

**Table 30.7-2**  
**Components and Cladding – Part 4**  
**Exposure C**

**C & C**  
**V = 110-120 mph**  
**h = 15-80 ft.**

V (MPH)		Load Case	110					115					120				
h (ft)	Roof Form		1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
80	Flat Roof	1	-50.2	-78.8	-107.5	-34.3	-63.0	-54.9	-86.2	-117.5	-37.5	-68.8	-59.8	-93.8	-127.9	-40.9	-74.9
		2	NA	NA	NA	34.3	34.3	NA	NA	NA	37.5	37.5	NA	NA	NA	40.9	40.9
	Gable Roof	1	-37.5	-63.0	-94.7	-40.7	-63.0	-41.0	-68.8	-103.6	-44.5	-68.8	-44.6	-74.9	-112.8	-48.4	-74.9
		2	21.6	21.6	21.6	37.5	34.3	23.6	23.6	23.6	41.0	37.5	25.7	25.7	25.7	44.6	40.9
	Mansard Roof	1	-34.3	-59.8	-88.4	-40.7	-63.0	-37.5	-65.3	-96.6	-44.5	-68.8	-40.9	-71.1	-105.2	-48.4	-74.9
		2	21.6	21.6	21.6	37.5	34.3	23.6	23.6	23.6	41.0	37.5	25.7	25.7	25.7	44.6	40.9
	Hip Roof	1	-43.9	-56.6	-97.9	-40.7	-63.0	-48.0	-61.9	-107.0	-44.5	-68.8	-52.2	-67.4	-116.5	-48.4	-74.9
		2	18.4	18.4	18.4	37.5	37.5	20.2	20.2	20.2	41.0	41.0	21.9	21.9	21.9	44.6	44.6
	Monoslope Roof	1	-43.9	-56.6	-97.9	-40.7	-63.0	-48.0	-61.9	-107.0	-44.5	-68.8	-52.2	-67.4	-116.5	-48.4	-74.9
		2	18.4	18.4	18.4	37.5	37.5	20.2	20.2	20.2	41.0	41.0	21.9	21.9	21.9	44.6	44.6
70	Flat Roof	1	-48.8	-76.7	-104.5	-33.4	-61.2	-53.4	-83.8	-114.2	-36.5	-66.9	-58.1	-91.2	-124.3	-39.7	-72.8
		2	NA	NA	NA	33.4	33.4	NA	NA	NA	36.5	36.5	NA	NA	NA	39.7	39.7
	Gable Roof	1	-36.5	-61.2	-92.1	-39.6	-61.2	-39.9	-66.9	-100.7	-43.2	-66.9	-43.4	-72.8	-109.6	-47.1	-72.8
		2	21.0	21.0	21.0	36.5	33.4	23.0	23.0	23.0	39.9	36.5	25.0	25.0	25.0	43.4	39.7
	Mansard Roof	1	-33.4	-58.1	-85.9	-39.6	-61.2	-36.5	-63.5	-93.9	-43.2	-66.9	-39.7	-69.2	-102.3	-47.1	-72.8
		2	21.0	21.0	21.0	36.5	33.4	23.0	23.0	23.0	39.9	36.5	25.0	25.0	25.0	43.4	39.7
	Hip Roof	1	-42.7	-55.0	-95.2	-39.6	-61.2	-46.6	-60.1	-104.1	-43.2	-66.9	-50.8	-65.5	-113.3	-47.1	-72.8
		2	17.9	17.9	17.9	36.5	36.5	19.6	19.6	19.6	39.9	39.9	21.3	21.3	21.3	43.4	43.4
	Monoslope Roof	1	-42.7	-55.0	-95.2	-39.6	-61.2	-46.6	-60.1	-104.1	-43.2	-66.9	-50.8	-65.5	-113.3	-47.1	-72.8
		2	17.9	17.9	17.9	36.5	36.5	19.6	19.6	19.6	39.9	39.9	21.3	21.3	21.3	43.4	43.4
60	Flat Roof	1	-47.3	-74.2	-101.1	-32.3	-59.3	-51.7	-81.1	-110.6	-35.3	-64.8	-56.3	-88.3	-120.4	-38.5	-70.5
		2	NA	NA	NA	32.3	32.3	NA	NA	NA	35.3	35.3	NA	NA	NA	38.5	38.5
	Gable Roof	1	-35.3	-59.3	-89.2	-38.3	-59.3	-38.6	-64.8	-97.5	-41.9	-64.8	-42.0	-70.5	-106.1	-45.6	-70.5
		2	20.3	20.3	20.3	35.3	32.3	22.2	22.2	22.2	38.6	35.3	24.2	24.2	24.2	42.0	38.5
	Mansard Roof	1	-32.3	-56.3	-83.2	-38.3	-59.3	-35.3	-61.5	-90.9	-41.9	-64.8	-38.5	-67.0	-99.0	-45.6	-70.5
