

**Pensacola Testing Laboratories, Inc.**  
**217 Brent Lane**  
**Pensacola, FL 32503**  
**850-477-5100**

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Client :  
 Project :  
 Supplier :

Water Demand (Gals/Yd <sup>3</sup> ) :	30.0	Design Strength (psi) :	4000	Design Slump (inches) :	4.0
Water Cement Ratio :	0.4433	Total Sacks/Yd <sup>3</sup> :	6.00	Slump Range ± (inches) :	1.0
Water Weight/Yd <sup>3</sup> (lbs) :	250.0	% Entrained Air :	3.0	% Air Range ± :	1.5

**Cementitious Materials**

Supplier	Type	Specs	Specific Gravity	% of Total Cement	Pounds per Cubic Yard
Cement Supplier #1	Type	spec	3.15	80	451.2
Pozzolan Supplier #1	Type	spec	2.40	20	112.8
Pozzolan #2	Type	spec	0	0	0.0
Total Cementitious Materials :					564.0

**Aggregates**

Supplier	Description	Size	Specific Gravity	% of Agg Volume	Pounds per Cubic Yard
Aggregate #1	Type	spec	2.60	41.8	1,297.4
Aggregate #2	Type	spec	2.60	58.2	1,806.4
Aggregate #3	Type	spec	0	0	0.0
Aggregate #4	Type	spec	0	0	0.0

**Admixtures**

Supplier	Type	Specs	Specific Gravity	oz/100lbs Cmt+Pozz	Oz/Yd <sup>3</sup>
Admix #1 (Air Entrainer)	Type	spec	1	0.5	2.8
Admix #2 WR	Type	spec	1	4.0	22.6
Admix #3 HRWR	Type	spec	1	10.0	56.4
Supplier	Type	Specs		oz/100lbs Cement Only	Oz/Yd <sup>3</sup>
Admix #4 (dosed to cement #1 wt only)	Type	spec	1	0	0.0

**ONE CUBIC YARD BATCH WEIGHTS | VOLUMES ft<sup>3</sup>**

Cement Supplier #1 - Type :	451.2 lbs.	2.30
Pozzolan Supplier #1 - Type :	112.8 lbs.	0.75
Pozzolan #2 - Type :	0.0 lbs.	0
Aggregate #1 - Type :	1,297.4 lbs.	8.00
Aggregate #2 - Type :	1,806.4 lbs.	11.13
Aggregate #3 - Type :	0.0 lbs.	0
Aggregate #4 - Type :	0.0 lbs.	0
Admix #1 (Air Entrainer) - Type :	2.8 oz	0.81
Admix #2 WR - Type :	22.6 oz	0
Admix #3 HRWR - Type :	56.4 oz	0
Admix #4 (dosed to cement #1 wt only) - Type :	0.0 oz	0
Water :	250.0 lbs.	4.01
Theoretical Weight/Yd <sup>3</sup> :	3,917.9 lbs.	27.0 ft <sup>3</sup>

Comments Here:  
 This is a single page program.  
 What you see is what you get.  
 Enter the water demand, w/c ratio required and aggregate #2, 3 and 4 percentages of total aggregate volume.  
 Aggregate #1 is calculated from the remaining volume.  
 If you enter the water weight you will have to press enter for it to calculate.

145.1 lbs/ft<sup>3</sup>