

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

C & C
V = 110-120 mph
h = 90-160 ft.

V (MPH)		110					115					120					
h (ft)	Roof Form	Load Case	Zone					Zone					Zone				
			1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
160	Flat Roof	1	-58.1	-91.2	-124.3	-39.7	-72.8	-63.5	-99.7	-135.9	-43.4	-79.6	-69.2	-108.6	-148.0	-47.3	-86.7
		2	NA	NA	NA	39.7	39.7	NA	NA	NA	43.4	43.4	NA	NA	NA	47.3	47.3
	Gable Roof	1	-43.4	-72.8	-109.6	-47.1	-72.8	-47.4	-79.6	-119.8	-51.5	-79.6	-51.7	-86.7	-130.5	-56.0	-86.7
		2	25.0	25.0	25.0	43.4	39.7	27.3	27.3	27.3	47.4	43.4	29.8	29.8	29.8	51.7	47.3
	Hip Roof	1	-39.7	-69.2	-102.3	-47.1	-72.8	-43.4	-75.6	-111.8	-51.5	-79.6	-47.3	-82.3	-121.7	-56.0	-86.7
		2	25.0	25.0	25.0	43.4	39.7	27.3	27.3	27.3	47.4	43.4	29.8	29.8	29.8	51.7	47.3
Monoslope Roof	1	-50.8	-65.5	-113.3	-47.1	-72.8	-55.5	-71.6	-123.8	-51.5	-79.6	-60.4	-77.9	-134.8	-56.0	-86.7	
	2	21.3	21.3	21.3	43.4	43.4	23.3	23.3	23.3	47.4	47.4	25.4	25.4	25.4	51.7	51.7	
150	Flat Roof	1	-57.3	-90.0	-122.7	-39.2	-71.9	-62.7	-98.4	-134.1	-42.8	-78.5	-68.2	-107.1	-146.0	-46.6	-85.5
		2	NA	NA	NA	39.2	39.2	NA	NA	NA	42.8	42.8	NA	NA	NA	46.6	46.6
	Gable Roof	1	-42.8	-71.9	-108.2	-46.5	-71.9	-46.8	-78.5	-118.2	-50.8	-78.5	-51.0	-85.5	-128.7	-55.3	-85.5
		2	24.7	24.7	24.7	42.8	39.2	27.0	27.0	27.0	46.8	42.8	29.4	29.4	29.4	51.0	46.6
	Hip Roof	1	-39.2	-68.2	-100.9	-46.5	-71.9	-42.8	-74.6	-110.3	-50.8	-78.5	-46.6	-81.2	-120.1	-55.3	-85.5
		2	24.7	24.7	24.7	42.8	39.2	27.0	27.0	27.0	46.8	42.8	29.4	29.4	29.4	51.0	46.6
Monoslope Roof	1	-50.1	-64.6	-111.8	-46.5	-71.9	-54.7	-70.6	-122.2	-50.8	-78.5	-59.6	-76.9	-133.0	-55.3	-85.5	
	2	21.0	21.0	21.0	42.8	42.8	23.0	23.0	23.0	46.8	46.8	25.1	25.1	25.1	51.0	51.0	
140	Flat Roof	1	-56.5	-88.7	-120.9	-38.6	-70.8	-61.8	-97.0	-132.1	-42.2	-77.4	-67.3	-105.6	-143.9	-46.0	-84.3
		2	NA	NA	NA	38.6	38.6	NA	NA	NA	42.2	42.2	NA	NA	NA	46.0	46.0
	Gable Roof	1	-42.2	-70.8	-106.6	-45.8	-70.8	-46.1	-77.4	-116.5	-50.0	-77.4	-50.2	-84.3	-126.9	-54.5	-84.3
		2	24.3	24.3	24.3	42.2	38.6	26.6	26.6	26.6	46.1	42.2	28.9	28.9	28.9	50.2	46.0
