

**Cambrian Rise - Shared Parking Calculations 3/31/2022**

Use	Requirement	Qty.	Parking
Residential	1.35 / unit	950	1,330
Hotel	.75 / room	60	45
Office / Light Ind.	3 / ksf	13,000	39.00
Retail	3 / ksf	6,300	19
Restaurant	10 / ksf	5,000	50.0
Total Parking w/o shared use			<b>1482.9</b>
Share Parking Reductions			<b>75.6</b>
<b>Total Parking needed WITH shared use</b>			<b>1407.3</b>
Total Parking Provided			1345
<b>Total Surplus / Shortage (Shortage if negative)</b>			<b>-62.3</b>

**Summary of Recommended Base Parking Ratios (Spaces per Unit Land Use) - Urban Land Institute - Shared Parking, 3rd Edition**

Land Use	Weekday				Weekend		Unit	Source	Max Demand			
Column1	Column2	Column3	Column4	Column5	Visitor	Employee	Visitor6	Employee7	Column8	Column9	Column10	Column11
<b>Community Shopping Center (&lt;400,000 sf)</b>					<b>2.9</b>	<b>0.7</b>	<b>3.2</b>	<b>0.8</b>	per ksf	<b>1</b>		<b>3.6</b>
<b>Fine/Casual Dining</b>					<b>15.25</b>	<b>2.75</b>	<b>17</b>	<b>3</b>	per ksf	<b>2,3</b>		<b>20</b>
<b>Family Restaurant</b>					<b>9</b>	<b>1.5</b>	<b>12.75</b>	<b>2.25</b>	per ksf	<b>3</b>		<b>15</b>
<b>Fast-Food Restaurant</b>					<b>12.75</b>	<b>2.25</b>	<b>12</b>	<b>2</b>	per ksf	<b>2</b>		<b>15</b>
<b>Hotel Business</b>					<b>1</b>	<b>0.25</b>	<b>0.9</b>	<b>0.18</b>	per room	<b>2,3</b>		<b>1.25</b>
<b>Hotel Liesure</b>					<b>0.9</b>	<b>0.25</b>	<b>1</b>	<b>0.18</b>	per room	<b>2,3</b>		<b>1.18</b>
<b>Residential Rental</b>					<b>0.15</b>	<b>1.5</b>	<b>0.15</b>	<b>1.5</b>	per unit	<b>2</b>		<b>1.75</b>
<b>Residential Owned</b>					<b>0.15</b>	<b>1.7</b>	<b>0.15</b>	<b>1.7</b>	per unit	<b>2</b>		<b>1.85</b>
<b>Office (&lt;25,000 sf)</b>					<b>0.3</b>	<b>3.5</b>	<b>0.03</b>	<b>0.35</b>	per ksf	<b>2</b>		<b>3.8</b>

Sources: 1. Parking Requirements for Shopping Centers, 2nd ed. (Washington, D.C.: ULI-the Urban Land Institute, 1999)  
 2. Parking Generation, 3rd ed.(Washington, D.C.: Institute of Transportation Engineers, 2004)  
 3. Data collected by team members

