Tables below provide 'Whole Wall' corrected R-Values and U-Factors for various grout and steel frequencies per engineering

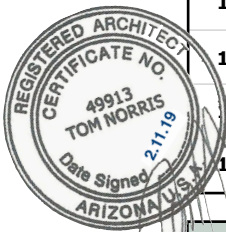|					Grout and Steel Frequency at 48" on center								
Nominal Thickness	Concrete Density pcf	Omni Block Interior Stretcher Cores R-Value		Grout and Steel Correction Factor		Omni Block Interior Stretcher Cores Corrected R-Value		Omni Block Stretcher Cores Empty R-Value		Omni Block Stretcher Middle Cores R-Value		Omni Block Exterior Stretcher Cores R-Value		Omni Block Stretcher Cores with Correction	
														R-Value	U-Factor
12"	85	8.17	X	0.833	=	6.8	+	8.2	+	4.9	+	8.17	=	28.1	0.0355
12"	95	8.17	X	0.833	=	6.8	+	7.5	+	4.9	+	8.17	=	27.4	0.0364
12"	105	8.17	X	0.833	=	6.8	+	7.2	+	4.9	+	8.17	=	27.1	0.0369
12"	115	8.17	X	0.833	=	6.8	+	6.8	+	4.9	+	8.17	=	26.7	0.0374
12"	125	8.17	X	0.833	=	6.8	+	6.5	+	4.9	+	8.17	=	26.4	0.0378
12"	135	8.17	X	0.833	=	6.8	+	6.2	+	4.9	+	8.17	=	26.1	0.0383

					Grout and Steel Frequency at 40" on center								
Nominal Thickness	Concrete Density pcf	Omni Block Interior Stretcher Cores R-Value		Grout and Steel Correction Factor		Omni Block Interior Stretcher Cores Corrected R-Value		Omni Block Stretcher Cores Empty R-Value		Omni Block Stretcher Middle Cores R-Value		Omni Block Exterior Stretcher Cores R-Value		Omni Block Stretcher Cores with Correction	
														R-Value	U-Factor
12"	85	8.17	X	0.800	=	6.5	+	8.2	+	4.9	+	8.17	=	27.8	0.0359
12"	95	8.17	X	0.800	=	6.5	+	7.5	+	4.9	+	8.17	=	27.1	0.0369
12"	105	8.17	X	0.800	=	6.5	+	7.2	+	4.9	+	8.17	=	26.8	0.0373
12"	115	8.17	X	0.800	=	6.5	+	6.8	+	4.9	+	8.17	=	26.4	0.0378
12"	125	8.17	X	0.800	=	6.5	+	6.5	+	4.9	+	8.17	=	26.1	0.0383
12"	135	8.17	X	0.800	=	6.5	+	6.2	+	4.9	+	8.17	=	25.8	0.0387

					Grout and Steel Frequency at 32" on center								
Nominal Thickness	Concrete Density pcf	Omni Block Interior Stretcher Cores R-Value		Grout and Steel Correction Factor		Omni Block Interior Stretcher Cores Corrected R-Value		Omni Block Stretcher Cores Empty R-Value		Omni Block Stretcher Middle Cores R-Value		Omni Block Exterior Stretcher Cores R-Value		Omni Block Stretcher Cores with Correction	
														R-Value	U-Factor
12"	85	8.17	X	0.750	=	6.1	+	8.2	+	4.9	+	8.17	=	27.4	0.0364
12"	95	8.17	X	0.750	=	6.1	+	7.5	+	4.9	+	8.17	=	26.7	0.0374
12"	105	8.17	X	0.750	=	6.1	+	7.2	+	4.9	+	8.17	=	26.4	0.0378
12"	115	8.17	X	0.750	=	6.1	+	6.8	+	4.9	+	8.17	=	26.0	0.0384
12"	125	8.17	X	0.750	=	6.1	+	6.5	+	4.9	+	8.17	=	25.7	0.0389
12"	135	8.17	X	0.750	=	6.1	+	6.2	+	4.9	+	8.17	=	25.4	0.0393

