0.19
Col150	49	0.22	0.00	0.00
Col150	50	0.22	0.00	0.00
Col150	51	0.13	0.00	0.00
Col150	52	0.13	0.00	0.00
Col150	53	1.50	0.00	0.00
Col150	54	1.18	0.00	0.00
Col150	55	1.18	0.00	0.19
Col150	56	1.18	0.00	0.00
Col151	1	1.62	0.00	0.00
Col151	2	0.22	0.00	0.00
Col151	3	1.16	0.00	0.00
Col151	4	1.16	0.00	0.00
Col151	5	1.27	0.00	0.00
Col151	6	0.92	0.00	0.00
Col151	7	0.92	0.00	0.00
Col151	8	-0.35	0.00	-0.25
Col151	9	-0.73	0.00	-0.25

Col51	10	-0.35	0.00	0.25
Col51	11	-0.73	0.00	0.25
Col51	12	-0.35	0.00	0.25
Col51	13	-0.73	0.00	0.25
Col51	14	-0.06	0.00	0.25
Col51	15	-0.44	0.00	0.25
Col51	16	1.09	0.00	0.18
Col51	17	0.80	0.00	0.18
Col51	18	0.87	0.00	0.18
Col51	19	0.59	0.00	0.18
Col51	20	0.74	0.00	0.18
Col51	21	0.46	0.00	0.18
Col51	22	0.52	0.00	0.18
Col51	23	0.24	0.00	0.18
Col51	24	0.74	0.00	0.18
Col51	25	0.46	0.00	0.18
Col51	26	0.52	0.00	0.18
Col51	27	0.24	0.00	0.18
Col51	28	-0.40	0.00	-0.25
Col51	29	-0.78	0.00	-0.25
Col51	30	-0.40	0.00	0.25
Col51	31	-0.78	0.00	0.25
Col51	32	-0.40	0.00	0.25
Col51	33	-0.78	0.00	0.25
Col51	34	-0.11	0.00	0.25
Col51	35	-0.49	0.00	0.25
Col51	36	0.23	0.00	0.00
Col51	37	0.23	0.00	0.00
Col51	38	1.27	0.00	0.00
Col51	39	1.27	0.00	0.00
Col51	40	0.93	0.00	0.00
Col51	41	0.93	0.00	0.00
Col51	42	0.93	0.00	0.00
Col51	43	0.93	0.00	0.00
Col51	44	0.12	0.00	0.00
Col51	45	0.12	0.00	0.00
Col51	46	1.34	0.00	0.00
Col51	47	0.88	0.00	0.18
Col51	48	0.59	0.00	0.18
Col51	49	0.22	0.00	0.00
Col51	50	0.22	0.00	0.00
Col51	51	0.13	0.00	0.00
Col51	52	0.13	0.00	0.00
Col51	53	1.27	0.00	0.00
Col51	54	1.01	0.00	0.00
Col51	55	1.01	0.00	0.18
Col51	56	1.01	0.00	0.00
Col52	1	1.62	0.00	0.00
Col52	2	0.22	0.00	0.00
Col52	3	1.16	0.00	0.00
Col52	4	1.16	0.00	0.00
Col52	5	1.27	0.00	0.00
Col52	6	0.92	0.00	0.00
Col52	7	0.92	0.00	0.00
Col52	8	-0.35	0.00	-0.24
Col52	9	-0.73	0.00	-0.24
Col52	10	-0.35	0.00	0.24
Col52	11	-0.73	0.00	0.24
Col52	12	-0.35	0.00	0.24
Col52	13	-0.73	0.00	0.24
Col52	14	-0.06	0.00	0.24
Col52	15	-0.44	0.00	0.24
Col52	16	1.09	0.00	0.18
Col52	17	0.80	0.00	0.18
Col52	18	0.87	0.00	0.18

Col52	19	0.59	0.00	0.18
Col52	20	0.74	0.00	0.18
Col52	21	0.46	0.00	0.18
Col52	22	0.52	0.00	0.18
Col52	23	0.24	0.00	0.18
Col52	24	0.74	0.00	0.18
Col52	25	0.46	0.00	0.18
Col52	26	0.52	0.00	0.18
Col52	27	0.24	0.00	0.18
Col52	28	-0.40	0.00	-0.24
Col52	29	-0.78	0.00	-0.24
Col52	30	-0.40	0.00	0.24
Col52	31	-0.78	0.00	0.24
Col52	32	-0.40	0.00	0.24
Col52	33	-0.78	0.00	0.24
Col52	34	-0.11	0.00	0.24
Col52	35	-0.49	0.00	0.24
Col52	36	0.22	0.00	0.00
Col52	37	0.22	0.00	0.00
Col52	38	1.27	0.00	0.00
Col52	39	1.27	0.00	0.00
Col52	40	0.93	0.00	0.00
Col52	41	0.93	0.00	0.00
Col52	42	0.93	0.00	0.00
Col52	43	0.93	0.00	0.00
Col52	44	0.12	0.00	0.00
Col52	45	0.12	0.00	0.00
Col52	46	1.34	0.00	0.00
Col52	47	0.88	0.00	0.18
Col52	48	0.59	0.00	0.18
Col52	49	0.22	0.00	0.00
Col52	50	0.22	0.00	0.00
Col52	51	0.13	0.00	0.00
Col52	52	0.13	0.00	0.00
Col52	53	1.16	0.00	0.00
Col52	54	0.93	0.00	0.00
Col52	55	0.93	0.00	0.18
Col52	56	0.93	0.00	0.00

COLUMN DEFLECTIONS:

Id	Load	Deflection(in)	
	Id	Calc	Limit
Col42	1	0.00	1.08
Col42	2	0.00	1.08
Col42	3	0.00	1.08
Col42	4	0.00	1.08
Col42	5	0.00	1.08
Col42	6	0.00	1.08
Col42	7	0.00	1.08
Col42	8	-0.41	1.08
Col42	9	-0.41	1.08
Col42	10	0.41	1.08
Col42	11	0.41	1.08
Col42	12	0.41	1.08
Col42	13	0.41	1.08
Col42	14	0.41	1.08
Col42	15	0.41	1.08
Col42	16	0.31	1.08
Col42	17	0.31	1.08
Col42	18	0.31	1.08
Col42	19	0.31	1.08
Col42	20	0.31	1.08
Col42	21	0.31	1.08

Col42	22	0.31	1.08
Col42	23	0.31	1.08
Col42	24	0.31	1.08
Col42	25	0.31	1.08
Col42	26	0.31	1.08
Col42	27	0.31	1.08
Col42	28	-0.41	1.08
Col42	29	-0.41	1.08
Col42	30	0.41	1.08
Col42	31	0.41	1.08
Col42	32	0.41	1.08
Col42	33	0.41	1.08
Col42	34	0.41	1.08
Col42	35	0.41	1.08
Col42	36	0.00	1.08
Col42	37	0.00	1.08
Col42	38	0.00	1.08
Col42	39	0.00	1.08
Col42	40	0.00	1.08
Col42	41	0.00	1.08
Col42	42	0.00	1.08
Col42	43	0.00	1.08
Col42	44	0.00	1.08
Col42	45	0.00	1.08
Col42	46	0.00	1.08
Col42	47	0.19	1.08
Col42	48	0.19	1.08
Col42	49	0.00	1.08
Col42	50	0.00	1.08
Col42	51	0.31	1.08
Col42	52	0.00	1.08
Col43	1	0.00	1.09
Col43	2	0.00	1.09
Col43	3	0.00	1.09
Col43	4	0.00	1.09
Col43	5	0.00	1.09
Col43	6	0.00	1.09
Col43	7	0.00	1.09
Col43	8	-0.43	1.09
Col43	9	-0.43	1.09
Col43	10	0.43	1.09
Col43	11	0.43	1.09
Col43	12	0.43	1.09
Col43	13	0.43	1.09
Col43	14	0.43	1.09
Col43	15	0.43	1.09
Col43	16	0.33	1.09
Col43	17	0.33	1.09
Col43	18	0.33	1.09
Col43	19	0.33	1.09
Col43	20	0.33	1.09
Col43	21	0.33	1.09
Col43	22	0.33	1.09
Col43	23	0.33	1.09
Col43	24	0.33	1.09
Col43	25	0.33	1.09
Col43	26	0.33	1.09
Col43	27	0.33	1.09
Col43	28	-0.43	1.09
Col43	29	-0.43	1.09
Col43	30	0.43	1.09
Col43	31	0.43	1.09
Col43	32	0.43	1.09
Col43	33	0.43	1.09
Col43	34	0.43	1.09



