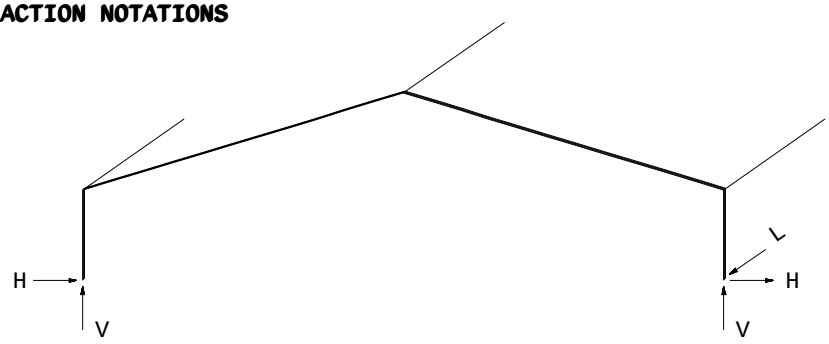
SUPPORT REACTIONS FOR EACH LOAD GROUP
LOCATION:frame lines 2

REACTION NOTATIONS



Mezzanine TYP columns
Dead: 33 Kip
Live 66 Kip
Partition: 6 Kip
Collateral: 7 Kip

LOAD GROUP REACTION TABLE

COLUMN	LEFT COLUMN			RIGHT COLUMN		
LOAD GROUP	H	V	L	H	V	L
DL	17.8	24.2	-0.0	-17.8	24.2	-0.0
LL	48.6	56.6	-0.0	-48.6	56.6	-0.0
COLL	24.3	28.3	-0.0	-24.3	28.3	-0.0
SNOW	46.8	54.5	-0.0	-46.8	54.5	-0.0
RBDWEQ	-0.1	-0.0	-0.0	0.1	7.2	-0.0
EQ	-3.1	-0.8	-0.0	-3.1	0.8	-0.0
RBUPEQ	0.1	0.0	-0.0	-0.1	-7.2	-6.3
WL1	-88.2	-106.5	-0.0	64.5	-86.8	-0.0
WL2	-67.6	-73.2	-0.0	43.9	-53.5	-0.0
WL3	-64.5	-86.8	-0.0	88.2	-106.5	-0.0
WL4	-43.9	-53.5	-0.0	67.6	-73.2	-0.0
LWL1	-54.1	-100.2	-0.0	69.2	-81.0	-0.0
RBUPLW	0.2	0.1	-0.0	-0.2	-16.7	-14.5
LWL2	-69.2	-81.0	-0.0	54.1	-100.2	-0.0
LWL3	-33.5	-66.9	-0.0	48.6	-47.7	-0.0
LWL4	-48.6	-47.7	-0.0	33.5	-66.9	-0.0
SBAL	46.8	54.5	-0.0	-46.8	54.5	-0.0
RS	41.4	33.1	-0.0	-41.4	53.8	-0.0

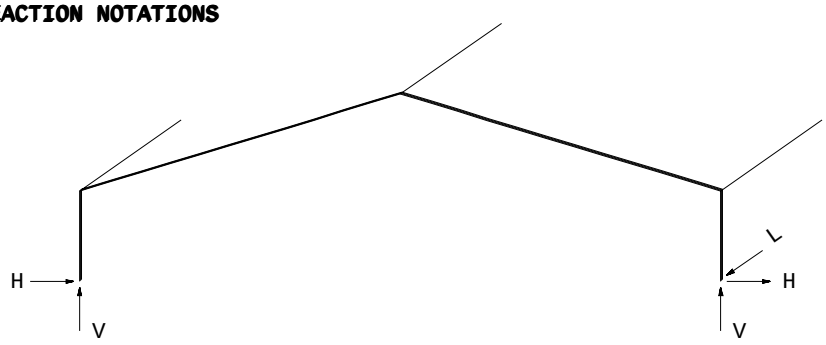
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LOAD GROUP DESCRIPTION

DL : Roof Dead Load
LL : Roof Live Load
COLL : Roof Collateral Load
SNOW : Roof Snow Load
RBDWEQ : Downward Acting Rod Brace Load from Long. Seismic
EQ : Lateral Seismic Load [parallel to plane of frame]
RBUPEQ : Upward Acting Rod Brace Load from Long. Seismic
WL1 : Wind from Left to Right with +GCpi
WL2 : Wind from Left to Right with -GCpi
WL3 : Wind from Right to Left with +GCpi
WL4 : Wind from Right to Left with -GCpi
LWL1 : Windward Corner Left with +GCpi
RBUPLW : Upward Acting Rod Brace Load from Long. Wind
LWL2 : Windward Corner Right with +GCpi
LWL3 : Windward Corner Left with -GCpi
LWL4 : Windward Corner Right with -GCpi
SBAL : Code Calculated Balanced Roof Snow Load
RS : Unbalanced Right Roof Snow Load

