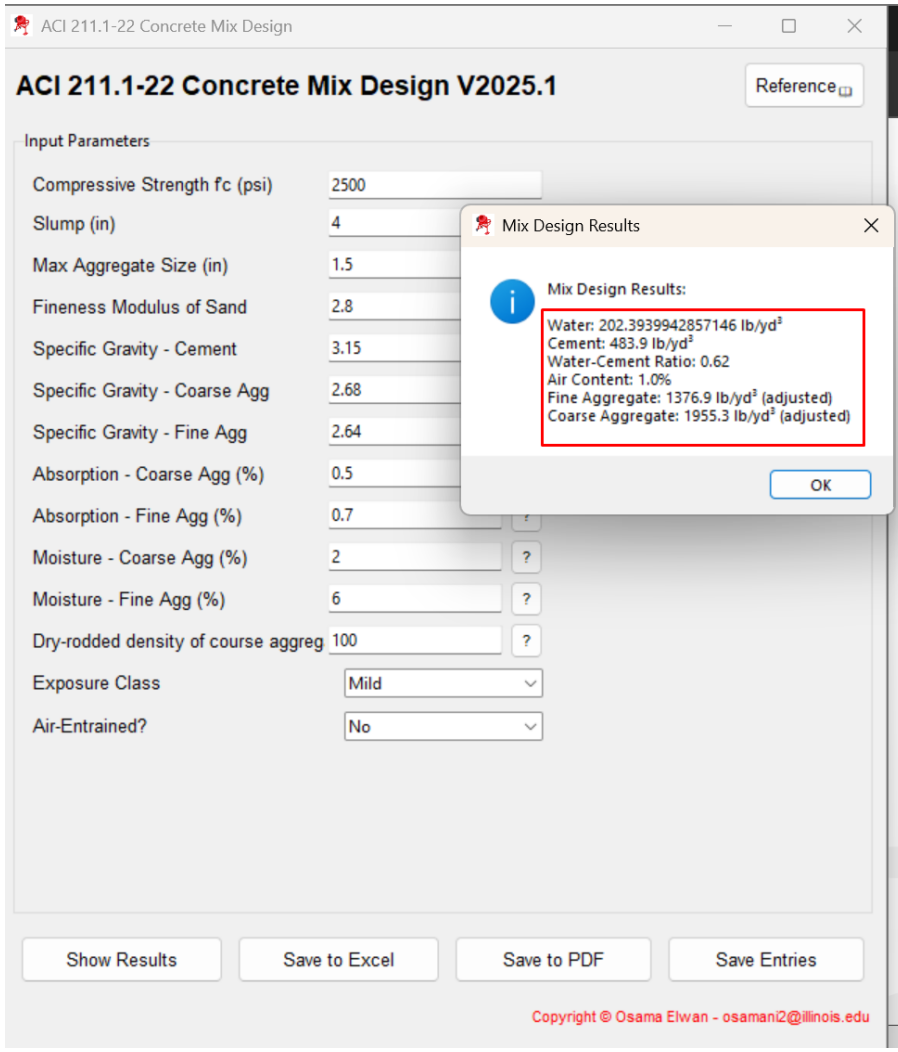

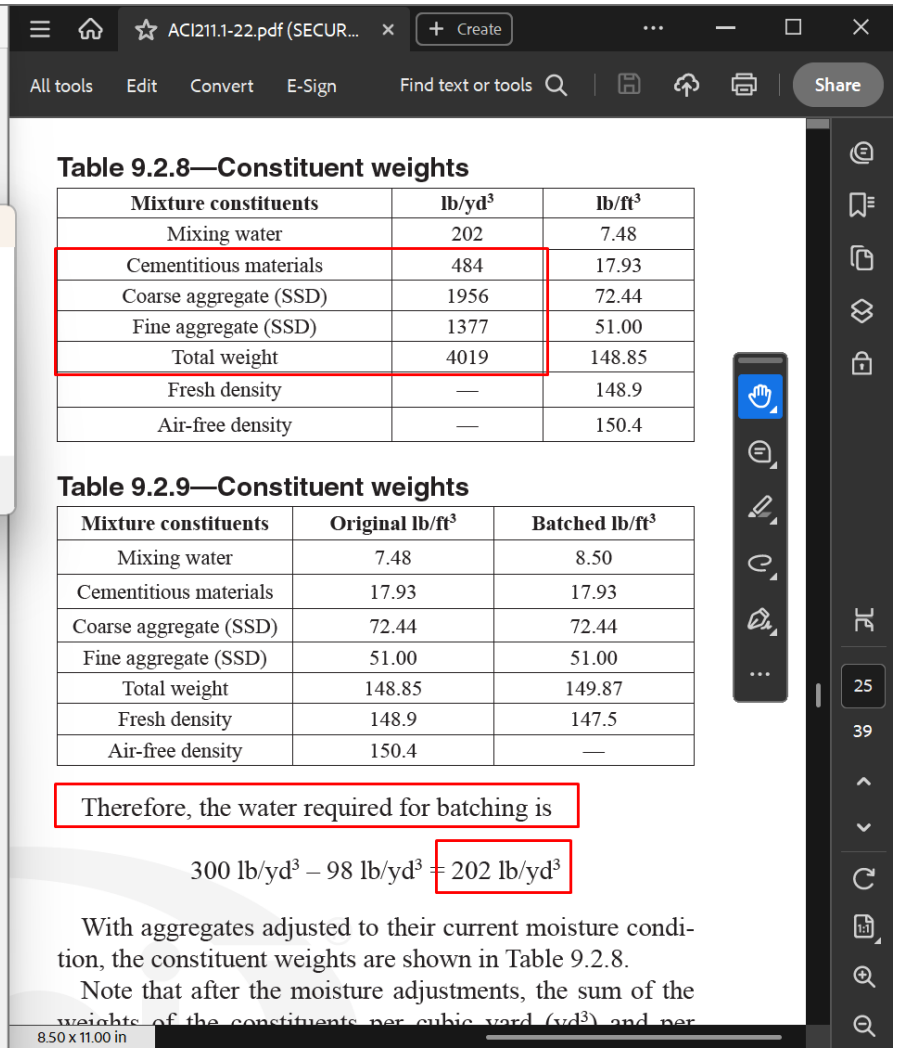

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Table 9.2.8—Constituent weights

Mixture constituents	lb/yd³	lb/ft³
Mixing water	202	7.48
Cementitious materials	484	17.93
Coarse aggregate (SSD)	1956	72.44
Fine aggregate (SSD)	1377	51.00
Total weight	4019	148.85
Fresh density	—	148.9
Air-free density	—	150.4

Table 9.2.9—Constituent weights

Mixture constituents	Original lb/ft³	Batched lb/ft³
Mixing water	7.48	8.50
Cementitious materials	17.93	17.93
Coarse aggregate (SSD)	72.44	72.44
Fine aggregate (SSD)	51.00	51.00
Total weight	148.85	149.87
Fresh density	148.9	147.5
Air-free density	150.4	—

Therefore, the water required for batching is

$$300 \text{ lb/yd}^3 - 98 \text{ lb/yd}^3 = 202 \text{ lb/yd}^3$$

With aggregates adjusted to their current moisture condition, the constituent weights are shown in Table 9.2.8.

Note that after the moisture adjustments, the sum of the weights of the constituents per cubic yard (yd³) and per

8.50 x 11.00 in

25
39