

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

C & C
V = 130-150 mph
h = 15-80 ft.

V (MPH)			130					140					150				
h (ft)	Roof Form	Load Case	1	2	Zone 3	4	5	1	2	Zone 3	4	5	1	2	Zone 3	4	5
80	Flat Roof	1	-70.2	-110.1	-150.1	-48.0	-87.9	-81.4	-127.7	-174.1	-55.6	-102.0	-93.4	-146.6	-199.8	-63.9	-117.1
		2	NA	NA	NA	48.0	48.0	NA	NA	NA	55.6	55.6	NA	NA	NA	63.9	63.9
	Gable Roof	1	-52.4	-87.9	-132.3	-56.8	-87.9	-60.8	-102.0	-153.5	-65.9	-102.0	-69.8	-117.1	-176.2	-75.7	-117.1
		2	30.2	30.2	30.2	52.4	48.0	35.0	35.0	35.0	60.8	55.6	40.2	40.2	40.2	69.8	63.9
	Mansard Roof	1	-48.0	-83.5	-123.5	-56.8	-87.9	-55.6	-96.8	-143.2	-65.9	-102.0	-63.9	-111.1	-164.4	-75.7	-117.1
		2	30.2	30.2	30.2	52.4	48.0	35.0	35.0	35.0	60.8	55.6	40.2	40.2	40.2	69.8	63.9
	Hip Roof	1	-61.3	-79.0	-136.8	-56.8	-87.9	-71.1	-91.7	-158.6	-65.9	-102.0	-81.6	-105.2	-182.1	-75.7	-117.1
		2	25.8	25.8	25.8	52.4	52.4	29.9	29.9	29.9	60.8	60.8	34.3	34.3	34.3	69.8	69.8
70	Flat Roof	1	-68.2	-107.1	-145.9	-46.6	-85.5	-79.1	-124.2	-169.2	-54.1	-99.1	-90.8	-142.6	-194.3	-62.1	-113.8
		2	NA	NA	NA	46.6	46.6	NA	NA	NA	54.1	54.1	NA	NA	NA	62.1	62.1
	Gable Roof	1	-50.9	-85.5	-128.7	-55.3	-85.5	-59.1	-99.1	-149.2	-64.1	-99.1	-67.8	-113.8	-171.3	-73.6	-113.8
		2	29.4	29.4	29.4	50.9	46.6	34.0	34.0	34.0	59.1	54.1	39.1	39.1	39.1	67.8	62.1
	Mansard Roof	1	-46.6	-81.2	-120.0	-55.3	-85.5	-54.1	-94.1	-139.2	-64.1	-99.1	-62.1	-108.1	-159.8	-73.6	-113.8
		2	29.4	29.4	29.4	50.9	46.6	34.0	34.0	34.0	59.1	54.1	39.1	39.1	39.1	67.8	62.1
	Hip Roof	1	-59.6	-76.9	-133.0	-55.3	-85.5	-69.1	-89.1	-154.2	-64.1	-99.1	-79.3	-102.3	-177.0	-73.6	-113.8
		2	25.0	25.0	25.0	50.9	50.9	29.0	29.0	29.0	59.1	59.1	33.3	33.3	33.3	67.8	67.8
60	Flat Roof	1	-66.0	-103.7	-141.3	-45.1	-82.8	-76.6	-120.2	-163.8	-52.4	-96.0	-87.9	-138.0	-188.1	-60.1	-110.2
		2	NA	NA	NA	45.1	45.1	NA	NA	NA	52.4	52.4	NA	NA	NA	60.1	60.1
	Gable Roof	1	-49.3	-82.8	-124.6	-53.5	-82.8	-57.2	-96.0	-144.5	-62.0	-96.0	-65.7	-110.2	-165.8	-71.2	-110.2
		2	28.4	28.4	28.4	49.3	45.1	33.0	33.0	33.0	57.2	52.4	37.8	37.8	37.8	65.7	60.1