Col43	35	0.43	1.09
Col43	36	0.00	1.09
Col43	37	0.00	1.09
Col43	38	0.00	1.09
Col43	39	0.00	1.09
Col43	40	0.00	1.09
Col43	41	0.00	1.09
Col43	42	0.00	1.09
Col43	43	0.00	1.09
Col43	44	0.00	1.09
Col43	45	0.00	1.09
Col43	46	0.00	1.09
Col43	47	0.20	1.09
Col43	48	0.20	1.09
Col43	49	0.00	1.09
Col43	50	0.00	1.09
Col43	51	0.33	1.09
Col43	52	0.00	1.09
Col44	1	0.00	1.10
Col44	2	0.00	1.10
Col44	3	0.00	1.10
Col44	4	0.00	1.10
Col44	5	0.00	1.10
Col44	6	0.00	1.10
Col44	7	0.00	1.10
Col44	8	-0.46	1.10
Col44	9	-0.46	1.10
Col44	10	0.46	1.10
Col44	11	0.46	1.10
Col44	12	0.46	1.10
Col44	13	0.46	1.10
Col44	14	0.46	1.10
Col44	15	0.46	1.10
Col44	16	0.34	1.10
Col44	17	0.34	1.10
Col44	18	0.34	1.10
Col44	19	0.34	1.10
Col44	20	0.34	1.10
Col44	21	0.34	1.10
Col44	22	0.34	1.10
Col44	23	0.34	1.10
Col44	24	0.34	1.10
Col44	25	0.34	1.10
Col44	26	0.34	1.10
Col44	27	0.34	1.10
Col44	28	-0.46	1.10
Col44	29	-0.46	1.10
Col44	30	0.46	1.10
Col44	31	0.46	1.10
Col44	32	0.46	1.10
Col44	33	0.46	1.10
Col44	34	0.46	1.10
Col44	35	0.46	1.10
Col44	36	0.00	1.10
Col44	37	0.00	1.10
Col44	38	0.00	1.10
Col44	39	0.00	1.10
Col44	40	0.00	1.10
Col44	41	0.00	1.10
Col44	42	0.00	1.10
Col44	43	0.00	1.10
Col44	44	0.00	1.10
Col44	45	0.00	1.10
Col44	46	0.00	1.10
Col44	47	0.21	1.10

Col44	48	0.21	1.10
Col44	49	0.00	1.10
Col44	50	0.00	1.10
Col44	51	0.34	1.10
Col44	52	0.00	1.10
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	-0.48	1.12
Col45	9	-0.48	1.12
Col45	10	0.48	1.12
Col45	11	0.48	1.12
Col45	12	0.48	1.12
Col45	13	0.48	1.12
Col45	14	0.48	1.12
Col45	15	0.48	1.12
Col45	16	0.36	1.12
Col45	17	0.36	1.12
Col45	18	0.36	1.12
Col45	19	0.36	1.12
Col45	20	0.36	1.12
Col45	21	0.36	1.12
Col45	22	0.36	1.12
Col45	23	0.36	1.12
Col45	24	0.36	1.12
Col45	25	0.36	1.12
Col45	26	0.36	1.12
Col45	27	0.36	1.12
Col45	28	-0.48	1.12
Col45	29	-0.48	1.12
Col45	30	0.48	1.12
Col45	31	0.48	1.12
Col45	32	0.48	1.12
Col45	33	0.48	1.12
Col45	34	0.48	1.12
Col45	35	0.48	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	0.22	1.12
Col45	48	0.22	1.12
Col45	49	0.00	1.12
Col45	50	0.00	1.12
Col45	51	0.36	1.12
Col45	52	0.00	1.12
Col46	1	0.00	1.13
Col46	2	0.00	1.13
Col46	3	0.00	1.13
Col46	4	0.00	1.13
Col46	5	0.00	1.13
Col46	6	0.00	1.13
Col46	7	0.00	1.13
Col46	8	-0.50	1.13

Col46	9	-0.50	1.13
Col46	10	0.50	1.13
Col46	11	0.50	1.13
Col46	12	0.50	1.13
Col46	13	0.50	1.13
Col46	14	0.50	1.13
Col46	15	0.50	1.13
Col46	16	0.38	1.13
Col46	17	0.38	1.13
Col46	18	0.38	1.13
Col46	19	0.38	1.13
Col46	20	0.38	1.13
Col46	21	0.38	1.13
Col46	22	0.38	1.13
Col46	23	0.38	1.13
Col46	24	0.38	1.13
Col46	25	0.38	1.13
Col46	26	0.38	1.13
Col46	27	0.38	1.13
Col46	28	-0.50	1.13
Col46	29	-0.50	1.13
Col46	30	0.50	1.13
Col46	31	0.50	1.13
Col46	32	0.50	1.13
Col46	33	0.50	1.13
Col46	34	0.50	1.13
Col46	35	0.50	1.13
Col46	36	0.00	1.13
Col46	37	0.00	1.13
Col46	38	0.00	1.13
Col46	39	0.00	1.13
Col46	40	0.00	1.13
Col46	41	0.00	1.13
Col46	42	0.00	1.13
Col46	43	0.00	1.13
Col46	44	0.00	1.13
Col46	45	0.00	1.13
Col46	46	0.00	1.13
Col46	47	0.23	1.13
Col46	48	0.23	1.13
Col46	49	0.00	1.13
Col46	50	0.00	1.13
Col46	51	0.38	1.13
Col46	52	0.00	1.13
Col47	1	0.00	1.14
Col47	2	0.00	1.14
Col47	3	0.00	1.14
Col47	4	0.00	1.14
Col47	5	0.00	1.14
Col47	6	0.00	1.14
Col47	7	0.00	1.14
Col47	8	-0.52	1.14
Col47	9	-0.52	1.14
Col47	10	0.52	1.14
Col47	11	0.52	1.14
Col47	12	0.52	1.14
Col47	13	0.52	1.14
Col47	14	0.52	1.14
Col47	15	0.52	1.14
Col47	16	0.39	1.14
Col47	17	0.39	1.14
Col47	18	0.39	1.14
Col47	19	0.39	1.14
Col47	20	0.39	1.14
Col47	21	0.39	1.14

Col47	22	0.39	1.14
Col47	23	0.39	1.14
Col47	24	0.39	1.14
Col47	25	0.39	1.14
Col47	26	0.39	1.14
Col47	27	0.39	1.14
Col47	28	-0.52	1.14
Col47	29	-0.52	1.14
Col47	30	0.52	1.14
Col47	31	0.52	1.14
Col47	32	0.52	1.14
Col47	33	0.52	1.14
Col47	34	0.52	1.14
Col47	35	0.52	1.14
Col47	36	0.00	1.14
Col47	37	0.00	1.14
Col47	38	0.00	1.14
Col47	39	0.00	1.14
Col47	40	0.00	1.14
Col47	41	0.00	1.14
Col47	42	0.00	1.14
Col47	43	0.00	1.14
Col47	44	0.00	1.14
Col47	45	0.00	1.14
Col47	46	0.00	1.14
Col47	47	0.23	1.14
Col47	48	0.23	1.14
Col47	49	0.00	1.14
Col47	50	0.00	1.14
Col47	51	0.39	1.14
Col47	52	0.00	1.14
Col48	1	0.00	1.13
Col48	2	0.00	1.13
Col48	3	0.00	1.13
Col48	4	0.00	1.13
Col48	5	0.00	1.13
Col48	6	0.00	1.13
Col48	7	0.00	1.13
Col48	8	-0.50	1.13
Col48	9	-0.50	1.13
Col48	10	0.50	1.13
Col48	11	0.50	1.13
Col48	12	0.50	1.13
Col48	13	0.50	1.13
Col48	14	0.50	1.13
Col48	15	0.50	1.13
Col48	16	0.38	1.13
Col48	17	0.38	1.13
Col48	18	0.38	1.13
Col48	19	0.38	1.13
Col48	20	0.38	1.13
Col48	21	0.38	1.13
Col48	22	0.38	1.13
Col48	23	0.38	1.13
Col48	24	0.38	1.13
Col48	25	0.38	1.13
Col48	26	0.38	1.13
Col48	27	0.38	1.13
Col48	28	-0.50	1.13
Col48	29	-0.50	1.13
Col48	30	0.50	1.13
Col48	31	0.50	1.13
Col48	32	0.50	1.13
Col48	33	0.50	1.13
Col48	34	0.50	1.13

