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|--|--------|------|---|--|--|---|---|---|---|---|
| 18. Perlite concrete slab proportioned 1:6 (portland cement to perlite aggregate) on 1 ¹ / ₄ "-deep steel deck supported on individually protected steel framing. Maximum span of deck 6'-10" where deck is less than 0.019" (No. 26 carbon sheet steel gage) and 8'-0" where deck is 0.019" (No. 26 carbon sheet steel gage) or greater. Slab reinforced with 0.042" (No. 19 B.W. gage) hexagonal wire mesh. Class A or B roof covering on top. | 18-1.1 | None | - | 2 ¹ / ₄ ^P | 2 ¹ / ₄ ^P | - | - | - | - | - |
|--|--------|------|---|--|--|---|---|---|---|---|

(continued)

TABLE 720.1(3)-continued MINIMUM PROTECTION FOR FLOOR AND ROOF SYSTEMS^{a, q}

| FLOOR OR ROOF CONSTRUCTION | ITEM NUMBER | CEILING CONSTRUCTION | THICKNESS OF FLOOR OR ROOF SLAB (inches) | | | | MINIMUM THICKNESS OF CEILING (inches) | | | |
|--|-------------|---|--|--------|--------|--------|---------------------------------------|--------|--------|--------|
| | | | 4 hour | 3 hour | 2 hour | 1 hour | 4 hour | 3 hour | 2 hour | 1 hour |
| 19. Floor and beam construction consisting of 3"-deep cellular steel floor unit mounted on steel members with 1:4 (proportion of portland cement to perlite aggregate) perlite-concrete floor slab on top. | 19-1.1 | Suspended envelope ceiling of perlite gypsum plaster on metal lath attached to ³ / ₄ " cold-rolled channels, secured to 1 ¹ / ₂ " cold-rolled channels spaced 42" on center supported by 0.203 inch (No. 6 B.W. gage) wire 36" on center. Beams in envelope with 3" minimum airspace between beam soffit and lath have a 4-hour rating. | 2 ^P | - | - | - | 1 ¹ | - | - | - |
| 20. Perlite concrete proportioned 1:6 (portland cement to perlite aggregate) | 20-1.1 | None | - | - | Varies | - | - | - | - | - |