SUPPORT REACTIONS FOR EACH LOAD GROUP
LOCATION:frame lines 2

REACTION NOTATIONS



LOAD GROUP REACTION TABLE

COLUMN	LEFT COLUMN			RIGHT COLUMN		
LOAD GROUP	H	V	L	H	V	L
LS	41.4	53.8	-0.0	-41.4	33.1	-0.0
RBDWLW	-0.2	-0.1	-0.0	0.2	16.7	-0.0

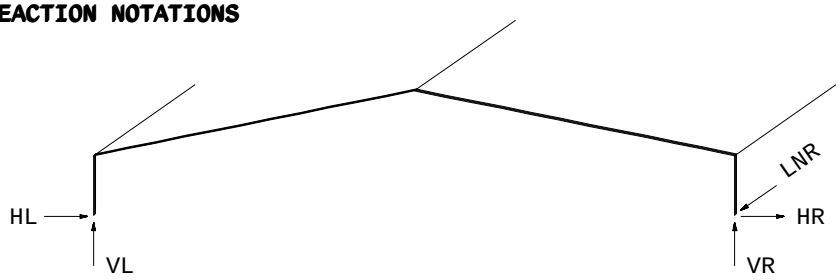
LOAD GROUP DESCRIPTION

LS : Unbalanced Left Roof Snow Load
RBDWLW : Downward Acting Rod Brace Load from Long. Wind

Preliminary
02/06/2026 9:26:52 AM

MAX. SUPPORT REACTIONS FOR LOAD COMBINATIONS
LOCATION:frame lines 2

REACTION NOTATIONS



LOAD COMBINATION MAXIMUM REACTION TABLE

COLUMN	LEFT COLUMN			RIGHT COLUMN		
LOAD COMB	HL	VL	LNL	HR	VR	LNR
GRAVITY LOAD COMBINATION						
1	**92.5**	**109.6**	0.0	-88.9	108.7	0.0
2	88.9	108.7	0.0	**-92.5**	**109.6**	0.0
15	10.8	14.6	0.0	-10.6	9.5	**-4.4**
WIND LOAD COMBINATION						
95	**64.6**	65.1	0.0	-55.8	80.8	0.0
29	**-42.2**	**-49.4**	0.0	28.0	-37.5	0.0
97	57.4	**73.8**	0.0	-62.1	72.1	0.0
41	-28.0	-37.5	0.0	**42.2**	-49.4	0.0
98	55.8	73.2	0.0	**-64.7**	72.7	0.0
96	62.2	64.6	0.0	-57.4	**81.3**	0.0
35	-30.8	-34.0	0.0	21.7	**-55.6**	-8.7
33	-21.7	-45.5	0.0	30.8	-44.1	**-8.7**
TRANSVERSE EARTHQUAKE LOAD COMBINATION						
13	**44.8**	**53.2**	0.0	-39.5	51.9	0.0
12	39.5	51.9	0.0	**-44.8**	**53.2**	0.0

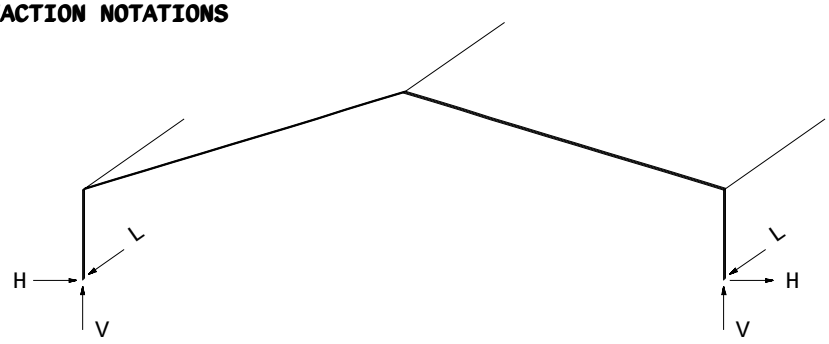
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LOAD COMBINATION DESCRIPTION