Col48	35	0.50	1.13
Col48	36	0.00	1.13
Col48	37	0.00	1.13
Col48	38	0.00	1.13
Col48	39	0.00	1.13
Col48	40	0.00	1.13
Col48	41	0.00	1.13
Col48	42	0.00	1.13
Col48	43	0.00	1.13
Col48	44	0.00	1.13
Col48	45	0.00	1.13
Col48	46	0.00	1.13
Col48	47	0.23	1.13
Col48	48	0.23	1.13
Col48	49	0.00	1.13
Col48	50	0.00	1.13
Col48	51	0.38	1.13
Col48	52	0.00	1.13
Col49	1	0.00	1.12
Col49	2	0.00	1.12
Col49	3	0.00	1.12
Col49	4	0.00	1.12
Col49	5	0.00	1.12
Col49	6	0.00	1.12
Col49	7	0.00	1.12
Col49	8	-0.48	1.12
Col49	9	-0.48	1.12
Col49	10	0.48	1.12
Col49	11	0.48	1.12
Col49	12	0.48	1.12
Col49	13	0.48	1.12
Col49	14	0.48	1.12
Col49	15	0.48	1.12
Col49	16	0.36	1.12
Col49	17	0.36	1.12
Col49	18	0.36	1.12
Col49	19	0.36	1.12
Col49	20	0.36	1.12
Col49	21	0.36	1.12
Col49	22	0.36	1.12
Col49	23	0.36	1.12
Col49	24	0.36	1.12
Col49	25	0.36	1.12
Col49	26	0.36	1.12
Col49	27	0.36	1.12
Col49	28	-0.48	1.12
Col49	29	-0.48	1.12
Col49	30	0.48	1.12
Col49	31	0.48	1.12
Col49	32	0.48	1.12
Col49	33	0.48	1.12
Col49	34	0.48	1.12
Col49	35	0.48	1.12
Col49	36	0.00	1.12
Col49	37	0.00	1.12
Col49	38	0.00	1.12
Col49	39	0.00	1.12
Col49	40	0.00	1.12
Col49	41	0.00	1.12
Col49	42	0.00	1.12
Col49	43	0.00	1.12
Col49	44	0.00	1.12
Col49	45	0.00	1.12
Col49	46	0.00	1.12
Col49	47	0.22	1.12

Col149	48	0.22	1.12
Col149	49	0.00	1.12
Col149	50	0.00	1.12
Col149	51	0.36	1.12
Col149	52	0.00	1.12
Col150	1	0.00	1.10
Col150	2	0.00	1.10
Col150	3	0.00	1.10
Col150	4	0.00	1.10
Col150	5	0.00	1.10
Col150	6	0.00	1.10
Col150	7	0.00	1.10
Col150	8	-0.46	1.10
Col150	9	-0.46	1.10
Col150	10	0.46	1.10
Col150	11	0.46	1.10
Col150	12	0.46	1.10
Col150	13	0.46	1.10
Col150	14	0.46	1.10
Col150	15	0.46	1.10
Col150	16	0.34	1.10
Col150	17	0.34	1.10
Col150	18	0.34	1.10
Col150	19	0.34	1.10
Col150	20	0.34	1.10
Col150	21	0.34	1.10
Col150	22	0.34	1.10
Col150	23	0.34	1.10
Col150	24	0.34	1.10
Col150	25	0.34	1.10
Col150	26	0.34	1.10
Col150	27	0.34	1.10
Col150	28	-0.46	1.10
Col150	29	-0.46	1.10
Col150	30	0.46	1.10
Col150	31	0.46	1.10
Col150	32	0.46	1.10
Col150	33	0.46	1.10
Col150	34	0.46	1.10
Col150	35	0.46	1.10
Col150	36	0.00	1.10
Col150	37	0.00	1.10
Col150	38	0.00	1.10
Col150	39	0.00	1.10
Col150	40	0.00	1.10
Col150	41	0.00	1.10
Col150	42	0.00	1.10
Col150	43	0.00	1.10
Col150	44	0.00	1.10
Col150	45	0.00	1.10
Col150	46	0.00	1.10
Col150	47	0.21	1.10
Col150	48	0.21	1.10
Col150	49	0.00	1.10
Col150	50	0.00	1.10
Col150	51	0.34	1.10
Col150	52	0.00	1.10
Col151	1	0.00	1.09
Col151	2	0.00	1.09
Col151	3	0.00	1.09
Col151	4	0.00	1.09
Col151	5	0.00	1.09
Col151	6	0.00	1.09
Col151	7	0.00	1.09
Col151	8	-0.43	1.09

Col51	9	-0.43	1.09
Col51	10	0.43	1.09
Col51	11	0.43	1.09
Col51	12	0.43	1.09
Col51	13	0.43	1.09
Col51	14	0.43	1.09
Col51	15	0.43	1.09
Col51	16	0.33	1.09
Col51	17	0.33	1.09
Col51	18	0.33	1.09
Col51	19	0.33	1.09
Col51	20	0.33	1.09
Col51	21	0.33	1.09
Col51	22	0.33	1.09
Col51	23	0.33	1.09
Col51	24	0.33	1.09
Col51	25	0.33	1.09
Col51	26	0.33	1.09
Col51	27	0.33	1.09
Col51	28	-0.43	1.09
Col51	29	-0.43	1.09
Col51	30	0.43	1.09
Col51	31	0.43	1.09
Col51	32	0.43	1.09
Col51	33	0.43	1.09
Col51	34	0.43	1.09
Col51	35	0.43	1.09
Col51	36	0.00	1.09
Col51	37	0.00	1.09
Col51	38	0.00	1.09
Col51	39	0.00	1.09
Col51	40	0.00	1.09
Col51	41	0.00	1.09
Col51	42	0.00	1.09
Col51	43	0.00	1.09
Col51	44	0.00	1.09
Col51	45	0.00	1.09
Col51	46	0.00	1.09
Col51	47	0.20	1.09
Col51	48	0.20	1.09
Col51	49	0.00	1.09
Col51	50	0.00	1.09
Col51	51	0.33	1.09
Col51	52	0.00	1.09
Col52	1	0.00	1.08
Col52	2	0.00	1.08
Col52	3	0.00	1.08
Col52	4	0.00	1.08
Col52	5	0.00	1.08
Col52	6	0.00	1.08
Col52	7	0.00	1.08
Col52	8	-0.41	1.08
Col52	9	-0.41	1.08
Col52	10	0.41	1.08
Col52	11	0.41	1.08
Col52	12	0.41	1.08
Col52	13	0.41	1.08
Col52	14	0.41	1.08
Col52	15	0.41	1.08
Col52	16	0.31	1.08
Col52	17	0.31	1.08
Col52	18	0.31	1.08
Col52	19	0.31	1.08
Col52	20	0.31	1.08
Col52	21	0.31	1.08