	Mansard Roof	1	-45.1	-78.6	-116.2	-53.5	-82.8	-52.4	-91.1	-134.8	-62.0	-96.0	-60.1	-104.6	-154.7	-71.2	-110.2
		2	28.4	28.4	28.4	49.3	45.1	33.0	33.0	33.0	57.2	52.4	37.8	37.8	37.8	65.7	60.1
	Hip Roof	1	-57.7	-74.4	-128.7	-53.5	-82.8	-66.9	-86.3	-149.3	-62.0	-96.0	-76.8	-99.1	-171.4	-71.2	-110.2
		2	24.2	24.2	24.2	49.3	49.3	28.1	28.1	28.1	57.2	57.2	32.3	32.3	32.3	65.7	65.7
50	Flat Roof	1	-63.6	-99.8	-136.0	-43.4	-79.6	-73.7	-115.7	-157.7	-50.4	-92.4	-84.6	-132.8	-181.0	-57.8	-106.0
		2	NA	NA	NA	43.4	43.4	NA	NA	NA	50.4	50.4	NA	NA	NA	57.8	57.8
	Gable Roof	1	-47.5	-79.6	-119.9	-51.5	-79.6	-55.0	-92.4	-139.0	-59.7	-92.4	-63.2	-106.0	-159.6	-68.5	-106.0
		2	27.4	27.4	27.4	47.5	43.4	31.7	31.7	31.7	55.0	50.4	36.4	36.4	36.4	63.2	57.8
	Mansard Roof	1	-43.4	-75.6	-111.8	-51.5	-79.6	-50.4	-87.7	-129.7	-59.7	-92.4	-57.8	-100.7	-148.9	-68.5	-106.0
		2	27.4	27.4	27.4	47.5	43.4	31.7	31.7	31.7	55.0	50.4	36.4	36.4	36.4	63.2	57.8
	Hip Roof	1	-55.5	-71.6	-123.9	-51.5	-79.6	-64.4	-83.0	-143.7	-59.7	-92.4	-73.9	-95.3	-164.9	-68.5	-106.0
		2	23.3	23.3	23.3	47.5	47.5	27.1	27.1	27.1	55.0	55.0	31.1	31.1	31.1	63.2	63.2
40	Flat Roof	1	-60.6	-95.2	-129.7	-41.4	-76.0	-70.3	-110.4	-150.4	-48.1	-88.1	-80.7	-126.7	-172.7	-55.2	-101.2
		2	NA	NA	NA	41.4	41.4	NA	NA	NA	48.1	48.1	NA	NA	NA	55.2	55.2
	Gable Roof	1	-45.3	-76.0	-114.4	-49.1	-76.0	-52.5	-88.1	-132.6	-57.0	-88.1	-60.3	-101.2	-152.3	-65.4	-101.2
		2	26.1	26.1	26.1	45.3	41.4	30.3	30.3	30.3	52.5	48.1	34.7	34.7	34.7	60.3	55.2
	Mansard Roof	1	-41.4	-72.1	-106.7	-49.1	-76.0	-48.1	-83.7	-123.7	-57.0	-88.1	-55.2	-96.1	-142.0	-65.4	-101.2
		2	26.1	26.1	26.1	45.3	41.4	30.3	30.3	30.3	52.5	48.1	34.7	34.7	34.7	60.3	55.2
	Hip Roof	1	-53.0	-68.3	-118.2	-49.1	-76.0	-61.4	-79.2	-137.1	-57.0	-88.1	-70.5	-90.9	-157.4	-65.4	-101.2
		2	22.3	22.3	22.3	45.3	45.3	25.8	25.8	25.8	52.5	52.5	29.6	29.6	29.6	60.3	60.3
30	Flat Roof	1	-57.1	-89.6	-122.1	-39.0	-71.5	-66.2	-103.9	-141.6	-45.2	-82.9	-76.0	-119.3	-162.5	-51.9	-95.2
		2	NA	NA	NA	39.0	39.0	NA	NA	NA	45.2	45.2	NA	NA	NA	51.9	51.9