**Recommended Time-of-Day Factors for Weekdays**

Use	Parking Demand	6am	7am	8am	9am	10am	11am	12pm	1pm	2pm	3pm	4pm	5pm	6pm	7pm	8pm	9pm	10pm	11pm	12am
Residential		100%	90%	85%	80%	75%	70%	65%	70%	70%	70%	75%	85%	90%	97%	98%	99%	100%	100%	100%
Hotel		95%	93%	85%	75%	65%	65%	60%	60%	65%	65%	70%	75%	80%	80%	85%	90%	95%	100%	100%
Office / Light Ind.		3%	30%	75%	95%	100%	100%	90%	90%	100%	100%	90%	50%	25%	10%	7%	3%	1%	0%	0%
Retail		1%	5%	15%	35%	65%	85%	95%	100%	95%	90%	90%	95%	95%	95%	80%	50%	30%	10%	0%
Restaurant		29%	54%	65%	77%	87%	92%	100%	92%	58%	50%	50%	78%	82%	82%	82%	63%	57%	52%	27%
Residential	1330.00	1330.00	1197.00	1130.50	1064.00	997.50	931.00	864.50	931.00	931.00	931.00	997.50	1130.50	1197.00	1290.10	1303.40	1316.70	1330.00	1330.00	1330.00
Hotel	45.00	42.75	41.63	38.25	33.75	29.25	29.25	27.00	27.00	29.25	29.25	31.50	33.75	36.00	36.00	38.25	40.50	42.75	45.00	45.00
Office / Light Ind.	39.00	1.17	11.70	29.25	37.05	39.00	39.00	35.10	35.10	39.00	39.00	35.10	19.50	9.75	3.90	2.73	1.17	0.39	0.00	0.00
Retail	18.90	0.19	0.95	2.84	6.62	12.29	16.07	17.96	18.90	17.96	17.01	17.01	17.96	17.96	17.96	15.12	9.45	5.67	1.89	0.00
Restaurant	50.00	14.50	27.00	32.50	38.50	43.50	46.00	50.00	46.00	29.00	25.00	25.00	39.00	41.00	41.00	41.00	31.50	28.50	26.00	13.50
<b>Total</b>	<b>1432.90</b>	<b>1388.61</b>	<b>1278.27</b>	<b>1233.34</b>	<b>1179.92</b>	<b>1121.54</b>	<b>1061.32</b>	<b>994.56</b>	<b>1058.00</b>	<b>1046.21</b>	<b>1041.26</b>	<b>1106.11</b>	<b>1240.71</b>	<b>1301.71</b>	<b>1388.96</b>	<b>1400.50</b>	<b>1399.32</b>	<b>1407.31</b>	<b>1402.89</b>	<b>1388.50</b>

**Recommended Time-of-Day Factors for Weekends**

Use	Parking Demand	6am	7am	8am	9am	10am	11am	12pm	1pm	2pm	3pm	4pm	5pm	6pm	7pm	8pm	9pm	10pm	11pm	12am
Residential		100%	90%	85%	80%	75%	70%	65%	70%	70%	70%	75%	85%	90%	97%	98%	99%	100%	100%	100%
Hotel		95%	93%	85%	75%	65%	65%	60%	60%	65%	65%	70%	75%	80%	80%	85%	90%	95%	100%	100%
Office / Light Ind.		0%	2%	6%	8%	9%	10%	9%	8%	6%	4%	2%	1%	1%	0%	0%	0%	0%	0%	0%
Retail		1%	5%	10%	30%	50%	65%	80%	90%	100%	100%	95%	90%	80%	75%	65%	50%	35%	15%	0%
Restaurant		16%	33%	52%	73%	92%	92%	100%	87%	70%	45%	50%	65%	74%	74%	70%	38%	31%	23%	14%
Residential	1330.00	1330.00	1197.00	1130.50	1064.00	997.50	931.00	864.50	931.00	931.00	931.00	997.50	1130.50	1197.00	1290.10	1303.40	1316.70	1330.00	1330.00	1330.00
Hotel	45.00	42.75	41.63	38.25	33.75	29.25	29.25	27.00	27.00	29.25	29.25	31.50	33.75	36.00	36.00	38.25	40.50	42.75	45.00	45.00
Office / Light Ind.	39.00	0.00	0.78	2.34	3.12	3.51	3.90	3.51	3.12	2.34	1.56	0.78	0.39	0.39	0.00	0.00	0.00	0.00	0.00	0.00
Retail	18.90	0.19	0.95	1.89	5.67	9.45	12.29	15.12	17.01	18.90	18.90	17.96	17.01	15.12	14.18	12.29	9.45	6.62	2.84	0.00
Restaurant	50.0	8	16.5	26	36.5	46	46	50	43.5	35	22.5	25	32.5	37	37	35	19	15.5	11.5	7
<b>Total</b>	<b>1432.90</b>	<b>1380.94</b>	<b>1256.85</b>	<b>1198.98</b>	<b>1143.04</b>	<b>1085.71</b>	<b>1022.44</b>	<b>960.13</b>	<b>1021.63</b>	<b>1016.49</b>	<b>1003.21</b>	<b>1072.74</b>	<b>1214.15</b>	<b>1285.51</b>	<b>1377.28</b>	<b>1388.94</b>	<b>1385.65</b>	<b>1394.87</b>	<b>1389.34</b>	<b>1382.00</b>

Recommended Time-of-Day Factors per tables 2-5 and 2-6 in the Urban Land Institute Shared Parking, Second Edition