1 : DL +LL +COLL
2 : DL +LL +COLL
12 : DL +COLL +0.7EQ
13 : DL +COLL -0.7EQ
15 : 0.6DL +0.7RBUPEQ
29 : 0.6DL +0.6WL1
33 : 0.6DL +0.6LWL1 +0.6RBUPLW
35 : 0.6DL +0.6LWL2 +0.6RBUPLW
41 : 0.6DL +0.6WL3
95 : DL +0.75LL +COLL +0.45LWL3 +0.45RBDWLW
96 : DL +0.75LL +COLL +0.45LWL3 +0.45RBDWLW
97 : DL +0.75LL +COLL +0.45LWL4 +0.45RBDWLW
98 : DL +0.75LL +COLL +0.45LWL4 +0.45RBDWLW

SUPPORT REACTIONS FOR EACH LOAD GROUP
LOCATION:frame lines 3

REACTION NOTATIONS



LOAD GROUP REACTION TABLE

COLUMN	LEFT COLUMN			RIGHT COLUMN		
LOAD GROUP	H	V	L	H	V	L
DL	17.2	23.9	-0.0	-17.2	23.9	-0.0
LL	49.1	57.1	-0.0	-49.1	57.1	-0.0
COLL	24.5	28.6	-0.0	-24.5	28.6	-0.0
SNOW	47.2	55.0	-0.0	-47.2	55.0	-0.0
RBDWEQ	-0.1	7.3	-0.0	0.1	7.2	-0.0
EQ	-3.1	-0.8	-0.0	-3.1	0.8	-0.0
RBUPEQ	0.1	-7.3	-6.3	-0.1	-7.2	-6.3
WL1	-63.1	-76.3	-0.0	46.2	-64.6	-0.0
WL2	-42.3	-42.7	-0.0	25.4	-31.0	-0.0
WL3	-46.2	-64.6	-0.0	63.1	-76.3	-0.0
WL4	-25.4	-31.0	-0.0	42.3	-42.7	-0.0
LWL1	-37.9	-72.0	-0.0	46.9	-60.5	-0.0
RBUPLW	0.3	-16.7	-14.5	-0.3	-16.7	-14.5
LWL2	-46.9	-60.5	-0.0	37.9	-72.0	-0.0
LWL3	-17.1	-38.4	-0.0	26.1	-26.9	-0.0
LWL4	-26.1	-26.9	-0.0	17.1	-38.4	-0.0
SBAL	47.2	55.0	-0.0	-47.2	55.0	-0.0
RS	41.8	33.4	-0.0	-41.8	54.3	-0.0

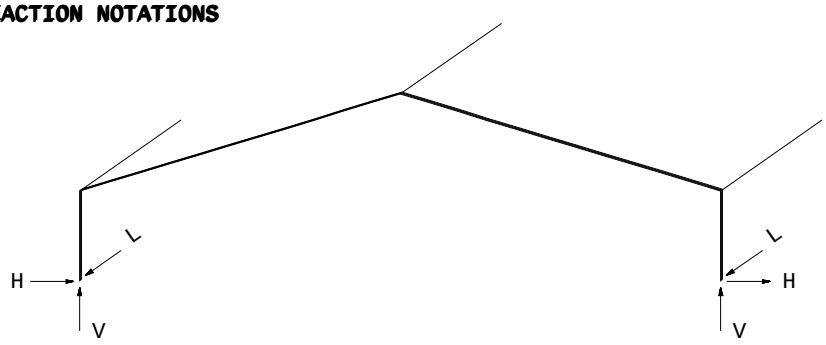
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LOAD GROUP DESCRIPTION

DL : Roof Dead Load
LL : Roof Live Load
COLL : Roof Collateral Load
SNOW : Roof Snow Load
RBDWEQ : Downward Acting Rod Brace Load from Long. Seismic
EQ : Lateral Seismic Load [parallel to plane of frame]
RBUPEQ : Upward Acting Rod Brace Load from Long. Seismic
WL1 : Wind from Left to Right with +GCpi
WL2 : Wind from Left to Right with -GCpi
WL3 : Wind from Right to Left with +GCpi
WL4 : Wind from Right to Left with -GCpi
LWL1 : Windward Corner Left with +GCpi
RBUPLW : Upward Acting Rod Brace Load from Long. Wind
LWL2 : Windward Corner Right with +GCpi
LWL3 : Windward Corner Left with -GCpi
LWL4 : Windward Corner Right with -GCpi
SBAL : Code Calculated Balanced Roof Snow Load
RS : Unbalanced Right Roof Snow Load

SUPPORT REACTIONS FOR EACH LOAD GROUP
LOCATION:frame lines 3

REACTION NOTATIONS



LOAD GROUP REACTION TABLE

COLUMN	LEFT COLUMN			RIGHT COLUMN		
LOAD GROUP	H	V	L	H	V	L
LS	41.8	54.3	-0.0	-41.8	33.4	-0.0
RBDWLW	-0.3	16.7	-0.0	0.3	16.7	-0.0

