

RUFFIN  
21-May-2007  
CHRIS

EM1757  
07:52:37  
Release 22.1

VALCOM INC

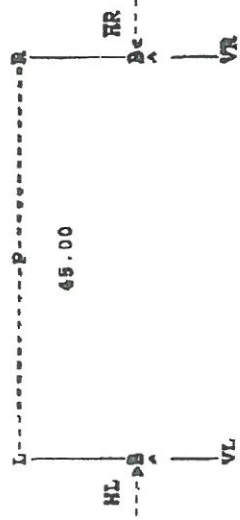
DESIGN FRAME #1  
PRELIMINARY FRAME COLUMN REACTIONS  
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985-649-7679

Dave Jr.  
Please Give To Chuck Damon  
6 Pages

FRAME LINES: 1 4

LEFT EH= 14.000 FT. LEFT RS: 1.000/12  
RIGHT EH= 14.000 FT. RIGHT RS: 1.000/12  
DISTANCE TO PEAK FROM LEFT SIDE: 22.500 FT.



*FRANKS*  
*Berdy*  
*S TOP*

BUILDING LOADS	COLUMN REACTIONS (KIPS)			
	HL	VL	HR	VR
DL	0.60	1.29	0.60	1.29
LL	1.98	3.58	1.99	3.59
SL	0.94	0.98	0.55	0.99
WLL	-7.15	-10.63	-1.09	-6.58
WLR	-1.86	-6.58	-7.15	-10.63
USL	0.55	0.63	0.55	1.11
USR	0.55	1.10	0.55	0.64
WLL1	-2.00	-6.96	-2.40	-6.32
WLR1	-2.39	-4.32	-2.00	-6.56
WEN	-2.52	-7.84	-2.22	-7.64
SRIL	-0.05	-0.03	0.05	0.03
SRIR	0.05	0.03	-0.05	-0.03
WLL2	-6.39	-7.48	-1.10	-3.41
WLR2	-1.10	-3.41	-6.39	-7.48
WLL3	-2.76	-9.73	-3.16	-7.48
WLR3	-3.16	-7.48	-2.76	-9.73
COMB # 1	2.57	4.87	2.59	4.88
COMB # 2	1.14	1.92	1.15	2.40
COMB # 5	-6.79	-9.05	-1.81	-9.81
COMB # 6	-1.51	-5.81	-5.79	-9.85
COMB # 21	-2.16	-6.86	-2.16	-6.86
COMB # 28	-2.40	-8.96	-2.40	-6.70
COMB # 29	-2.90	-6.70	-2.40	-8.96

DESIGN FRAME #1  
 PRELIMINARY FRAME COLUMN REACTIONS  
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LOAD COMBINATIONS:

- COMB # 1--> 1.00 X(DL+ LL)
- COMB # 2--> 1.00 X(DL+ UEL)
- COMB # 3--> 1.00 X(0.60DL+ WLL)
- COMB # 4--> 1.00 X(0.60DL+ WLR)
- COMB # 5--> 1.00 X(0.60DL+ WBH)
- COMB # 6--> 1.00 X(0.60DL+ WLR)

UEL->0.30X SNOW LOAD ON FRONT SLOPE ROOF + 1.00X SNOW LOAD ON REAR SLOPE ROOF  
 UEL->0.30X SNOW LOAD ON REAR SLOPE ROOF + 1.00X SNOW LOAD ON FRONT SLOPE ROOF

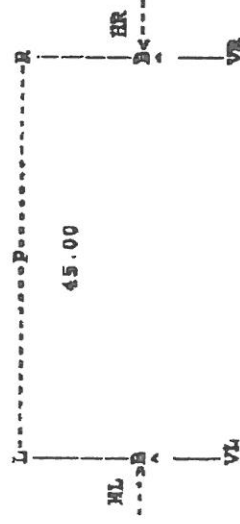
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DESIGN FRAME #2  
PRELIMINARY FRAME COLUMN REACTIONS

FRAME LINES: 2 3

LEFT EH= 14.000 FT. LEFT RB: 1.000/12  
RIGHT EH= 14.000 FT. RIGHT RB: 1.000/12  
DISTANCE TO PEAK FROM LEFT SIDE: 22.500 FT.