		2	20.3	20.3	20.3	35.3	32.3	22.2	22.2	22.2	38.6	35.3	24.2	24.2	24.2	42.0	38.5
	Hip Roof	1	-41.3	-53.3	-92.2	-38.3	-59.3	-45.1	-58.2	-100.7	-41.9	-64.8	-49.1	-63.4	-109.7	-45.6	-70.5
		2	17.4	17.4	17.4	35.3	35.3	19.0	19.0	19.0	38.6	38.6	20.7	20.7	20.7	42.0	42.0
	Monoslope Roof	1	-41.3	-53.3	-92.2	-38.3	-59.3	-45.1	-58.2	-100.7	-41.9	-64.8	-49.1	-63.4	-109.7	-45.6	-70.5
		2	17.4	17.4	17.4	35.3	35.3	19.0	19.0	19.0	38.6	38.6	20.7	20.7	20.7	42.0	42.0
50	Flat Roof	1	-45.5	-71.4	-97.3	-31.1	-57.0	-49.7	-78.1	-106.4	-34.0	-62.3	-54.2	-85.0	-115.8	-37.0	-67.9
		2	NA	NA	NA	31.1	31.1	NA	NA	NA	34.0	34.0	NA	NA	NA	37.0	37.0
	Gable Roof	1	-34.0	-57.0	-85.8	-36.9	-57.0	-37.1	-62.3	-93.8	-40.3	-62.3	-40.4	-67.9	-102.1	-43.9	-67.9
		2	19.6	19.6	19.6	34.0	31.1	21.4	21.4	21.4	37.1	34.0	23.3	23.3	23.3	40.4	37.0
	Mansard Roof	1	-31.1	-54.1	-80.1	-36.9	-57.0	-34.0	-59.2	-87.5	-40.3	-62.3	-37.0	-64.4	-95.3	-43.9	-67.9
		2	19.6	19.6	19.6	34.0	31.1	21.4	21.4	21.4	37.1	34.0	23.3	23.3	23.3	40.4	37.0
	Hip Roof	1	-39.7	-51.3	-88.7	-36.9	-57.0	-43.4	-56.0	-96.9	-40.3	-62.3	-47.3	-61.0	-105.6	-43.9	-67.9
		2	16.7	16.7	16.7	34.0	34.0	18.3	18.3	18.3	37.1	37.1	19.9	19.9	19.9	40.4	40.4
	Monoslope Roof	1	-39.7	-51.3	-88.7	-36.9	-57.0	-43.4	-56.0	-96.9	-40.3	-62.3	-47.3	-61.0	-105.6	-43.9	-67.9
		2	16.7	16.7	16.7	34.0	34.0	18.3	18.3	18.3	37.1	37.1	19.9	19.9	19.9	40.4	40.4
40	Flat Roof	1	-43.4	-68.1	-92.9	-29.7	-54.4	-47.5	-74.5	-101.5	-32.4	-59.5	-51.7	-81.1	-110.5	-35.3	-64.7
		2	NA	NA	NA	29.7	29.7	NA	NA	NA	32.4	32.4	NA	NA	NA	35.3	35.3
	Gable Roof	1	-32.4	-54.4	-81.9	-35.2	-54.4	-35.4	-59.5	-89.5	-38.4	-59.5	-38.6	-64.7	-97.4	-41.9	-64.7
		2	18.7	18.7	18.7	32.4	29.7	20.4	20.4	20.4	35.4	32.4	22.2	22.2	22.2	38.6	35.3
	Mansard Roof	1	-29.7	-51.7	-76.4	-35.2	-54.4	-32.4	-56.5	-83.5	-38.4	-59.5	-35.3	-61.5	-90.9	-41.9	-64.7
		2	18.7	18.7	18.7	32.4	29.7	20.4	20.4	20.4	35.4	32.4	22.2	22.2	22.2	38.6	35.3
	Hip Roof	1	-37.9	-48.9	-84.6	-35.2	-54.4	-41.4	-53.5	-92.5	-38.4	-59.5	-45.1	-58.2	-100.7	-41.9	-64.7
		2	15.9	15.9	15.9	32.4	32.4	17.4	17.4	17.4	35.4	35.4	19.0	19.0	19.0	38.6	38.6
	Monoslope Roof	1	-37.9	-48.9	-84.6	-35.2	-54.4	-41.4	-53.5	-92.5	-38.4	-59.5	-45.1	-58.2	-100.7	-41.9	-64.7
		2	15.9	15.9	15.9	32.4	32.4	17.4	17.4	17.4	35.4	35.4	19.0	19.0	19.0	38.6	38.6
30	Flat Roof	1	-40.9	-64.1	-87.4	-27.9	-51.2	-44.7	-70.1	-95.5	-30.5	-56.0	-48.6	-76.3	-104.0	-33.2	-60.9
		2	NA	NA	NA	27.9	27.9	NA	NA	NA	30.5	30.5	NA	NA	NA	33.2	33.2