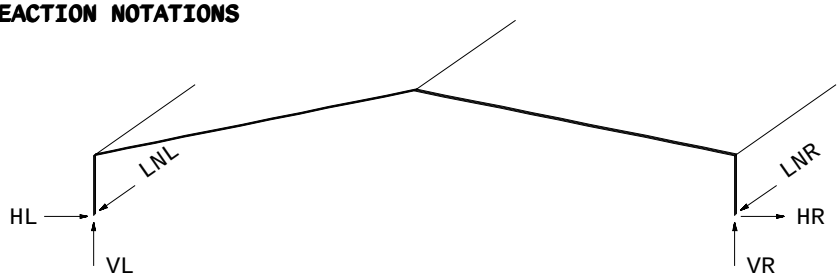
LOAD GROUP DESCRIPTION

LS : Unbalanced Left Roof Snow Load
RBDWLW : Downward Acting Rod Brace Load from Long. Wind

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MAX. SUPPORT REACTIONS FOR LOAD COMBINATIONS
LOCATION:frame lines 3

REACTION NOTATIONS



LOAD COMBINATION MAXIMUM REACTION TABLE

COLUMN	LEFT COLUMN			RIGHT COLUMN		
LOAD COMB	HL	VL	LNL	HR	VR	LNR
GRAVITY LOAD COMBINATION						
1	**92.6**	**110.1**	0.0	-89.0	109.1	0.0
15	10.5	9.3	**-4.4**	-10.3	9.3	**-4.4**
2	89.0	109.1	0.0	**-92.6**	**110.1**	0.0
WIND LOAD COMBINATION						
95	**72.0**	85.8	0.0	-65.7	90.4	0.0
29	**-27.6**	-31.5	0.0	17.4	-24.4	0.0
97	67.5	**91.0**	0.0	-69.3	85.2	0.0
33	-12.3	**-38.9**	**-8.7**	17.7	-32.0	**-8.7**
41	-17.4	-24.4	0.0	**27.6**	-31.5	0.0
98	65.7	90.4	0.0	**-72.0**	85.8	0.0
96	69.3	85.2	0.0	-67.5	**91.0**	0.0
35	-17.7	-32.0	-8.7	12.2	**-38.9**	-8.7
TRANSVERSE EARTHQUAKE LOAD COMBINATION						
13	**44.3**	**53.1**	0.0	-39.1	51.8	0.0
12	39.1	51.8	0.0	**-44.3**	**53.1**	0.0

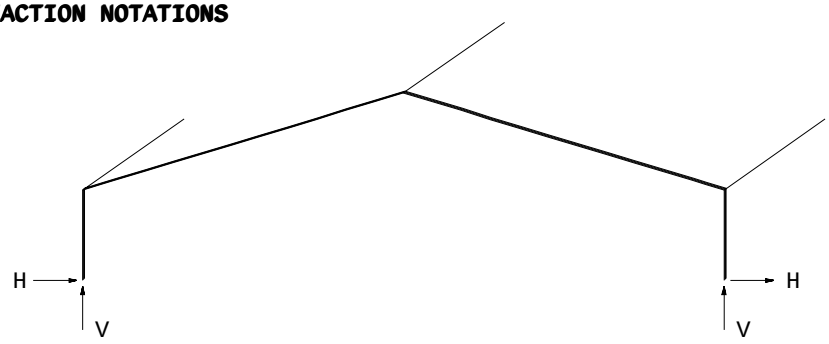
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LOAD COMBINATION DESCRIPTION

1 : DL +LL +COLL
2 : DL +LL +COLL
12 : DL +COLL +0.7EQ
13 : DL +COLL -0.7EQ
15 : 0.6DL +0.7RBUPEQ
29 : 0.6DL +0.6WL1
33 : 0.6DL +0.6LWL1 +0.6RBUPLW
35 : 0.6DL +0.6LWL2 +0.6RBUPLW
41 : 0.6DL +0.6WL3
95 : DL +0.75LL +COLL +0.45LWL3 +0.45RBDWLW
96 : DL +0.75LL +COLL +0.45LWL3 +0.45RBDWLW
97 : DL +0.75LL +COLL +0.45LWL4 +0.45RBDWLW
98 : DL +0.75LL +COLL +0.45LWL4 +0.45RBDWLW