	Hip Roof	1	-38.6	-67.2	-99.4	-45.8	-70.8	-42.2	-73.5	-108.7	-50.0	-77.4	-46.0	-80.0	-118.3	-54.5	-84.3
		2	24.3	24.3	24.3	42.2	38.6	26.6	26.6	26.6	46.1	42.2	28.9	28.9	28.9	50.2	46.0
Monoslope Roof	1	-49.4	-63.7	-110.2	-45.8	-70.8	-54.0	-69.6	-120.4	-50.0	-77.4	-58.7	-75.8	-131.1	-54.5	-84.3	
	2	20.7	20.7	20.7	42.2	42.2	22.7	22.7	22.7	46.1	46.1	24.7	24.7	24.7	50.2	50.2	
130	Flat Roof	1	-55.6	-87.3	-119.0	-38.0	-69.7	-60.8	-95.5	-130.1	-41.6	-76.2	-66.2	-103.9	-141.7	-45.3	-83.0
		2	NA	NA	NA	38.0	38.0	NA	NA	NA	41.6	41.6	NA	NA	NA	45.3	45.3
	Gable Roof	1	-41.6	-69.7	-104.9	-45.1	-69.7	-45.4	-76.2	-114.7	-49.3	-76.2	-49.5	-83.0	-124.9	-53.6	-83.0
		2	23.9	23.9	23.9	41.6	38.0	26.2	26.2	26.2	45.4	41.6	28.5	28.5	28.5	49.5	45.3
	Hip Roof	1	-38.0	-66.2	-97.9	-45.1	-69.7	-41.6	-72.4	-107.0	-49.3	-76.2	-45.3	-78.8	-116.5	-53.6	-83.0
		2	23.9	23.9	23.9	41.6	38.0	26.2	26.2	26.2	45.4	41.6	28.5	28.5	28.5	49.5	45.3
Monoslope Roof	1	-48.6	-62.7	-108.5	-45.1	-69.7	-53.1	-68.5	-118.5	-49.3	-76.2	-57.8	-74.6	-129.1	-53.6	-83.0	
	2	20.4	20.4	20.4	41.6	41.6	22.3	22.3	22.3	45.4	45.4	24.3	24.3	24.3	49.5	49.5	
120	Flat Roof	1	-54.7	-85.9	-117.0	-37.4	-68.6	-59.8	-93.9	-127.9	-40.9	-74.9	-65.1	-102.2	-139.3	-44.5	-81.6
		2	NA	NA	NA	37.4	37.4	NA	NA	NA	40.9	40.9	NA	NA	NA	44.5	44.5
	Gable Roof	1	-40.9	-68.6	-103.2	-44.3	-68.6	-44.7	-74.9	-112.8	-48.4	-74.9	-48.6	-81.6	-122.8	-52.7	-81.6
		2	23.5	23.5	23.5	40.9	37.4	25.7	25.7	25.7	44.7	40.9	28.0	28.0	28.0	48.6	44.5
	Hip Roof	1	-37.4	-65.1	-96.3	-44.3	-68.6	-40.9	-71.2	-105.2	-48.4	-74.9	-44.5	-77.5	-114.6	-52.7	-81.6
		2	23.5	23.5	23.5	40.9	37.4	25.7	25.7	25.7	44.7	40.9	28.0	28.0	28.0	48.6	44.5
Monoslope Roof	1	-47.8	-61.6	-106.7	-44.3	-68.6	-52.2	-67.4	-116.6	-48.4	-74.9	-56.9	-73.4	-126.9	-52.7	-81.6	
	2	20.1	20.1	20.1	40.9	40.9	22.0	22.0	22.0	44.7	44.7	23.9	23.9	23.9	48.6	48.6	
110	Flat Roof	1	-53.7	-84.3	-114.9	-36.7	-67.3	-58.7	-92.2	-125.6	-40.1	-73.6	-63.9	-100.3	-136.8	-43.7	-80.1
		2	NA	NA	NA	36.7	36.7	NA	NA	NA	40.1	40.1	NA	NA	NA	43.7	43.7
