What is claimed is:

1. A method for effectively thermally insulating and sealing of a safing slot within a building construction having a wall construction defining an interior wall surface, which includes an interior panel extending over the interior surface thereof and at least one floor spatially disposed from the inner wall surface defining the safing slot extending between the interior wall surface of the interior panel and an outer edge of the floor, comprising:
   i) positioning a primary insulation means of thermally resistant material in the safing slot, wherein the primary insulation means includes:
      a) an inner primary end surface positioned in abutment with respect to the outer edge of the floor for sealing thereadjacent,
      b) an outer primary end surface positioned in abutment with respect to the interior panel,
      c) an upper primary facing surface extending between the inner primary end surface and the outer primary end surface and facing upwardly therebetween,
   ii) positioning a supplemental insulation means of thermally resistant material to the interior panel of a wall at a position immediately above the primary insulation means and in abutment with respect to the upper primary facing surface thereof,
   iii) positioning a supplemental attachment means for attaching of the supplemental insulation means with respect to the interior panel positioned thereadjacent; and
   iv) positioning an outer fire retardant coating across the primary insulation means and the adjacent portions of the interior wall surface of the interior panel and the floor located thereadjacent.

2. The method according to claim 1, wherein the primary insulation means and the supplemental insulation means each comprise a thermally resistant

flexible material to facilitate placement thereof into the safing slot adjacent one another.

3. The method according to claim 1, wherein the primary insulation means and the supplemental insulation means each comprise a thermally resistant flexible mineral wool material to facilitate placement thereof into the safing slot adjacent one another.

4. The method according to claim 3, wherein the thermally resistant flexible mineral wool material is installed with fibers running parallel to the outer edge of the floor and the interior wall surface of the interior panel.

5. The method according to claim 1, wherein the outer primary end surface of the primary insulation means is initially positioned in abutting contact with and unattached to the interior wall surface of the adjacent interior panel.

6. The method according to claim 1, wherein the supplemental insulation means is positioned in abutment with the upper primary facing surface of the primary insulation means and is attached to the interior wall surface of the interior panel and extends across the safing slot toward the outer edge of the floor thereadjacent.

7. The method according to claim 1, wherein the supplemental attachment means comprises:
    i) at least one pin or screw means, and
    ii) at least one nut or washer means.

8. The method according to claim 7, wherein the at least one pin or screw means extend through the supplemental insulation means and is attached to the interior wall surface of the interior panel; and wherein the at least one nut or washer means is secured to the at least one pin or screw means

adjacent the supplemental insulation means at a position oppositely disposed from the interior wall surface of the interior panel.

9. The method according to claim 7 or 8, wherein the pin means comprises a weld pin means and wherein the nut means comprises a cap nut means.

10. The method according to claim 1, wherein the supplemental insulation means comprises a band of supplemental insulation extending continuous horizontal and in abutment with respect to the upper primary facing surface of the primary insulation means.

11. The method according to claim 1, wherein the supplemental insulation means is initially compressed against the upper primary facing surface of the primary insulation means when attached to the interior panel adjacent the upper primary facing surface to facilitate maintaining of abutment therewith responsive to thermal deforming movement of the interior panel.

12. The method according to any one of the preceding claims, wherein the outer fire retardant coating has a wet film thickness of at least 1/8 in.

13. The method according to claim 11 or 12, wherein the outer fire retardant coating overs the top of the thermally resistant flexible mineral wool material overlapping the outer edge of the floor and the interior face of interior wall surface of the interior panel by a min of 1/2 in.

14. The method according to claim 12 or 13, wherein the outer fire retardant coating is a water-based firestop joint spray.

15. The method according to claim 1, wherein the supplemental insulation means is attached to the interior panel at a position immediately above the primary insulation means and in abutment with respect to the upper

primary facing surface thereof and wherein the supplemental insulation means extends outwardly from the interior panel toward the outer edge of the floor.

16. The method according to claim 15, wherein the supplemental insulation means extends outwardly from the interior panel toward the outer edge of a floor to a position above the primary insulation means at a position spatially disposed from the outer edge of the floor thereadjacent.

17. The method according to claim 1, wherein the supplemental insulation means extends from the upper surface of adjacent floor to an intermediate position defined within the safing slot.

18. A building construction having a wall construction defining an interior wall surface, which includes an interior panel extending over the interior surface thereof and at least one floor spatially disposed from the inner wall surface defining a safing slot extending between the interior wall surface of the interior panel and an outer edge of the floor, comprising a thermal insulating and sealing means for effectively thermally insulating and sealing of the safing slot, wherein the thermal insulating and sealing means comprises:

i) a primary insulation means of thermally resistant material positioned in the safing slot defined between the outer edge of the floor and the interior panel to thermally insulate and seal the safing slot, wherein the primary insulation means includes:

a) an inner primary end surface positionable in abutment with respect to the outer edge of the floor for sealing thereadjacent,

b) an outer primary end surface positionable in abutment with respect to the interior panel,

c) an upper primary facing surface extending between the inner primary end surface and the outer primary end surface and facing upwardly therebetween,

ii) a supplemental insulation means of thermally resistant material attached to the interior panel of a wall at a position immediately above the primary insulation means and in abutment with respect to the upper primary facing surface thereof,

iii) a supplemental attachment means for attaching of the supplemental insulation means with respect to the interior panel positioned thereadjacent,

iv) an outer fire retardant coating positioned across the primary insulation means and the adjacent portions of the interior wall surface of the interior panel and the floor located thereadjacent,

wherein the supplemental attachment means comprises at least one pin or screw means extending through the supplemental insulation means and being attached to the interior wall surface of the interior panel, and at least one nut or washer means secured to the at least one pin or screw means adjacent the supplemental insulation means at a position oppositely disposed from the interior wall surface of the interior panel for facilitating attachment of the supplemental insulation means with respect to the interior wall surface of the interior panel immediately above the primary insulation means and in abutment with respect to the upper primary facing surface thereof, and

wherein the supplemental insulation means of thermally resistant material is attached to the interior panel at a position immediately above the primary insulation means and in abutment with respect to the upper primary facing surface thereof and wherein the supplemental insulation means comprises a band of supplemental insulation continuous horizontal along and in abutment with respect to the upper primary facing surface of the primary insulation means.