	Gable Roof	1	-30.5	-51.2	-77.1	-33.1	-51.2	-33.4	-56.0	-84.2	-36.2	-56.0	-36.3	-60.9	-91.7	-39.4	-60.9
		2	17.6	17.6	17.6	30.5	27.9	19.2	19.2	19.2	33.4	30.5	20.9	20.9	20.9	36.3	33.2
	Mansard Roof	1	-27.9	-48.6	-71.9	-33.1	-51.2	-30.5	-53.1	-78.6	-36.2	-56.0	-33.2	-57.9	-85.6	-39.4	-60.9
		2	17.6	17.6	17.6	30.5	27.9	19.2	19.2	19.2	33.4	30.5	20.9	20.9	20.9	36.3	33.2
	Hip Roof	1	-35.7	-46.0	-79.7	-33.1	-51.2	-39.0	-50.3	-87.1	-36.2	-56.0	-42.5	-54.8	-94.8	-39.4	-60.9
		2	15.0	15.0	15.0	30.5	30.5	16.4	16.4	16.4	33.4	33.4	17.9	17.9	17.9	36.3	36.3
	Monoslope Roof	1	-35.7	-46.0	-79.7	-33.1	-51.2	-39.0	-50.3	-87.1	-36.2	-56.0	-42.5	-54.8	-94.8	-39.4	-60.9
		2	15.0	15.0	15.0	30.5	30.5	16.4	16.4	16.4	33.4	33.4	17.9	17.9	17.9	36.3	36.3
20	Flat Roof	1	-37.5	-58.9	-80.3	-25.6	-47.0	-41.0	-64.4	-87.7	-28.0	-51.4	-44.7	-70.1	-95.5	-30.5	-56.0
		2	NA	NA	NA	25.6	25.6	NA	NA	NA	28.0	28.0	NA	NA	NA	30.5	30.5
	Gable Roof	1	-28.0	-47.0	-70.8	-30.4	-47.0	-30.6	-51.4	-77.3	-33.2	-51.4	-33.3	-56.0	-84.2	-36.2	-56.0
		2	16.1	16.1	16.1	28.0	25.6	17.6	17.6	17.6	30.6	28.0	19.2	19.2	19.2	33.3	30.5
	Mansard Roof	1	-25.6	-44.6	-66.0	-30.4	-47.0	-28.0	-48.8	-72.2	-33.2	-51.4	-30.5	-53.1	-78.6	-36.2	-56.0
		2	16.1	16.1	16.1	28.0	25.6	17.6	17.6	17.6	30.6	28.0	19.2	19.2	19.2	33.3	30.5
	Hip Roof	1	-32.8	-42.3	-73.1	-30.4	-47.0	-35.8	-46.2	-79.9	-33.2	-51.4	-39.0	-50.3	-87.0	-36.2	-56.0
		2	13.8	13.8	13.8	28.0	28.0	15.1	15.1	15.1	30.6	30.6	16.4	16.4	16.4	33.3	33.3
	Monoslope Roof	1	-32.8	-42.3	-73.1	-30.4	-47.0	-35.8	-46.2	-79.9	-33.2	-51.4	-39.0	-50.3	-87.0	-36.2	-56.0
		2	13.8	13.8	13.8	28.0	28.0	15.1	15.1	15.1	30.6	30.6	16.4	16.4	16.4	33.3	33.3
15	Flat Roof	1	-35.3	-55.4	-75.5	-24.1	-44.3	-38.6	-60.6	-82.6	-26.4	-48.4	-42.0	-66.0	-89.9	-28.7	-52.7
		2	NA	NA	NA	24.1	24.1	NA	NA	NA	26.4	26.4	NA	NA	NA	28.7	28.7
	Gable Roof	1	-26.4	-44.3	-66.6	-28.6	-44.3	-28.8	-48.4	-72.8	-31.3	-48.4	-31.4	-52.7	-79.3	-34.0	-52.7
		2	15.2	15.2	15.2	26.4	24.1	16.6	16.6	16.6	28.8	26.4	18.1	18.1	18.1	31.4	28.7
	Mansard Roof	1	-24.1	-42.0	-62.1	-28.6	-44.3	-26.4	-45.9	-67.9	-31.3	-48.4	-28.7	-50.0	-73.9	-34.0	-52.7
		2	15.2	15.2	15.2	26.4	24.1	16.6	16.6	16.6	28.8	26.4	18.1	18.1	18.1	31.4	28.7
	Hip Roof	1	-30.8	-39.8	-68.8	-28.6	-44.3	-33.7	-43.5	-75.2	-31.3	-48.4	-36.7	-47.3	-81.9	-34.0	-52.7
		2	13.0	13.0	13.0	26.4	26.4	14.2	14.2	14.2	28.8	28.8	15.4	15.4	15.4	31.4	31.4
	Monoslope Roof	1	-30.8	-39.8	-68.8	-28.6	-44.3	-33.7	-43.5	-75.2	-31.3	-48.4	-36.7	-47.3	-81.9	-34.0	-52.7
		2	13.0	13.0	13.0	26.4	26.4	14.2									