

Proposed Revisions to NA7.6.3 –

Area Weighted Calculations for Demand Response Testing

CALCTP CLCATT - Exercise #3 Floor Plan 2

Percentage Area Weighted Method

Floor Plan 2	Area SF	Full W/SF	Full W	DR W/SF	DR W	Reduced W	% Reduction	Area Weighted
General Storage	14,400	1.25	18,000	1.20	17,280	720	4%	576
Storage Unit 1	2,800	1.00	2,800	0.70	1,960	840	30%	840
Storage Unit 2	2,800	1.00	2,800	0.70	1,960	840	30%	840
Storage Unit 3	2,000	1.00	2,000	0.75	1,500	500	25%	500
Storage Unit 4	2,000	1.00	2,000	0.75	1,500	500	25%	500
Storage Unit 5	2,000	1.00	2,000	0.75	1,500	500	25%	500
Storage Unit 6	2,000	1.00	2,000	0.75	1,500	500	25%	500
	28,000							4,256

15.2%

PASS

Dimensional Units Method

Floor Plan 2	Area SF	Full W/SF	Full W	DR W/SF	DR W	Reduced W	% Reduction
General Storage	14,400	1.25	18,000	1.20	17,280	720	
Storage Unit 1	2,800	1.00	2,800	0.70	1,960	840	
Storage Unit 2	2,800	1.00	2,800	0.70	1,960	840	
Storage Unit 3	2,000	1.00	2,000	0.75	1,500	500	
Storage Unit 4	2,000	1.00	2,000	0.75	1,500	500	
Storage Unit 5	2,000	1.00	2,000	0.75	1,500	500	
Storage Unit 6	2,000	1.00	2,000	0.75	1,500	500	
			31,600			4,400	

13.9%

FAIL

CALCTP CLCATT - Exercise #3 Floor Plan 3

Percentage Area Weighted Method

Floor Plan 3	Area SF	Full W/SF	Full W	DR W/SF	DR W	Reduced W	% Reduction	Area Weighted
Loading	5,200	1.20	6,240	1.00	5,200	1,040	16.7%	867
Storage	20,800	0.60	12,480	0.40	8,320	4,160	33.3%	6,933
Packing	14,400	1.20	17,280	1.00	14,400	2,880	16.7%	2,400
Admin	9,600	0.75	7,200	0.50	4,800	2,400	33.3%	3,200
	50,000							13,400

26.8%

Dimensional Units Method

Floor Plan 3	Area SF	Full W/SF	Full W	DR W/SF	DR W	Reduced W	% Reduction
Loading	5,200	1.20	6,240	1.00	5,200	1,040	
Storage	20,800	0.60	12,480	0.40	8,320	4,160	
Packing	14,400	1.20	17,280	1.00	14,400	2,880	
Admin	9,600	0.75	7,200	0.50	4,800	2,400	
			43,200			10,480	

24.3%