SUPPORT REACTIONS FOR EACH LOAD GROUP
LOCATION:frame lines 4-9

REACTION NOTATIONS



LOAD GROUP REACTION TABLE

COLUMN	LEFT COLUMN			RIGHT COLUMN		
LOAD GROUP	H	V	L	H	V	L
DL	18.6	25.4	-0.0	-18.6	24.7	-0.0
LL	45.9	53.6	-0.0	-45.9	53.6	-0.0
COLL	23.0	26.8	-0.0	-23.0	26.8	-0.0
SNOW	44.2	51.6	-0.0	-44.2	51.6	-0.0
EQ	-3.1	-0.8	-0.0	-3.1	0.8	-0.0
WL1	-59.1	-71.5	-0.0	43.2	-60.5	-0.0
WL2	-39.6	-40.0	-0.0	23.7	-29.1	-0.0
LWL1	-35.5	-67.5	-0.0	44.0	-56.7	-0.0
LWL2	-44.0	-56.7	-0.0	35.6	-67.5	-0.0
LWL3	-16.0	-36.0	-0.0	24.5	-25.2	-0.0
LWL4	-24.5	-25.2	-0.0	16.1	-36.0	-0.0
WL3	-43.3	-60.5	-0.0	59.2	-71.5	-0.0
WL4	-23.8	-29.1	-0.0	39.7	-40.0	-0.0
SBAL	44.2	51.6	-0.0	-44.2	51.6	-0.0
RS	39.1	31.3	-0.0	-39.1	50.9	-0.0
LS	39.0	50.9	-0.0	-39.0	31.3	-0.0

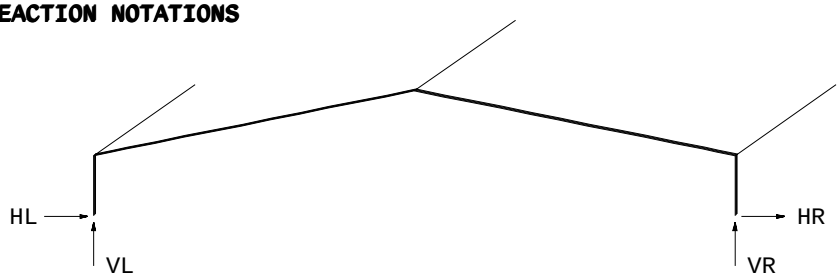
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LOAD GROUP DESCRIPTION

DL : Roof Dead Load
LL : Roof Live Load
COLL : Roof Collateral Load
SNOW : Roof Snow Load
EQ : Lateral Seismic Load [parallel to plane of frame]
WL1 : Wind from Left to Right with +GCpi
WL2 : Wind from Left to Right with -GCpi
LWL1 : Windward Corner Left with +GCpi
LWL2 : Windward Corner Right with +GCpi
LWL3 : Windward Corner Left with -GCpi
LWL4 : Windward Corner Right with -GCpi
WL3 : Wind from Right to Left with +GCpi
WL4 : Wind from Right to Left with -GCpi
SBAL : Code Calculated Balanced Roof Snow Load
RS : Unbalanced Right Roof Snow Load
LS : Unbalanced Left Roof Snow Load

MAX. SUPPORT REACTIONS FOR LOAD COMBINATIONS
LOCATION:frame lines 4-9

REACTION NOTATIONS



LOAD COMBINATION MAXIMUM REACTION TABLE

COLUMN	LEFT COLUMN			RIGHT COLUMN		
LOAD COMB	HL	VL	LNL	HR	VR	LNR
GRAVITY LOAD COMBINATION						
1	**89.2**	**106.2**	0.0	-85.8	104.6	0.0
2	85.8	105.3	0.0	**-89.2**	**105.5**	0.0
WIND LOAD COMBINATION						
75	**70.0**	76.4	0.0	-64.2	80.1	0.0
33	**-24.3**	**-27.7**	0.0	14.8	-21.5	0.0
77	65.8	**81.2**	0.0	-67.6	75.2	0.0
45	-14.8	-21.1	0.0	**24.4**	**-28.1**	0.0
78	64.2	80.7	0.0	**-69.9**	75.8	0.0
76	67.7	75.9	0.0	-65.8	**80.6**	0.0
TRANSVERSE EARTHQUAKE LOAD COMBINATION						
11	**44.2**	**52.8**	0.0	-39.1	50.9	0.0
10	39.0	51.5	0.0	**-44.2**	**52.2**	0.0