	Gable Roof	1	-40.1	-67.3	-101.3	-43.5	-67.3	-43.8	-73.6	-110.7	-47.6	-73.6	-47.7	-80.1	-120.6	-51.8	-80.1
		2	23.1	23.1	23.1	40.1	36.7	25.3	25.3	25.3	43.8	40.1	27.5	27.5	27.5	47.7	43.7
	Hip Roof	1	-36.7	-63.9	-94.5	-43.5	-67.3	-40.1	-69.9	-103.3	-47.6	-73.6	-43.7	-76.1	-112.5	-51.8	-80.1
		2	23.1	23.1	23.1	40.1	36.7	25.3	25.3	25.3	43.8	40.1	27.5	27.5	27.5	47.7	43.7
Monoslope Roof	1	-46.9	-60.5	-104.7	-43.5	-67.3	-51.3	-66.1	-114.5	-47.6	-73.6	-55.8	-72.0	-124.6	-51.8	-80.1	
	2	19.7	19.7	19.7	40.1	40.1	21.6	21.6	21.6	43.8	43.8	23.5	23.5	23.5	47.7	47.7	
100	Flat Roof	1	-52.7	-82.6	-112.6	-36.0	-66.0	-57.5	-90.3	-123.1	-39.3	-72.1	-62.7	-98.4	-134.0	-42.8	-78.5
		2	NA	NA	NA	36.0	36.0	NA	NA	NA	39.3	39.3	NA	NA	NA	42.8	42.8
	Gable Roof	1	-39.3	-66.0	-99.3	-42.7	-66.0	-43.0	-72.1	-108.5	-46.6	-72.1	-46.8	-78.5	-118.2	-50.8	-78.5
		2	22.7	22.7	22.7	39.3	36.0	24.8	24.8	24.8	43.0	39.3	27.0	27.0	27.0	46.8	42.8
	Hip Roof	1	-36.0	-62.6	-92.6	-42.7	-66.0	-39.3	-68.5	-101.3	-46.6	-72.1	-42.8	-74.6	-110.2	-50.8	-78.5
		2	22.7	22.7	22.7	39.3	36.0	24.8	24.8	24.8	43.0	39.3	27.0	27.0	27.0	46.8	42.8
Monoslope Roof	1	-46.0	-59.3	-102.6	-42.7	-66.0	-50.3	-64.8	-112.2	-46.6	-72.1	-54.7	-70.6	-122.1	-50.8	-78.5	
	2	19.3	19.3	19.3	39.3	39.3	21.1	21.1	21.1	43.0	43.0	23.0	23.0	23.0	46.8	46.8	
90	Flat Roof	1	-51.5	-80.8	-110.2	-35.2	-64.5	-56.3	-88.3	-120.4	-38.5	-70.5	-61.3	-96.2	-131.1	-41.9	-76.8
		2	NA	NA	NA	35.2	35.2	NA	NA	NA	38.5	38.5	NA	NA	NA	41.9	41.9
	Gable Roof	1	-38.5	-64.5	-97.1	-41.7	-64.5	-42.0	-70.5	-106.2	-45.6	-70.5	-45.8	-76.8	-115.6	-49.6	-76.8
		2	22.2	22.2	22.2	38.5	35.2	24.2	24.2	24.2	42.0	38.5	26.4	26.4	26.4	45.8	41.9
	Hip Roof	1	-35.2	-61.3	-90.6	-41.7	-64.5	-38.5	-67.0	-99.0	-45.6	-70.5	-41.9	-72.9	-107.8	-49.6	-76.8
		2	22.2	22.2	22.2	38.5	35.2	24.2	24.2	24.2	42.0	38.5	26.4	26.4	26.4	45.8	41.9
Monoslope Roof	1	-45.0	-58.0	-100.4	-41.7	-64.5	-49.2	-63.4	-109.7	-45.6	-70.5	-53.5	-69.0	-119.5	-49.6	-76.8	
	2	18.9	18.9	18.9	38.5	38.5	20.7	20.7	20.7	42.0	42.0	22.5	22.5	22.5	45.8	45.8	