Col152	22	0.31	1.08
Col152	23	0.31	1.08
Col152	24	0.31	1.08
Col152	25	0.31	1.08
Col152	26	0.31	1.08
Col152	27	0.31	1.08
Col152	28	-0.41	1.08
Col152	29	-0.41	1.08
Col152	30	0.41	1.08
Col152	31	0.41	1.08
Col152	32	0.41	1.08
Col152	33	0.41	1.08
Col152	34	0.41	1.08
Col152	35	0.41	1.08
Col152	36	0.00	1.08
Col152	37	0.00	1.08
Col152	38	0.00	1.08
Col152	39	0.00	1.08
Col152	40	0.00	1.08
Col152	41	0.00	1.08
Col152	42	0.00	1.08
Col152	43	0.00	1.08
Col152	44	0.00	1.08
Col152	45	0.00	1.08
Col152	46	0.00	1.08
Col152	47	0.19	1.08
Col152	48	0.19	1.08
Col152	49	0.00	1.08
Col152	50	0.00	1.08
Col152	51	0.31	1.08
Col152	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
Col142	16.1	0.1	0.1	84	2	0.00	0.00
Col143	16.3	0.1	0.1	85	2	0.00	0.00
Col144	16.5	0.1	0.1	86	2	0.00	0.00
Col145	16.8	0.1	0.1	87	2	0.00	0.00
Col146	17.0	0.1	0.1	88	2	0.00	0.00
Col147	17.1	0.1	0.1	89	2	0.00	0.00
Col148	17.0	0.1	0.1	88	2	0.00	0.00
Col149	16.8	0.1	0.1	87	2	0.00	0.00
Col150	16.5	0.1	0.1	86	2	0.00	0.00
Col151	16.3	0.1	0.1	85	2	0.00	0.00
Col152	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	-0.04	1.00
			WS	0.0	107.0	11.7	70.2	-15.8	70.2	0.23	0.04	1.00
2	5.00	10.00	WP	15.8	107.0	-5.1	70.2	11.6	107.0	0.15	-0.01	1.00
			WS	-15.8	70.2	5.1	107.0	-11.6	70.2	0.23	0.01	1.00
3	10.00	15.00	WP	11.6	107.0	-6.6	70.2	12.7	107.0	0.12	-0.02	1.00
			WS	-11.6	70.2	6.6	107.0	-12.7	70.2	0.18	0.02	1.00
4	15.00	20.00	WP	12.7	107.0	-6.2	70.2	12.4	107.0	0.12	-0.01	1.00
			WS	-12.7	70.2	6.2	107.0	-12.4	70.2	0.18	0.01	1.00
5	20.00	25.00	WP	12.4	107.0	-6.3	70.2	12.5	107.0	0.12	-0.01	1.00
			WS	-12.4	70.2	6.3	107.0	-12.5	70.2	0.18	0.01	1.00
6	25.00	30.00	WP	12.5	107.0	-6.3	70.2	12.4	107.0	0.12	-0.01	1.00
			WS	-12.5	70.2	6.3	107.0	-12.4	70.2	0.18	0.01	1.00
7	30.00	35.00	WP	12.4	107.0	-6.2	70.2	12.7	107.0	0.12	-0.01	1.00
			WS	-12.4	70.2	6.2	107.0	-12.7	70.2	0.18	0.01	1.00
8	35.00	40.00	WP	12.7	107.0	-6.6	70.2	11.6	107.0	0.12	-0.02	1.00
			WS	-12.7	70.2	6.6	107.0	-11.6	70.2	0.18	0.02	1.00
9	40.00	45.00	WP	11.6	107.0	-5.1	70.2	15.8	107.0	0.15	-0.01	1.00
			WS	-11.6	70.2	5.1	107.0	-15.8	70.2	0.23	0.01	1.00
10	45.00	50.00	WP	15.8	107.0	-11.7	70.2	0.0	107.0	0.17	-0.04	1.00
			WS	-15.8	70.2	11.7	107.0	0.0	107.0	0.23	0.04	1.00

WP - Wind\_Pressure

WS - Wind\_Suction

WALL LAYOUT:

Wall Id	Orn	LeftEW Offset	BackSW Offset	Wall Length	Load Width
7	L	0.00	30.00	13.75	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	4.6	6X2C16	6.00	16ga	2.00	16ga	17.1	37.5	8 0.42	8	0.42	Deflect
Col156	9.2	6X2C16	6.00	16ga	2.00	16ga	17.1	37.5	8 0.42	8	0.42	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	0.56	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	0.41	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col155	4	0.41	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col155	5	0.45	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col155	6	0.33	8.15	0.00	3.32	0.00	3.07	0.04	0.00	0.04	0.00
Col155	7	0.33	8.15	0.00	3.32	0.00	3.07	0.04	0.00	0.04	0.00
Col155	8	-0.21	21.18	0.24	3.32	-1.01	3.07	0.01	0.07	0.32	0.00
Col155	9	-0.08	21.18	0.24	3.32	-1.01	3.07	0.00	0.07	0.32	0.00
Col155	10	-0.21	21.18	-0.24	3.32	1.01	3.07	0.01	0.07	0.32	0.00
Col155	11	-0.08	21.18	-0.24	3.32	1.01	3.07	0.00	0.07	0.32	0.00
Col155	12	-0.21	21.18	-0.24	3.32	1.01	3.07	0.01	0.07	0.32	0.00
Col155	13	-0.08	21.18	-0.24	3.32	1.01	3.07	0.00	0.07	0.32	0.00
Col155	14	-0.11	21.18	-0.24	3.32	1.01	3.07	0.01	0.07	0.32	0.00
Col155	15	0.01	8.15	-0.24	3.32	1.01	3.07	0.00	0.07	0.33	0.00
Col155	16	0.29	8.15	-0.18	3.32	0.76	3.07	0.04	0.05	0.28	0.00
Col155	17	0.39	8.15	-0.18	3.32	0.76	3.07	0.05	0.05	0.29	0.00
Col155	18	0.22	8.15	-0.18	3.32	0.76	3.07	0.03	0.05	0.27	0.00
Col155	19	0.32	8.15	-0.18	3.32	0.76	3.07	0.04	0.05	0.29	0.00
Col155	20	0.18	8.15	-0.18	3.32	0.76	3.07	0.02	0.05	0.27	0.00
Col155	21	0.27	8.15	-0.18	3.32	0.76	3.07	0.03	0.05	0.28	0.00
Col155	22	0.11	8.15	-0.18	3.32	0.76	3.07	0.01	0.05	0.26	0.00
Col155	23	0.20	8.15	-0.18	3.32	0.76	3.07	0.02	0.05	0.27	0.00
Col155	24	0.18	8.15	-0.18	3.32	0.76	3.07	0.02	0.05	0.27	0.00
Col155	25	0.27	8.15	-0.18	3.32	0.76	3.07	0.03	0.05	0.28	0.00
Col155	26	0.11	8.15	-0.18	3.32	0.76	3.07	0.01	0.05	0.26	0.00
Col155	27	0.20	8.15	-0.18	3.32	0.76	3.07	0.02	0.05	0.27	0.00
Col155	28	-0.22	21.18	0.24	3.32	-1.01	3.07	0.01	0.07	0.32	0.00
Col155	29	-0.10	21.18	0.24	3.32	-1.01	3.07	0.00	0.07	0.32	0.00
Col155	30	-0.22	21.18	-0.24	3.32	1.01	3.07	0.01	0.07	0.32	0.00
Col155	31	-0.10	21.18	-0.24	3.32	1.01	3.07	0.00	0.07	0.32	0.00
Col155	32	-0.22	21.18	-0.24	3.32	1.01	3.07	0.01	0.07	0.32	0.00
Col155	33	-0.10	21.18	-0.24	3.32	1.01	3.07	0.00	0.07	0.32	0.00
Col155	34	-0.13	21.18	-0.24	3.32	1.01	3.07	0.01	0.07	0.32	0.00
Col155	35	-0.01	21.18	-0.24	3.32	1.01	3.07	0.00	0.07	0.33	0.00
Col155	36	0.10	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col155	37	0.10	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col155	38	0.45	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col155	39	0.45	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00