REGISTERED ARCHITECT CERTIFICATE NO. 49913 TOM NORRIS Date Signed 2.11.19 ARIZONA U.S.A. EXPIRES 9.30.21

Tables below provide 'Whole Wall' corrected R-Values and U-Factors for various grout and steel frequencies per engineering

Grout and Steel Frequency at 24" on center

Nominal Thickness	Concrete Density pcf	Omni Block Interior Stretcher Cores R-Value	X	Grout and Steel Correction Factor	=	Omni Block Interior Stretcher Cores Corrected R-Value	+	Omni Block Stretcher Cores Empty R-Value	+	Omni Block Stretcher Middle Cores R-Value	+	Omni Block Exterior Stretcher Cores R-Value	=	Omni Block Stretcher Cores with Correction R-Value	U-Factor
12"	85	8.17	X	0.670	=	5.5	+	8.2	+	4.9	+	8.17	=	26.8	0.0373
12"	95	8.17	X	0.670	=	5.5	+	7.5	+	4.9	+	8.17	=	26.1	0.0383
12"	105	8.17	X	0.670	=	5.5	+	7.2	+	4.9	+	8.17	=	25.8	0.0387
12"	115	8.17	X	0.670	=	5.5	+	6.8	+	4.9	+	8.17	=	25.4	0.0393
12"	125	8.17	X	0.670	=	5.5	+	6.5	+	4.9	+	8.17	=	25.1	0.0398
12"	135	8.17	X	0.670	=	5.5	+	6.2	+	4.9	+	8.17	=	24.8	0.0403

Grout and Steel Frequency at 16" on center

Nominal Thickness	Concrete Density pcf	Omni Block Interior Stretcher Cores R-Value	X	Grout and Steel Correction Factor	=	Omni Block Interior Stretcher Cores Corrected R-Value	+	Omni Block Stretcher Cores Empty R-Value	+	Omni Block Stretcher Middle Cores R-Value	+	Omni Block Exterior Stretcher Cores R-Value	=	Omni Block Stretcher Cores with Correction R-Value	U-Factor
12"	85	8.17	X	0.500	=	4.1	+	8.2	+	4.9	+	8.17	=	25.4	0.0393
12"	95	8.17	X	0.500	=	4.1	+	7.5	+	4.9	+	8.17	=	24.7	0.0404
12"	105	8.17	X	0.500	=	4.1	+	7.2	+	4.9	+	8.17	=	24.4	0.0409
12"	115	8.17	X	0.500	=	4.1	+	6.8	+	4.9	+	8.17	=	24.0	0.0416
12"	125	8.17	X	0.500	=	4.1	+	6.5	+	4.9	+	8.17	=	23.7	0.0421
12"	135	8.17	X	0.500	=	4.1	+	6.2	+	4.9	+	8.17	=	23.4	0.0427

Grout and Steel Frequency at 8" on center

Nominal Thickness	Concrete Density pcf	Omni Block Interior Stretcher Cores R-Value	X	Grout and Steel Correction Factor	=	Omni Block Interior Stretcher Cores Corrected R-Value	+	Omni Block Stretcher Cores Empty R-Value	+	Omni Block Stretcher Middle Cores R-Value	+	Omni Block Exterior Stretcher Cores R-Value	=	Omni Block Stretcher Cores with Correction R-Value	U-Factor
12"	85	8.17	X	0.000	=	0.0	+	8.2	+	4.9	+	8.17	=	21.3	0.0469
12"	95	8.17	X	0.000	=	0.0	+	7.5	+	4.9	+	8.17	=	20.6	0.0485
12"	105	8.17	X	0.000	=	0.0	+	7.2	+	4.9	+	8.17	=	20.3	0.0492
12"	115	8.17	X	0.000	=	0.0	+	6.8	+	4.9	+	8.17	=	19.9	0.0502
12"	125	8.17	X	0.000	=	0.0	+	6.5	+	4.9	+	8.17	=	19.6	0.0510
12"	135	8.17	X	0.000	=	0.0	+	6.2	+	4.9	+	8.17	=	19.3	0.0518