BUILDING LOADS	COLUMN REACTIONS (KIPS)			
	HL	VL	HR	VR
DL	1.02	2.08	1.02	2.08
LL	3.77	6.74	3.81	6.76
SL	1.09	1.96	1.11	1.97
WLL	-9.83	-14.99	-2.78	-9.94
WLR	-2.76	-9.94	-9.03	-14.99
UBL	1.11	1.27	1.12	3.22
UBR	1.11	2.22	1.12	1.28
WLL1	-1.75	-7.47	-2.22	-4.82
WLR1	-2.22	-4.82	-1.75	-7.47
WBL	-5.11	-16.28	-5.11	-16.28
WBR	-0.09	-0.06	0.09	0.06
SELL	0.09	0.06	-0.09	-0.06
SELR	-0.28	-0.69	-1.18	-3.61
WLL2	-1.18	-3.61	-8.25	-8.69
WLR2	-3.33	-13.80	-3.80	-11.13
WLL3	-3.80	-11.13	-3.33	-13.80
WLR3	4.79	8.81	4.81	8.84
COMB # 1	2.13	3.35	2.18	4.30
COMB # 2	-9.21	-13.75	-2.14	-8.70
COMB # 5	-3.52	-4.11	1.81	-0.31
COMB # 13	-4.50	-14.03	-6.50	-14.03
COMB # 19	-2.71	-12.56	-3.18	-9.89

LOAD COMBINATIONS:

- COMB # 1--> 1.00 X (DL+ LL)
- COMB # 2--> 1.00 X (DL+ UBL)
- COMB # 5--> 1.00 X (0.60DL+ WLL)
- COMB # 6--> 1.00 X (DL+ 0.75LL+ 0.75WLL)

NO. 2367 K 3

MA0001 / 0007.17.LAM

DESIGN FRAME #2  
 PRELIMINARY FRAME COLUMN REACTIONS  
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LOAD COMBINATIONS: (CONT'D)  
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COMB # 13--> 1.00 X(0.50DL+ WEM)  
 COMB # 19--> 1.00 X(0.50DL+ WLL3)  
 UBL->0.30X SNOW LOAD ON FRONT SLOPE ROOF + 1.00X SNOW LOAD ON REAR SLOPE ROOF  
 UBR->0.30X SNOW LOAD ON REAR SLOPE ROOF + 1.00X SNOW LOAD ON FRONT SLOPE ROOF

NO. 2367 P. 2

MAY. 21. 2007 1:30PM

RUFFIN  
21-MAY-2007  
CHRIS

BM1757  
07/22/34  
Release 23.1

VALCOM INC

ENDWALL DESIGN SYSTEM

\*\*\*\*\* ENDWALL C COLUMN DESIGN \*\*\*\*\*

PRELIMINARY COLUMN REACTIONS

COLUMN LOCATIONS (FT) ARE FROM SIDEWALL A.

APPLIED LOAD CASES AND COMBINATIONS	COL @ HORIZ (KIPS)	14.00 VERT (KIPS)	COL @ HORIZ (KIPS)	31.00 VERT (KIPS)
DL	0.00	0.13	0.00	0.13
LL	0.00	0.00	0.00	0.00
SL	0.00	0.00	0.00	0.00
WL+	3.04	0.00	3.04	0.00
WL-	-3.35	0.00	-3.35	0.00
0.6DL + WL+	3.04	0.08	3.04	0.08
0.6DL + WL-	-3.35	0.08	-3.35	0.08
DL + VBL	0.00	0.13	0.00	0.13
DL + UBR	0.00	0.13	0.00	0.13
DL + AL11_1	0.00	0.13	0.00	0.13
DL + AL12_2	0.00	0.13	0.00	0.13
DL + AL21_2	0.00	0.13	0.00	0.13
DL + AL22_3	0.00	0.13	0.00	0.13
DL + AL23_4	0.00	0.13	0.00	0.13

NO. 2361 P. 5

MAY. 11. 2007 1:30PM

RUPPIN  
21-May-2007  
CHRIS

SM1767  
07:52:34  
Release 23.1

VALCOM INC

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ENDWALL DESIGN SYSTEM  
\*\*\*\*\* ENDWALL D COLUMN DESIGN \*\*\*\*\*

PRELIMINARY COLUMN REACTIONS

COLUMN LOCATIONS (FT) ARE FROM SIDEWALL A.

APPLIED LOAD CASES AND COMBINATIONS	COL # HORIZ (KIPS)	14.00 VERT (KIPS)	COL # HORIZ (KIPS)	31.00 VERT (KIPS)
DL	0.00	0.13	0.00	0.33
LL	0.00	0.00	0.00	0.00
SL	0.00	0.00	0.00	0.00
WL+	3.04	0.00	0.00	0.00
WL-	-3.35	0.00	3.04	0.00
0.6DL + WL+	3.04	0.08	-3.35	0.00
0.6DL + WL-	-3.35	0.08	3.04	0.08
DL + UBL	0.00	0.13	-3.35	0.08
DL + UBR	0.00	0.13	0.00	0.13
DL + AL11_1	0.00	0.13	0.00	0.13
DL + AL12_2	0.00	0.13	0.00	0.13
DL + AL21_3	0.00	0.13	0.00	0.13
DL + AL22_3	0.00	0.13	0.00	0.13

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