Col155	40	0.33	8.15	0.00	3.32	0.00	3.07	0.04	0.00	0.04	0.00
Col155	41	0.33	8.15	0.00	3.32	0.00	3.07	0.04	0.00	0.04	0.00
Col155	42	0.33	8.15	0.00	3.32	0.00	3.07	0.04	0.00	0.04	0.00
Col155	43	0.33	8.15	0.00	3.32	0.00	3.07	0.04	0.00	0.04	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	0.47	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00
Col155	47	0.23	8.15	-0.18	3.32	0.76	3.07	0.03	0.05	0.27	0.00
Col155	48	0.32	8.15	-0.18	3.32	0.76	3.07	0.04	0.05	0.29	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	0.53	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00
Col155	54	0.42	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col155	55	0.42	8.15	-0.18	3.32	0.76	3.07	0.05	0.05	0.30	0.00
Col155	56	0.42	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col156	1	0.56	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	0.41	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col156	4	0.41	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col156	5	0.45	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col156	6	0.33	8.15	0.00	3.32	0.00	3.07	0.04	0.00	0.04	0.00
Col156	7	0.33	8.15	0.00	3.32	0.00	3.07	0.04	0.00	0.04	0.00
Col156	8	-0.21	21.18	0.24	3.32	-1.01	3.07	0.01	0.07	0.32	0.00
Col156	9	-0.08	21.18	0.24	3.32	-1.01	3.07	0.00	0.07	0.32	0.00
Col156	10	-0.21	21.18	-0.24	3.32	1.01	3.07	0.01	0.07	0.32	0.00
Col156	11	-0.08	21.18	-0.24	3.32	1.01	3.07	0.00	0.07	0.32	0.00
Col156	12	-0.21	21.18	-0.24	3.32	1.01	3.07	0.01	0.07	0.32	0.00
Col156	13	-0.08	21.18	-0.24	3.32	1.01	3.07	0.00	0.07	0.32	0.00
Col156	14	-0.11	21.18	-0.24	3.32	1.01	3.07	0.01	0.07	0.32	0.00
Col156	15	0.01	8.15	-0.24	3.32	1.01	3.07	0.00	0.07	0.33	0.00
Col156	16	0.29	8.15	-0.18	3.32	0.76	3.07	0.04	0.05	0.28	0.00
Col156	17	0.39	8.15	-0.18	3.32	0.76	3.07	0.05	0.05	0.29	0.00
Col156	18	0.22	8.15	-0.18	3.32	0.76	3.07	0.03	0.05	0.27	0.00
Col156	19	0.32	8.15	-0.18	3.32	0.76	3.07	0.04	0.05	0.29	0.00
Col156	20	0.18	8.15	-0.18	3.32	0.76	3.07	0.02	0.05	0.27	0.00
Col156	21	0.27	8.15	-0.18	3.32	0.76	3.07	0.03	0.05	0.28	0.00
Col156	22	0.11	8.15	-0.18	3.32	0.76	3.07	0.01	0.05	0.26	0.00
Col156	23	0.20	8.15	-0.18	3.32	0.76	3.07	0.02	0.05	0.27	0.00
Col156	24	0.18	8.15	-0.18	3.32	0.76	3.07	0.02	0.05	0.27	0.00
Col156	25	0.27	8.15	-0.18	3.32	0.76	3.07	0.03	0.05	0.28	0.00
Col156	26	0.11	8.15	-0.18	3.32	0.76	3.07	0.01	0.05	0.26	0.00
Col156	27	0.20	8.15	-0.18	3.32	0.76	3.07	0.02	0.05	0.27	0.00
Col156	28	-0.22	21.18	0.24	3.32	-1.01	3.07	0.01	0.07	0.32	0.00
Col156	29	-0.10	21.18	0.24	3.32	-1.01	3.07	0.00	0.07	0.32	0.00
Col156	30	-0.22	21.18	-0.24	3.32	1.01	3.07	0.01	0.07	0.32	0.00
Col156	31	-0.10	21.18	-0.24	3.32	1.01	3.07	0.00	0.07	0.32	0.00
Col156	32	-0.22	21.18	-0.24	3.32	1.01	3.07	0.01	0.07	0.32	0.00
Col156	33	-0.10	21.18	-0.24	3.32	1.01	3.07	0.00	0.07	0.32	0.00
Col156	34	-0.13	21.18	-0.24	3.32	1.01	3.07	0.01	0.07	0.32	0.00
Col156	35	-0.01	21.18	-0.24	3.32	1.01	3.07	0.00	0.07	0.33	0.00
Col156	36	0.10	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col156	37	0.10	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col156	38	0.45	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col156	39	0.45	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col156	40	0.33	8.15	0.00	3.32	0.00	3.07	0.04	0.00	0.04	0.00
Col156	41	0.33	8.15	0.00	3.32	0.00	3.07	0.04	0.00	0.04	0.00
Col156	42	0.33	8.15	0.00	3.32	0.00	3.07	0.04	0.00	0.04	0.00
Col156	43	0.33	8.15	0.00	3.32	0.00	3.07	0.04	0.00	0.04	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	0.47	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00
Col156	47	0.23	8.15	-0.18	3.32	0.76	3.07	0.03	0.05	0.27	0.00
Col156	48	0.32	8.15	-0.18	3.32	0.76	3.07	0.04	0.05	0.29	0.00

Col156	49	0.10	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col156	50	0.10	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col156	51	0.07	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col156	52	0.07	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col156	53	0.53	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00
Col156	54	0.42	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col156	55	0.42	8.15	-0.18	3.32	0.76	3.07	0.05	0.05	0.30	0.00
Col156	56	0.42	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00

COLUMN REACTIONS:

Id	Load		In_Plane		Out_Plane
	Id	Vert (k )	Horz (k )	Horz (k )	Horz (k )
Col155	1	0.56	0.00	0.00	0.00
Col155	2	0.10	0.00	0.00	0.00
Col155	3	0.41	0.00	0.00	0.00
Col155	4	0.41	0.00	0.00	0.00
Col155	5	0.45	0.00	0.00	0.00
Col155	6	0.33	0.00	0.00	0.00
Col155	7	0.33	0.00	0.00	0.00
Col155	8	-0.21	0.00	-0.24	-0.24
Col155	9	-0.08	0.00	-0.24	-0.24
Col155	10	-0.21	0.00	0.24	0.24
Col155	11	-0.08	0.00	0.24	0.24
Col155	12	-0.21	0.00	0.24	0.24
Col155	13	-0.08	0.00	0.24	0.24
Col155	14	-0.11	0.00	0.24	0.24
Col155	15	0.01	0.00	0.24	0.24
Col155	16	0.29	0.00	0.18	0.18
Col155	17	0.39	0.00	0.18	0.18
Col155	18	0.22	0.00	0.18	0.18
Col155	19	0.32	0.00	0.18	0.18
Col155	20	0.18	0.00	0.18	0.18
Col155	21	0.27	0.00	0.18	0.18
Col155	22	0.11	0.00	0.18	0.18
Col155	23	0.20	0.00	0.18	0.18
Col155	24	0.18	0.00	0.18	0.18
Col155	25	0.27	0.00	0.18	0.18
Col155	26	0.11	0.00	0.18	0.18
Col155	27	0.20	0.00	0.18	0.18
Col155	28	-0.22	0.00	-0.24	-0.24
Col155	29	-0.10	0.00	-0.24	-0.24
Col155	30	-0.22	0.00	0.24	0.24
Col155	31	-0.10	0.00	0.24	0.24
Col155	32	-0.22	0.00	0.24	0.24
Col155	33	-0.10	0.00	0.24	0.24
Col155	34	-0.13	0.00	0.24	0.24
Col155	35	-0.01	0.00	0.24	0.24
Col155	36	0.10	0.00	0.00	0.00
Col155	37	0.10	0.00	0.00	0.00
Col155	38	0.45	0.00	0.00	0.00
Col155	39	0.45	0.00	0.00	0.00
Col155	40	0.33	0.00	0.00	0.00
Col155	41	0.33	0.00	0.00	0.00
Col155	42	0.33	0.00	0.00	0.00
Col155	43	0.33	0.00	0.00	0.00
Col155	44	0.07	0.00	0.00	0.00
Col155	45	0.07	0.00	0.00	0.00
Col155	46	0.47	0.00	0.00	0.00
Col155	47	0.23	0.00	0.18	0.18
Col155	48	0.32	0.00	0.18	0.18
Col155	49	0.10	0.00	0.00	0.00
Col155	50	0.10	0.00	0.00	0.00
Col155	51	0.07	0.00	0.00	0.00