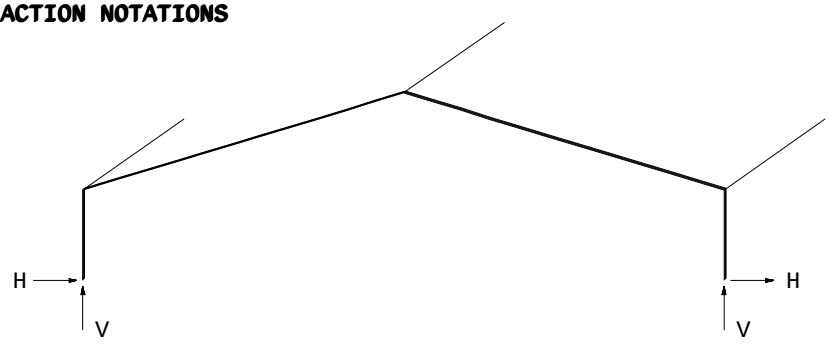
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LOAD COMBINATION DESCRIPTION

1 : DL +LL +COLL
2 : DL +LL +COLL
10 : DL +COLL +0.7EQ
11 : DL +COLL -0.7EQ
33 : 0.6DL +0.6WL1
45 : 0.6DL +0.6WL3
75 : DL +0.75LL +COLL +0.45LWL3
76 : DL +0.75LL +COLL +0.45LWL3
77 : DL +0.75LL +COLL +0.45LWL4
78 : DL +0.75LL +COLL +0.45LWL4

SUPPORT REACTIONS FOR EACH LOAD GROUP
LOCATION:frame lines 10

REACTION NOTATIONS



LOAD GROUP REACTION TABLE

COLUMN	LEFT COLUMN			RIGHT COLUMN		
LOAD GROUP	H	V	L	H	V	L
DL	16.5	22.8	-0.0	-16.5	23.0	-0.0
LL	44.0	51.2	-0.0	-44.0	51.2	-0.0
COLL	22.0	25.6	-0.0	-22.0	25.6	-0.0
MD	-0.6	14.7	-0.0	0.6	15.3	-0.0
SNOW	42.4	49.3	-0.0	-42.4	49.3	-0.0
ML	-0.8	20.6	-0.0	0.8	21.4	-0.0
EQ	-8.7	-1.8	-0.0	-8.8	1.8	-0.0
WL1	-56.6	-68.4	-0.0	41.4	-57.9	-0.0
WL2	-38.0	-38.3	-0.0	22.7	-27.8	-0.0
LWL1	-34.0	-64.6	-0.0	42.1	-54.3	-0.0
LWL2	-42.2	-54.3	-0.0	34.1	-64.6	-0.0
LWL3	-15.3	-34.4	-0.0	23.4	-24.2	-0.0
LWL4	-23.5	-24.1	-0.0	15.4	-34.4	-0.0
WL3	-41.4	-57.9	-0.0	56.7	-68.5	-0.0
WL4	-22.8	-27.8	-0.0	38.0	-38.3	-0.0
SBAL	42.4	49.3	-0.0	-42.4	49.3	-0.0
RS	37.5	29.9	-0.0	-37.5	48.7	-0.0
LS	37.4	48.7	-0.0	-37.4	29.9	-0.0

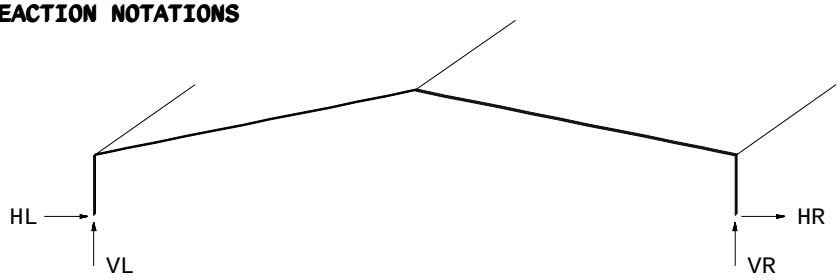
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LOAD GROUP DESCRIPTION

DL : Roof Dead Load
LL : Roof Live Load
COLL : Roof Collateral Load
MD : Mezzanine Dead Load
SNOW : Roof Snow Load
ML : Mezzanine Live Load
EQ : Lateral Seismic Load [parallel to plane of frame]
WL1 : Wind from Left to Right with +GCpi
WL2 : Wind from Left to Right with -GCpi
LWL1 : Windward Corner Left with +GCpi
LWL2 : Windward Corner Right with +GCpi
LWL3 : Windward Corner Left with -GCpi
LWL4 : Windward Corner Right with -GCpi
WL3 : Wind from Right to Left with +GCpi
WL4 : Wind from Right to Left with -GCpi
SBAL : Code Calculated Balanced Roof Snow Load
RS : Unbalanced Right Roof Snow Load
LS : Unbalanced Left Roof Snow Load

