



Project: _____
Client: _____
Unit ID: TieBrick units

Job No: 1803-12-140
Report No: 003195
Report Date: 4/14/2021
Received Date: 3/18/2021

TIEBRICK UNITS

Compressive Strength – test date: 4/9/2021

Specimen No.	1	2	3	Average
Received weight, lbs	6.138	6.324	6.088	6.183
Width, inches	3.00	3.00	2.99	3.00
Thickness, inches	4.11	4.15	4.10	4.12
Length, inches	8.76	8.77	8.78	8.77
Net Area, in ²	21.1	21.7	22.0	21.6
Maximum load, lbs	100,290	114,800	93,810	102,970
Compressive Strength, psi	4,640	5,310	4,340	4,760

Absorption and Density

Specimen No.	4	5	6	Average
Received weight, lbs	5.772	6.216	6.240	6.076
Immersed weight, lbs	3.024	3.370	3.392	3.262
Saturated weight (SSD), lbs	6.160	6.616	6.652	6.476
Oven dry weight, lbs	5.512	6.082	6.108	5.901
Absorption, %	11.8	8.8	8.9	9.8
Absorption, lbs/ft ³	12.9	10.3	10.4	11.2
Density, lbs/ft ³	109.7	116.9	116.9	114.5

The Compressive Strength was calculated by dividing the Maximum load by the average Net Area