Col155	52	0.07	0.00	0.00
Col155	53	0.53	0.00	0.00
Col155	54	0.42	0.00	0.00
Col155	55	0.42	0.00	0.18
Col155	56	0.42	0.00	0.00
Col156	1	0.56	0.00	0.00
Col156	2	0.10	0.00	0.00
Col156	3	0.41	0.00	0.00
Col156	4	0.41	0.00	0.00
Col156	5	0.45	0.00	0.00
Col156	6	0.33	0.00	0.00
Col156	7	0.33	0.00	0.00
Col156	8	-0.21	0.00	-0.24
Col156	9	-0.08	0.00	-0.24
Col156	10	-0.21	0.00	0.24
Col156	11	-0.08	0.00	0.24
Col156	12	-0.21	0.00	0.24
Col156	13	-0.08	0.00	0.24
Col156	14	-0.11	0.00	0.24
Col156	15	0.01	0.00	0.24
Col156	16	0.29	0.00	0.18
Col156	17	0.39	0.00	0.18
Col156	18	0.22	0.00	0.18
Col156	19	0.32	0.00	0.18
Col156	20	0.18	0.00	0.18
Col156	21	0.27	0.00	0.18
Col156	22	0.11	0.00	0.18
Col156	23	0.20	0.00	0.18
Col156	24	0.18	0.00	0.18
Col156	25	0.27	0.00	0.18
Col156	26	0.11	0.00	0.18
Col156	27	0.20	0.00	0.18
Col156	28	-0.22	0.00	-0.24
Col156	29	-0.10	0.00	-0.24
Col156	30	-0.22	0.00	0.24
Col156	31	-0.10	0.00	0.24
Col156	32	-0.22	0.00	0.24
Col156	33	-0.10	0.00	0.24
Col156	34	-0.13	0.00	0.24
Col156	35	-0.01	0.00	0.24
Col156	36	0.10	0.00	0.00
Col156	37	0.10	0.00	0.00
Col156	38	0.45	0.00	0.00
Col156	39	0.45	0.00	0.00
Col156	40	0.33	0.00	0.00
Col156	41	0.33	0.00	0.00
Col156	42	0.33	0.00	0.00
Col156	43	0.33	0.00	0.00
Col156	44	0.07	0.00	0.00
Col156	45	0.07	0.00	0.00
Col156	46	0.47	0.00	0.00
Col156	47	0.23	0.00	0.18
Col156	48	0.32	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	0.53	0.00	0.00
Col156	54	0.42	0.00	0.00
Col156	55	0.42	0.00	0.18
Col156	56	0.42	0.00	0.00

COLUMN DEFLECTIONS:

Load            Deflection (in)

Id	Id	Calc	Limit
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	-0.48	1.14
Col55	9	-0.48	1.14
Col55	10	0.48	1.14
Col55	11	0.48	1.14
Col55	12	0.48	1.14
Col55	13	0.48	1.14
Col55	14	0.48	1.14
Col55	15	0.48	1.14
Col55	16	0.36	1.14
Col55	17	0.36	1.14
Col55	18	0.36	1.14
Col55	19	0.36	1.14
Col55	20	0.36	1.14
Col55	21	0.36	1.14
Col55	22	0.36	1.14
Col55	23	0.36	1.14
Col55	24	0.36	1.14
Col55	25	0.36	1.14
Col55	26	0.36	1.14
Col55	27	0.36	1.14
Col55	28	-0.48	1.14
Col55	29	-0.48	1.14
Col55	30	0.48	1.14
Col55	31	0.48	1.14
Col55	32	0.48	1.14
Col55	33	0.48	1.14
Col55	34	0.48	1.14
Col55	35	0.48	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	0.22	1.14
Col55	48	0.22	1.14
Col55	49	0.00	1.14
Col55	50	0.00	1.14
Col55	51	0.36	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	-0.48	1.14
Col56	9	-0.48	1.14
Col56	10	0.48	1.14
Col56	11	0.48	1.14

Col56	12	0.48	1.14
Col56	13	0.48	1.14
Col56	14	0.48	1.14
Col56	15	0.48	1.14
Col56	16	0.36	1.14
Col56	17	0.36	1.14
Col56	18	0.36	1.14
Col56	19	0.36	1.14
Col56	20	0.36	1.14
Col56	21	0.36	1.14
Col56	22	0.36	1.14
Col56	23	0.36	1.14
Col56	24	0.36	1.14
Col56	25	0.36	1.14
Col56	26	0.36	1.14
Col56	27	0.36	1.14
Col56	28	-0.48	1.14
Col56	29	-0.48	1.14
Col56	30	0.48	1.14
Col56	31	0.48	1.14
Col56	32	0.48	1.14
Col56	33	0.48	1.14
Col56	34	0.48	1.14
Col56	35	0.48	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	0.22	1.14
Col56	48	0.22	1.14
Col56	49	0.00	1.14
Col56	50	0.00	1.14
Col56	51	0.36	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 &amp; DEFLECTION:

Span Id	Locate (ft)		Load	-----Moment (ft-lb/ft)-----						Deflect (in)		
	Start	End		Start Calc Limit	Midspan Calc Limit	End Calc Limit	Max UC	Calc	Limit			
1	0.00	4.58	WP	0.0	70.2	-10.1	70.2	12.6	107.0	0.14	-0.03	0.92
			WS	0.0	107.0	10.1	107.0	-12.6	70.2	0.18	0.03	0.92
2	4.58	9.17	WP	12.6	107.0	-3.2	70.2	12.6	107.0	0.12	0.00	0.92
			WS	-12.6	70.2	3.2	107.0	-12.6	70.2	0.18	0.00	0.92
3	9.17	13.75	WP	12.6	107.0	-10.1	70.2	0.0	107.0	0.14	-0.03	0.92
			WS	-12.6	70.2	10.1	107.0	0.0	107.0	0.18	0.03	0.92

WP - Wind Pressure

WS - Wind Suction



WALL LAYOUT:

Wall Id	Orn	LeftEW Offset	BackSW Offset	Wall Length	Load Width
8	L	69.75	30.00	13.75	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
Col159	4.6	6X2C16	6.00	16ga	2.00	16ga	17.1	37.5	8 0.42 Deflect
Col160	9.2	6X2C16	6.00	16ga	2.00	16ga	17.1	37.5	8 0.42 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+
Col159	1	0.56	8.15	0.00	3.32	0.00	3.07	0.07	0.00	0.07	0.00
Col159	2	0.10	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col159	3	0.41	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col159	4	0.41	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col159	5	0.45	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col159	6	0.33	8.15	0.00	3.32	0.00	3.07	0.04	0.00	0.04	0.00
Col159	7	0.33	8.15	0.00	3.32	0.00	3.07	0.04	0.00	0.04	0.00
Col159	8	-0.21	21.18	0.24	3.32	-1.01	3.07	0.01	0.07	0.32	0.00
Col159	9	-0.08	21.18	0.24	3.32	-1.01	3.07	0.00	0.07	0.32	0.00
Col159	10	-0.21	21.18	-0.24	3.32	1.01	3.07	0.01	0.07	0.32	0.00
Col159	11	-0.08	21.18	-0.24	3.32	1.01	3.07	0.00	0.07	0.32	0.00
Col159	12	-0.21	21.18	-0.24	3.32	1.01	3.07	0.01	0.07	0.32	0.00
Col159	13	-0.08	21.18	-0.24	3.32	1.01	3.07	0.00	0.07	0.32	0.00
Col159	14	-0.11	21.18	-0.24	3.32	1.01	3.07	0.01	0.07	0.32	0.00
Col159	15	0.01	8.15	-0.24	3.32	1.01	3.07	0.00	0.07	0.33	0.00
Col159	16	0.29	8.15	-0.18	3.32	0.76	3.07	0.04	0.05	0.28	0.00
Col159	17	0.39	8.15	-0.18	3.32	0.76	3.07	0.05	0.05	0.29	0.00
Col159	18	0.22	8.15	-0.18	3.32	0.76	3.07	0.03	0.05	0.27	0.00
Col159	19	0.32	8.15	-0.18	3.32	0.76	3.07	0.04	0.05	0.29	0.00
Col159	20	0.18	8.15	-0.18	3.32	0.76	3.07	0.02	0.05	0.27	0.00
Col159	21	0.27	8.15	-0.18	3.32	0.76	3.07	0.03	0.05	0.28	0.00
Col159	22	0.11	8.15	-0.18	3.32	0.76	3.07	0.01	0.05	0.26	0.00
Col159	23	0.20	8.15	-0.18	3.32	0.76	3.07	0.02	0.05	0.27	0.00
Col159	24	0.18	8.15	-0.18	3.32	0.76	3.07	0.02	0.05	0.27	0.00
Col159	25	0.27	8.15	-0.18	3.32	0.76	3.07	0.03	0.05	0.28	0.00
Col159	26	0.11	8.15	-0.18	3.32	0.76	3.07	0.01	0.05	0.26	0.00
Col159	27	0.20	8.15	-0.18	3.32	0.76	3.07	0.02	0.05	0.27	0.00
Col159	28	-0.22	21.18	0.24	3.32	-1.01	3.07	0.01	0.07	0.32	0.00
Col159	29	-0.10	21.18	0.24	3.32	-1.01	3.07	0.00	0.07	0.32	0.00
Col159	30	-0.22	21.18	-0.24	3.32	1.01	3.07	0.01	0.07	0.32	0.00
Col159	31	-0.10	21.18	-0.24	3.32	1.01	3.07	0.00	0.07	0.32	0.00
Col159	32	-0.22	21.18	-0.24	3.32	1.01	3.07	0.01	0.07	0.32	0.00
Col159	33	-0.10	21.18	-0.24	3.32	1.01	3.07	0.00	0.07	0.32	0.00
Col159	34	-0.13	21.18	-0.24	3.32	1.01	3.07	0.01	0.07	0.32	0.00
Col159	35	-0.01	21.18	-0.24	3.32	1.01	3.07	0.00	0.07	0.33	0.00
Col159	36	0.10	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col159	37	0.10	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col159	38	0.45	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col159	39	0.45	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00

