

**ARCH202 DESIGN STUDIO II      SPRING 2020-2021      Sections: I, II, III, IV**

**Subject: Stopover facility on motorway**

<b>Space Requirements:</b>		<b>Area (m2)</b>
<b>Petrol Station</b>		
1	Office, shop&wc (for men and women)	40
2	Apron with four fuelpumps, covered by canopy	200
Total area (m2)		<b>240</b>
<b>Restaurant (self-service)</b>		
1	Kitchen	25
2	Storage	8
3	Wc (men&women) + baby care room	55
4	Changing rooms for personnel	30
5	Hall (Closed Hall)	200
6	Technical area	5
Total area (m2)		<b>323</b>
<b>Administrational offices</b>		
1	Director's office	16
2	Secretary	16
3	Accountant	16
4	Archive room	10
5	Wc (men &women)	15
Total area (m2)		<b>73</b>
<b>Shops</b>		
1	Shop #1	25
2	Shop #2	25
3	Tourism Information Office and Souvenir Shop	25
Total area (m2)		<b>75</b>
<b>Religious Facility (Masjid)</b>		
1	Praying hall	25
2	Ablution space for men	10
3	Ablution space for women	10
4	Wc (women)	6
5	Wc (men)	6
Total area (m2)		<b>57</b>
<b>Service and Maintenance Facilities</b>		
1	Garage (small scale garage for tire repairs and simple maintenance)	30
2	Car Wash platforms	56
3	Office	12
4	Changing room for personnel	15
Total area (m2)		<b>113</b>
<b>Misc.</b>		
1	Car park (for 15 cars or more)	150
2	Bus park (for 5 or 6 buses)	450
3	Playground for Children	36
Total area (m2)		<b>636</b>
Closed space area total (m2)		<b>881</b>
Circulation space, 25%of closed space area (m2)		<b>220,25</b>
Sum of closed space and open space areas (m2)		<b>1737,25</b>