	Gable Roof	1	-42.6	-71.5	-107.6	-46.2	-71.5	-49.4	-82.9	-124.8	-53.6	-82.9	-56.7	-95.2	-143.3	-61.6	-95.2
		2	24.6	24.6	24.6	42.6	39.0	28.5	28.5	28.5	49.4	45.2	32.7	32.7	32.7	56.7	51.9
	Mansard Roof	1	-39.0	-67.9	-100.4	-46.2	-71.5	-45.2	-78.8	-116.5	-53.6	-82.9	-51.9	-90.4	-133.7	-61.6	-95.2
		2	24.6	24.6	24.6	42.6	39.0	28.5	28.5	28.5	49.4	45.2	32.7	32.7	32.7	56.7	51.9
	Hip Roof	1	-49.8	-64.3	-111.3	-46.2	-71.5	-57.8	-74.6	-129.0	-53.6	-82.9	-66.4	-85.6	-148.1	-61.6	-95.2
		2	21.0	21.0	21.0	42.6	42.6	24.3	24.3	24.3	49.4	49.4	27.9	27.9	27.9	56.7	56.7
20	Flat Roof	1	-52.4	-82.3	-112.1	-35.8	-65.7	-60.8	-95.4	-130.0	-41.5	-76.2	-69.8	-109.5	-149.2	-47.7	-87.4
		2	NA	NA	NA	35.8	35.8	NA	NA	NA	41.5	41.5	NA	NA	NA	47.7	47.7
	Gable Roof	1	-39.1	-65.7	-98.8	-42.5	-65.7	-45.4	-76.2	-114.6	-49.2	-76.2	-52.1	-87.4	-131.6	-56.5	-87.4
		2	22.6	22.6	22.6	39.1	35.8	26.2	26.2	26.2	45.4	41.5	30.0	30.0	30.0	52.1	47.7
	Mansard Roof	1	-35.8	-62.4	-92.2	-42.5	-65.7	-41.5	-72.3	-106.9	-49.2	-76.2	-47.7	-83.0	-122.8	-56.5	-87.4
		2	22.6	22.6	22.6	39.1	35.8	26.2	26.2	26.2	45.4	41.5	30.0	30.0	30.0	52.1	47.7
	Hip Roof	1	-45.8	-59.0	-102.2	-42.5	-65.7	-53.1	-68.5	-118.5	-49.2	-76.2	-60.9	-78.6	-136.0	-56.5	-87.4
		2	19.2	19.2	19.2	39.1	39.1	22.3	22.3	22.3	45.4	45.4	25.6	25.6	25.6	52.1	52.1
15	Flat Roof	1	-49.3	-77.4	-105.5	-33.7	-61.8	-57.2	-89.8	-122.4	-39.1	-71.7	-65.7	-103.1	-140.5	-44.9	-82.3
		2	NA	NA	NA	33.7	33.7	NA	NA	NA	39.1	39.1	NA	NA	NA	44.9	44.9
	Gable Roof	1	-36.8	-61.8	-93.0	-40.0	-61.8	-42.7	-71.7	-107.9	-46.3	-71.7	-49.0	-82.3	-123.9	-53.2	-82.3
		2	21.2	21.2	21.2	36.8	33.7	24.6	24.6	24.6	42.7	39.1	28.3	28.3	28.3	49.0	44.9
	Mansard Roof	1	-33.7	-58.7	-86.8	-40.0	-61.8	-39.1	-68.1	-100.6	-46.3	-71.7	-44.9	-78.1	-115.5	-53.2	-82.3
		2	21.2	21.2	21.2	36.8	33.7	24.6	24.6	24.6	42.7	39.1	28.3	28.3	28.3	49.0	44.9
	Hip Roof	1	-43.1	-55.6	-96.1	-40.0	-61.8	-50.0	-64.4	-111.5	-46.3	-71.7	-57.4	-74.0	-128.0	-53.2	-82.3
		2	18.1	18.1	18.1	36.8	36.8	21.0	21.0	21.0	42.7	42.7	24.1	24.1	24.1	49.0	49.0