Col59	40	0.33	8.15	0.00	3.32	0.00	3.07	0.04	0.00	0.04	0.00
Col59	41	0.33	8.15	0.00	3.32	0.00	3.07	0.04	0.00	0.04	0.00
Col59	42	0.33	8.15	0.00	3.32	0.00	3.07	0.04	0.00	0.04	0.00
Col59	43	0.33	8.15	0.00	3.32	0.00	3.07	0.04	0.00	0.04	0.00
Col59	44	0.07	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col59	45	0.07	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col59	46	0.47	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00
Col59	47	0.23	8.15	-0.18	3.32	0.76	3.07	0.03	0.05	0.27	0.00
Col59	48	0.32	8.15	-0.18	3.32	0.76	3.07	0.04	0.05	0.29	0.00
Col59	49	0.10	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col59	50	0.10	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col59	51	0.07	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col59	52	0.07	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col59	53	0.53	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00
Col59	54	0.42	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col59	55	0.42	8.15	-0.18	3.32	0.76	3.07	0.05	0.05	0.30	0.00
Col59	56	0.42	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col60	1	0.56	8.15	0.00	3.32	0.00	3.07	0.07	0.00	0.07	0.00
Col60	2	0.10	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col60	3	0.41	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col60	4	0.41	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col60	5	0.45	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col60	6	0.33	8.15	0.00	3.32	0.00	3.07	0.04	0.00	0.04	0.00
Col60	7	0.33	8.15	0.00	3.32	0.00	3.07	0.04	0.00	0.04	0.00
Col60	8	-0.21	21.18	0.24	3.32	-1.01	3.07	0.01	0.07	0.32	0.00
Col60	9	-0.08	21.18	0.24	3.32	-1.01	3.07	0.00	0.07	0.32	0.00
Col60	10	-0.21	21.18	-0.24	3.32	1.01	3.07	0.01	0.07	0.32	0.00
Col60	11	-0.08	21.18	-0.24	3.32	1.01	3.07	0.00	0.07	0.32	0.00
Col60	12	-0.21	21.18	-0.24	3.32	1.01	3.07	0.01	0.07	0.32	0.00
Col60	13	-0.08	21.18	-0.24	3.32	1.01	3.07	0.00	0.07	0.32	0.00
Col60	14	-0.11	21.18	-0.24	3.32	1.01	3.07	0.01	0.07	0.32	0.00
Col60	15	0.01	8.15	-0.24	3.32	1.01	3.07	0.00	0.07	0.33	0.00
Col60	16	0.29	8.15	-0.18	3.32	0.76	3.07	0.04	0.05	0.28	0.00
Col60	17	0.39	8.15	-0.18	3.32	0.76	3.07	0.05	0.05	0.29	0.00
Col60	18	0.22	8.15	-0.18	3.32	0.76	3.07	0.03	0.05	0.27	0.00
Col60	19	0.32	8.15	-0.18	3.32	0.76	3.07	0.04	0.05	0.29	0.00
Col60	20	0.18	8.15	-0.18	3.32	0.76	3.07	0.02	0.05	0.27	0.00
Col60	21	0.27	8.15	-0.18	3.32	0.76	3.07	0.03	0.05	0.28	0.00
Col60	22	0.11	8.15	-0.18	3.32	0.76	3.07	0.01	0.05	0.26	0.00
Col60	23	0.20	8.15	-0.18	3.32	0.76	3.07	0.02	0.05	0.27	0.00
Col60	24	0.18	8.15	-0.18	3.32	0.76	3.07	0.02	0.05	0.27	0.00
Col60	25	0.27	8.15	-0.18	3.32	0.76	3.07	0.03	0.05	0.28	0.00
Col60	26	0.11	8.15	-0.18	3.32	0.76	3.07	0.01	0.05	0.26	0.00
Col60	27	0.20	8.15	-0.18	3.32	0.76	3.07	0.02	0.05	0.27	0.00
Col60	28	-0.22	21.18	0.24	3.32	-1.01	3.07	0.01	0.07	0.32	0.00
Col60	29	-0.10	21.18	0.24	3.32	-1.01	3.07	0.00	0.07	0.32	0.00
Col60	30	-0.22	21.18	-0.24	3.32	1.01	3.07	0.01	0.07	0.32	0.00
Col60	31	-0.10	21.18	-0.24	3.32	1.01	3.07	0.00	0.07	0.32	0.00
Col60	32	-0.22	21.18	-0.24	3.32	1.01	3.07	0.01	0.07	0.32	0.00
Col60	33	-0.10	21.18	-0.24	3.32	1.01	3.07	0.00	0.07	0.32	0.00
Col60	34	-0.13	21.18	-0.24	3.32	1.01	3.07	0.01	0.07	0.32	0.00
Col60	35	-0.01	21.18	-0.24	3.32	1.01	3.07	0.00	0.07	0.33	0.00
Col60	36	0.10	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col60	37	0.10	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col60	38	0.45	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col60	39	0.45	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col60	40	0.33	8.15	0.00	3.32	0.00	3.07	0.04	0.00	0.04	0.00
Col60	41	0.33	8.15	0.00	3.32	0.00	3.07	0.04	0.00	0.04	0.00
Col60	42	0.33	8.15	0.00	3.32	0.00	3.07	0.04	0.00	0.04	0.00
Col60	43	0.33	8.15	0.00	3.32	0.00	3.07	0.04	0.00	0.04	0.00
Col60	44	0.07	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col60	45	0.07	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col60	46	0.47	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00
Col60	47	0.23	8.15	-0.18	3.32	0.76	3.07	0.03	0.05	0.27	0.00
Col60	48	0.32	8.15	-0.18	3.32	0.76	3.07	0.04	0.05	0.29	0.00

Col60	49	0.10	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col60	50	0.10	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col60	51	0.07	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col60	52	0.07	8.15	0.00	3.32	0.00	3.07	0.01	0.00	0.01	0.00
Col60	53	0.53	8.15	0.00	3.32	0.00	3.07	0.06	0.00	0.06	0.00
Col60	54	0.42	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00
Col60	55	0.42	8.15	-0.18	3.32	0.76	3.07	0.05	0.05	0.30	0.00
Col60	56	0.42	8.15	0.00	3.32	0.00	3.07	0.05	0.00	0.05	0.00

COLUMN REACTIONS:

Id	Load		In_Plane		Out_Plane
	Id	Vert(k )	Horz(k )	Horz(k )	
Col59	1	0.56	0.00	0.00	
Col59	2	0.10	0.00	0.00	
Col59	3	0.41	0.00	0.00	
Col59	4	0.41	0.00	0.00	
Col59	5	0.45	0.00	0.00	
Col59	6	0.33	0.00	0.00	
Col59	7	0.33	0.00	0.00	
Col59	8	-0.21	0.00	-0.24	
Col59	9	-0.08	0.00	-0.24	
Col59	10	-0.21	0.00	0.24	
Col59	11	-0.08	0.00	0.24	
Col59	12	-0.21	0.00	0.24	
Col59	13	-0.08	0.00	0.24	
Col59	14	-0.11	0.00	0.24	
Col59	15	0.01	0.00	0.24	
Col59	16	0.29	0.00	0.18	
Col59	17	0.39	0.00	0.18	
Col59	18	0.22	0.00	0.18	
Col59	19	0.32	0.00	0.18	
Col59	20	0.18	0.00	0.18	
Col59	21	0.27	0.00	0.18	
Col59	22	0.11	0.00	0.18	
Col59	23	0.20	0.00	0.18	
Col59	24	0.18	0.00	0.18	
Col59	25	0.27	0.00	0.18	
Col59	26	0.11	0.00	0.18	
Col59	27	0.20	0.00	0.18	
Col59	28	-0.22	0.00	-0.24	
Col59	29	-0.10	0.00	-0.24	
Col59	30	-0.22	0.00	0.24	
Col59	31	-0.10	0.00	0.24	
Col59	32	-0.22	0.00	0.24	
Col59	33	-0.10	0.00	0.24	
Col59	34	-0.13	0.00	0.24	
Col59	35	-0.01	0.00	0.24	
Col59	36	0.10	0.00	0.00	
Col59	37	0.10	0.00	0.00	
Col59	38	0.45	0.00	0.00	
Col59	39	0.45	0.00	0.00	
Col59	40	0.33	0.00	0.00	
Col59	41	0.33	0.00	0.00	
Col59	42	0.33	0.00	0.00	
Col59	43	0.33	0.00	0.00	
Col59	44	0.07	0.00	0.00	
Col59	45	0.07	0.00	0.00	
Col59	46	0.47	0.00	0.00	
Col59	47	0.23	0.00	0.18	
Col59	48	0.32	0.00	0.18	
Col59	49	0.10	0.00	0.00	
Col59	50	0.10	0.00	0.00	
Col59	51	0.07	0.00	0.00	