MAX. SUPPORT REACTIONS FOR LOAD COMBINATIONS
LOCATION:frame lines 10

REACTION NOTATIONS



LOAD COMBINATION MAXIMUM REACTION TABLE

COLUMN	LEFT COLUMN			RIGHT COLUMN		
LOAD COMB	HL	VL	LNL	HR	VR	LNR
GRAVITY LOAD COMBINATION						
1	**84.1**	100.1	0.0	-81.0	99.5	0.0
11	72.1	**117.4**	0.0	-68.4	118.0	0.0
2	80.9	99.2	0.0	**-84.1**	100.3	0.0
12	68.6	116.6	0.0	-72.3	**118.8**	0.0
WIND LOAD COMBINATION						
129	**65.7**	71.6	0.0	-60.2	76.0	0.0
51	**-24.1**	**-27.4**	0.0	14.9	-21.0	0.0
163	60.9	**106.5**	0.0	-61.5	102.6	0.0
63	-15.0	-21.1	0.0	**24.1**	**-27.3**	0.0
132	60.2	75.7	0.0	**-65.6**	71.8	0.0
162	61.8	101.2	0.0	-61.0	**107.8**	0.0
TRANSVERSE EARTHQUAKE LOAD COMBINATION						
21	**44.8**	64.5	0.0	-31.3	62.5	0.0
29	42.7	**79.7**	0.0	-32.1	78.9	0.0
20	31.3	61.7	0.0	**-44.9**	65.4	0.0
28	32.1	77.4	0.0	-43.0	**81.1**	0.0

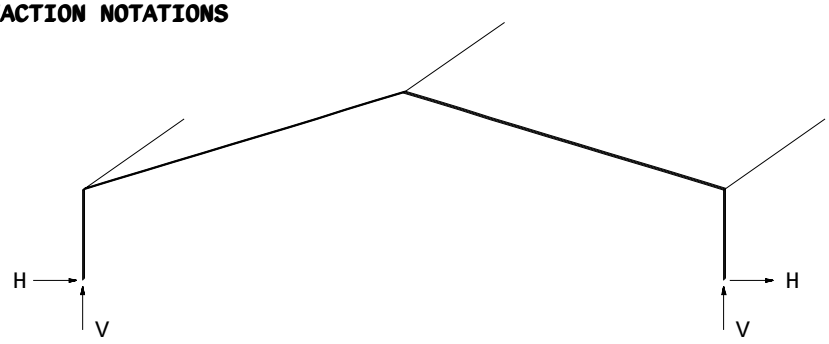
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LOAD COMBINATION DESCRIPTION

1 : DL +LL +COLL
2 : DL +LL +COLL
11 : DL +0.75LL +COLL +MD +0.75ML
12 : DL +0.75LL +COLL +MD +0.75ML
20 : DL +COLL +0.7EQ +MD
21 : DL +COLL -0.7EQ +MD
28 : DL +COLL +0.525EQ +MD +0.75ML
29 : DL +COLL -0.525EQ +MD +0.75ML
51 : 0.6DL +0.6WL1
63 : 0.6DL +0.6WL3
129 : DL +0.75LL +COLL +0.45LWL3
132 : DL +0.75LL +COLL +0.45LWL4
162 : DL +0.75LL +COLL +0.45LWL3 +MD +0.75ML
163 : DL +0.75LL +COLL +0.45LWL4 +MD +0.75ML

SUPPORT REACTIONS FOR EACH LOAD GROUP
LOCATION:frame lines 11

REACTION NOTATIONS



LOAD GROUP REACTION TABLE

COLUMN	LEFT COLUMN			RIGHT COLUMN		
LOAD GROUP	H	V	L	H	V	L
DL	16.8	23.3	-0.0	-16.8	23.3	-0.0
LL	48.3	56.2	-0.0	-48.3	56.2	-0.0
COLL	24.1	28.1	-0.0	-24.1	28.1	-0.0
MD	0.0	16.0	-0.0	-0.0	0.0	-0.0
SNOW	46.5	54.1	-0.0	-46.5	54.1	-0.0
ML	0.0	21.0	-0.0	-0.0	0.0	-0.0
EQ	-11.0	-1.8	-0.0	-6.2	1.8	-0.0
WL1	-87.5	-105.9	-0.0	64.0	-86.2	-0.0
WL2	-67.1	-72.8	-0.0	43.6	-53.1	-0.0
LWL1	-53.7	-99.6	-0.0	68.7	-80.5	-0.0
LWL2	-68.7	-80.5	-0.0	53.7	-99.6	-0.0
LWL3	-33.3	-66.5	-0.0	48.3	-47.4	-0.0
LWL4	-48.3	-47.4	-0.0	33.3	-66.5	-0.0
WL3	-64.0	-86.2	-0.0	87.5	-105.9	-0.0
WL4	-43.6	-53.1	-0.0	67.1	-72.8	-0.0
SBAL	46.5	54.1	-0.0	-46.5	54.1	-0.0
RS	41.1	32.9	-0.0	-41.1	53.5	-0.0
LS	41.1	53.5	-0.0	-41.1	32.9	-0.0

