

**Volume Concrete LLC.,**  
**4230 SE King Rd.**  
**no. 211**  
**www.VolumeConcrete.com**  
**Milwaukie , Oregon 97222**  
**Phone: (971) 219-8604 Fax: (971) 271-7189**

**CONCRETE MIX DESIGN**  
**Compressive Strength: PC4000**

**Source of Concrete:** Volume Concrete LLC.,

Material / Source or Designation / Blend <sup>1</sup>	Quantity (SSD)	S.G.	Yield, ft <sup>3</sup>
Type I/II Cement / AshGrove Cement (domes / 10)	611 lb	3.15	3.11
Water	244 lb	1.00	3.91
3/4"-3/8" Windsor Washed Natur / Blend / 49.28%	1481 lb	2.64	8.99
3/8" Windsor Washed Natural Ri / no fines / 0.1%	3 lb	2.64	0.02
ASTM C 33 Concrete Sand / C33 / 50.62%	1521 lb	2.61	9.34
Total Air, percent	6%		1.62
BASF Air Entrainment 90 / BASF Master Builders	6 fl oz (US)	1.01	0.01
SuperPlasticizer MasterRh / BASF	0 fl oz (US)	1.01	0.00

<sup>1</sup> The blend percentage indicated (by weight) is listed separately for cementitious materials and aggregates.

27.00

Total Water Content (including water in admixtures), lb			244
Water / Cementitious Material Ratio:			0.4
Concrete Unit Weight, pcf			143.0
Target Slump, in.			3 ± 0.5
Paste Content, percent			26.02%
Workability Factor (WF)	Target:	35.0	Actual: 38.5
Coarseness Factor (CF)	Target:	60.5	Actual: 66.2
Prepared On:	2/19/19 8:56 PM		

Prepared By:

---

Volume Concrete LLC.,