Col159	52	0.07	0.00	0.00
Col159	53	0.53	0.00	0.00
Col159	54	0.42	0.00	0.00
Col159	55	0.42	0.00	0.18
Col159	56	0.42	0.00	0.00
Col160	1	0.56	0.00	0.00
Col160	2	0.10	0.00	0.00
Col160	3	0.41	0.00	0.00
Col160	4	0.41	0.00	0.00
Col160	5	0.45	0.00	0.00
Col160	6	0.33	0.00	0.00
Col160	7	0.33	0.00	0.00
Col160	8	-0.21	0.00	-0.24
Col160	9	-0.08	0.00	-0.24
Col160	10	-0.21	0.00	0.24
Col160	11	-0.08	0.00	0.24
Col160	12	-0.21	0.00	0.24
Col160	13	-0.08	0.00	0.24
Col160	14	-0.11	0.00	0.24
Col160	15	0.01	0.00	0.24
Col160	16	0.29	0.00	0.18
Col160	17	0.39	0.00	0.18
Col160	18	0.22	0.00	0.18
Col160	19	0.32	0.00	0.18
Col160	20	0.18	0.00	0.18
Col160	21	0.27	0.00	0.18
Col160	22	0.11	0.00	0.18
Col160	23	0.20	0.00	0.18
Col160	24	0.18	0.00	0.18
Col160	25	0.27	0.00	0.18
Col160	26	0.11	0.00	0.18
Col160	27	0.20	0.00	0.18
Col160	28	-0.22	0.00	-0.24
Col160	29	-0.10	0.00	-0.24
Col160	30	-0.22	0.00	0.24
Col160	31	-0.10	0.00	0.24
Col160	32	-0.22	0.00	0.24
Col160	33	-0.10	0.00	0.24
Col160	34	-0.13	0.00	0.24
Col160	35	-0.01	0.00	0.24
Col160	36	0.10	0.00	0.00
Col160	37	0.10	0.00	0.00
Col160	38	0.45	0.00	0.00
Col160	39	0.45	0.00	0.00
Col160	40	0.33	0.00	0.00
Col160	41	0.33	0.00	0.00
Col160	42	0.33	0.00	0.00
Col160	43	0.33	0.00	0.00
Col160	44	0.07	0.00	0.00
Col160	45	0.07	0.00	0.00
Col160	46	0.47	0.00	0.00
Col160	47	0.23	0.00	0.18
Col160	48	0.32	0.00	0.18
Col160	49	0.10	0.00	0.00
Col160	50	0.10	0.00	0.00
Col160	51	0.07	0.00	0.00
Col160	52	0.07	0.00	0.00
Col160	53	0.53	0.00	0.00
Col160	54	0.42	0.00	0.00
Col160	55	0.42	0.00	0.18
Col160	56	0.42	0.00	0.00

COLUMN DEFLECTIONS:

Load            Deflection (in)

Id	Id	Calc	Limit
Col59	1	0.00	1.14
Col59	2	0.00	1.14
Col59	3	0.00	1.14
Col59	4	0.00	1.14
Col59	5	0.00	1.14
Col59	6	0.00	1.14
Col59	7	0.00	1.14
Col59	8	-0.48	1.14
Col59	9	-0.48	1.14
Col59	10	0.48	1.14
Col59	11	0.48	1.14
Col59	12	0.48	1.14
Col59	13	0.48	1.14
Col59	14	0.48	1.14
Col59	15	0.48	1.14
Col59	16	0.36	1.14
Col59	17	0.36	1.14
Col59	18	0.36	1.14
Col59	19	0.36	1.14
Col59	20	0.36	1.14
Col59	21	0.36	1.14
Col59	22	0.36	1.14
Col59	23	0.36	1.14
Col59	24	0.36	1.14
Col59	25	0.36	1.14
Col59	26	0.36	1.14
Col59	27	0.36	1.14
Col59	28	-0.48	1.14
Col59	29	-0.48	1.14
Col59	30	0.48	1.14
Col59	31	0.48	1.14
Col59	32	0.48	1.14
Col59	33	0.48	1.14
Col59	34	0.48	1.14
Col59	35	0.48	1.14
Col59	36	0.00	1.14
Col59	37	0.00	1.14
Col59	38	0.00	1.14
Col59	39	0.00	1.14
Col59	40	0.00	1.14
Col59	41	0.00	1.14
Col59	42	0.00	1.14
Col59	43	0.00	1.14
Col59	44	0.00	1.14
Col59	45	0.00	1.14
Col59	46	0.00	1.14
Col59	47	0.22	1.14
Col59	48	0.22	1.14
Col59	49	0.00	1.14
Col59	50	0.00	1.14
Col59	51	0.36	1.14
Col59	52	0.00	1.14
Col160	1	0.00	1.14
Col160	2	0.00	1.14
Col160	3	0.00	1.14
Col160	4	0.00	1.14
Col160	5	0.00	1.14
Col160	6	0.00	1.14
Col160	7	0.00	1.14
Col160	8	-0.48	1.14
Col160	9	-0.48	1.14
Col160	10	0.48	1.14
Col160	11	0.48	1.14

Col60	12	0.48	1.14
Col60	13	0.48	1.14
Col60	14	0.48	1.14
Col60	15	0.48	1.14
Col60	16	0.36	1.14
Col60	17	0.36	1.14
Col60	18	0.36	1.14
Col60	19	0.36	1.14
Col60	20	0.36	1.14
Col60	21	0.36	1.14
Col60	22	0.36	1.14
Col60	23	0.36	1.14
Col60	24	0.36	1.14
Col60	25	0.36	1.14
Col60	26	0.36	1.14
Col60	27	0.36	1.14
Col60	28	-0.48	1.14
Col60	29	-0.48	1.14
Col60	30	0.48	1.14
Col60	31	0.48	1.14
Col60	32	0.48	1.14
Col60	33	0.48	1.14
Col60	34	0.48	1.14
Col60	35	0.48	1.14
Col60	36	0.00	1.14
Col60	37	0.00	1.14
Col60	38	0.00	1.14
Col60	39	0.00	1.14
Col60	40	0.00	1.14
Col60	41	0.00	1.14
Col60	42	0.00	1.14
Col60	43	0.00	1.14
Col60	44	0.00	1.14
Col60	45	0.00	1.14
Col60	46	0.00	1.14
Col60	47	0.22	1.14
Col60	48	0.22	1.14
Col60	49	0.00	1.14
Col60	50	0.00	1.14
Col60	51	0.36	1.14
Col60	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
Col159	17.1	0.1	0.1	89	2	0.00	0.00
Col160	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 &amp; 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	4.58	WP	0.0	70.2	-10.1	70.2	12.6	107.0	0.14	-0.03	0.92
			WS	0.0	107.0	10.1	107.0	-12.6	70.2	0.18	0.03	0.92
2	4.58	9.17	WP	12.6	107.0	-3.2	70.2	12.6	107.0	0.12	0.00	0.92
			WS	-12.6	70.2	3.2	107.0	-12.6	70.2	0.18	0.00	0.92
3	9.17	13.75	WP	12.6	107.0	-10.1	70.2	0.0	107.0	0.14	-0.03	0.92
			WS	-12.6	70.2	10.1	107.0	0.0	107.0	0.18	0.03	0.92

WP - Wind Pressure

WS - Wind Suction

## WALL BRACING

Member

WRN(WWM-401): Panel Shear &gt; Limit