

Wall Constructions

Jackson Barracks 141st Building
Lucien T Vivien Jr & Assoc

04/21/2006
10:10AM

Face Brick+Air Space+Vapor Barrier+Ploy Isp+Bloc

Wall Details

Outside Surface Color **Medium**
 Absorptivity **0.675**
 Overall U-Value **0.061** BTU/(hr-ft²-°F)

Wall Layers Details (Inside to Outside)

Layers	Thickness in	Density lb/ft ³	Specific Ht. BTU / (lb - °F)	R-Value (hr-ft ² -°F)/BTU	Weight lb/ft ²
Inside surface resistance	0.000	0.0	0.00	0.68500	0.0
12-in HW concrete block	12.000	61.0	0.20	1.66667	61.0
R-14 board insulation	1.750	2.0	0.22	12.15278	0.3
Asphalt roll	0.063	70.0	0.36	0.15319	0.4
Air space	2.000	0.0	0.00	0.91000	0.0
4-in face brick	4.000	125.0	0.22	0.43290	41.7
Outside surface resistance	0.000	0.0	0.00	0.33300	0.0
Totals	19.813	-		16.33354	103.3

Wall Constructions

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04/21/2006
10:12AM

Face Brick+Air+Asphalt+Plyl Iso+Block+Air+Gypsum

Wall Details

Outside Surface Color **Medium**
 Absorptivity **0.675**
 Overall U-Value **0.056** BTU/(hr-ft²-°F)

Wall Layers Details (Inside to Outside)

Layers	Thickness in	Density lb/ft ³	Specific Ht. BTU / (lb - °F)	R-Value (hr-ft ² -°F)/BTU	Weight lb/ft ²
Inside surface resistance	0.000	0.0	0.00	0.68500	0.0
5/8-in gypsum board	0.625	50.0	0.26	0.56004	2.6
Air space	0.500	0.0	0.00	0.91000	0.0
12-in HW concrete block	12.000	61.0	0.20	1.66667	61.0
R-14 board insulation	1.750	2.0	0.22	12.15278	0.3
Asphalt roll	0.063	70.0	0.36	0.15319	0.4
Air space	2.000	0.0	0.00	0.91000	0.0
4-in face brick	4.000	125.0	0.22	0.43290	41.7
Outside surface resistance	0.000	0.0	0.00	0.33300	0.0
Totals	20.938	-		17.80357	105.9

Wall Constructions

Jackson Barracks 141st Building
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04/21/2006
10:43AM

Stone+Air+Asphalt+Plyl Iso+Block+Air+Gyp(1)

Wall Details

Outside Surface Color **Medium**
 Absorptivity **0.675**
 Overall U-Value **0.057** BTU/(hr-ft²-°F)

Wall Layers Details (Inside to Outside)

Layers	Thickness in	Density lb/ft ³	Specific Ht. BTU / (lb - °F)	R-Value (hr-ft ² -°F)/BTU	Weight lb/ft ²
Inside surface resistance	0.000	0.0	0.00	0.68500	0.0
5/8-in gypsum board	0.625	50.0	0.26	0.56004	2.6
Air space	0.500	0.0	0.00	0.91000	0.0
12-in HW concrete block	12.000	61.0	0.20	1.66667	61.0
R-14 board insulation	1.750	2.0	0.22	12.15278	0.3
Asphalt roll	0.063	70.0	0.36	0.15319	0.4
Air space	2.000	0.0	0.00	0.91000	0.0
4-in face brick	3.750	160.0	0.19	0.05000	50.0
Outside surface resistance	0.000	0.0	0.00	0.33300	0.0
Totals	20.688	-		17.42067	114.3

Roof Constructions

Jackson Barracks 141st Building
Lucien T Vivien Jr & Assoc

04/21/2006
10:11AM

Metal Deck+Poly Iso+Poly Iso+Asphalt Roll+Metal

Roof Details

Outside Surface Color **Medium**
 Absorptivity **0.675**
 Overall U-Value **0.035** BTU/(hr-ft²-°F)

Roof Layers Details (Inside to Outside)

Layers	Thickness in	Density lb/ft ³	Specific Ht. BTU / (lb - °F)	R-Value (hr-ft ² -°F)/BTU	Weight lb/ft ²
Inside surface resistance	0.000	0.0	0.00	0.68500	0.0
22 gage steel deck	0.034	489.0	0.12	0.00011	1.4
R-14 board insulation	2.000	2.0	0.22	13.88889	0.3
R-14 board insulation	2.000	2.0	0.22	13.88889	0.3
Asphalt roll	0.063	70.0	0.36	0.15319	0.4
22 gage steel deck	0.034	489.0	0.12	0.00011	1.4
Outside surface resistance	0.000	0.0	0.00	0.33300	0.0
Totals	4.130	-		28.94918	3.8