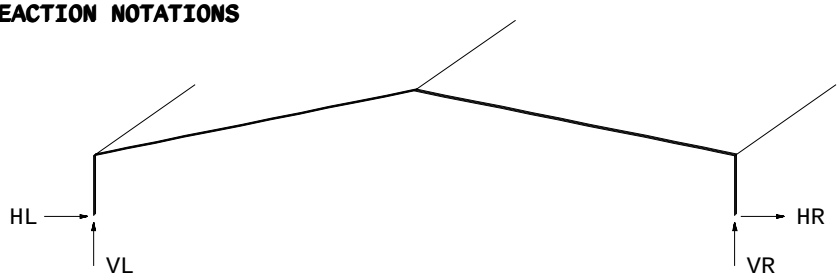
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LOAD GROUP DESCRIPTION

DL : Roof Dead Load
LL : Roof Live Load
COLL : Roof Collateral Load
MD : Mezzanine Dead Load
SNOW : Roof Snow Load
ML : Mezzanine Live Load
EQ : Lateral Seismic Load [parallel to plane of frame]
WL1 : Wind from Left to Right with +GCpi
WL2 : Wind from Left to Right with -GCpi
LWL1 : Windward Corner Left with +GCpi
LWL2 : Windward Corner Right with +GCpi
LWL3 : Windward Corner Left with -GCpi
LWL4 : Windward Corner Right with -GCpi
WL3 : Wind from Right to Left with +GCpi
WL4 : Wind from Right to Left with -GCpi
SBAL : Code Calculated Balanced Roof Snow Load
RS : Unbalanced Right Roof Snow Load
LS : Unbalanced Left Roof Snow Load

MAX. SUPPORT REACTIONS FOR LOAD COMBINATIONS
LOCATION:frame lines 11

REACTION NOTATIONS



LOAD COMBINATION MAXIMUM REACTION TABLE

COLUMN	LEFT COLUMN			RIGHT COLUMN		
LOAD COMB	HL	VL	LNL	HR	VR	LNR
GRAVITY LOAD COMBINATION						
3	**91.3**	124.2	0.0	-87.4	107.2	0.0
11	79.0	**125.8**	0.0	-75.7	93.2	0.0
4	87.1	123.2	0.0	**-91.1**	**108.2**	0.0
WIND LOAD COMBINATION						
161	**64.1**	95.7	0.0	-54.6	72.0	0.0
51	**-42.4**	**-49.5**	0.0	28.3	-37.7	0.0
163	56.4	**104.3**	0.0	-61.0	63.4	0.0
63	-28.3	-37.7	0.0	**42.4**	**-49.5**	0.0
164	54.5	103.7	0.0	**-63.4**	64.0	0.0
162	60.3	95.1	0.0	-56.3	**72.6**	0.0
TRANSVERSE EARTHQUAKE LOAD COMBINATION						
21	**49.4**	68.9	0.0	-36.1	50.0	0.0
29	47.6	**84.3**	0.0	-37.2	50.3	0.0
20	32.8	66.0	0.0	**-45.9**	**52.9**	0.0

Preliminary
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LOAD COMBINATION DESCRIPTION

3 : DL +LL +COLL +MD
4 : DL +LL +COLL +MD
11 : DL +0.75LL +COLL +MD +0.75ML
20 : DL +COLL +0.7EQ +MD
21 : DL +COLL -0.7EQ +MD
29 : DL +COLL -0.525EQ +MD +0.75ML
51 : 0.6DL +0.6WL1
63 : 0.6DL +0.6WL3
161 : DL +0.75LL +COLL +0.45LWL3 +MD +0.75ML
162 : DL +0.75LL +COLL +0.45LWL3 +MD +0.75ML
163 : DL +0.75LL +COLL +0.45LWL4 +MD +0.75ML
164 : DL +0.75LL +COLL +0.45LWL4 +MD +0.75ML