SAFETY AUDIT CHECKLIST

Guarding Floor & Wall Openings

Location: _____

Audited by: _____ **Date:** _____

Check the box under Y for "yes" or N for "no" to determine if each item is within compliance.

Y	N		Item #	Repair Date
❑	❑	1. Is every stairway floor opening guarded by a standard railing on all exposed sides (except at entrance to stairway)? 1910.23(a)(1)		
❑	❑	2. For infrequently used stairways where traffic across the opening prevents the use of fixed standard railing (as when located in aisle spaces, etc.), does the guard consist of a hinged floor opening cover of standard strength and construction and removable standard railings on all exposed sides (except at entrance to stairway)? 1910.23(a)(1)		
❑	❑	3. Is every ladderway floor opening or platform guarded by a standard railing with standard toeboard on all exposed sides (except at entrance to opening), with the passage through the railing either provided with a swinging gate or so offset that a person cannot walk directly into the opening? 1910.23(a)(2)		
❑	❑	4. Is every hatchway and chute floor opening guarded by either a hinged floor opening cover of standard strength and construction equipped with standard railings or permanently attached so only one side is exposed side or a removable railing with toeboard on not more than 2 sides of the opening and fixed standard railings with toeboards on all other exposed sides? 1910.23(a)(3), (a)(3)(i), & (a)(3)(ii)		
❑	❑	5. When the opening is not in use, is the cover closed or is the exposed side guarded at both top and intermediate positions by removable standard railings? 1910.23(a)(3)(i)		
❑	❑	6. Are removable railings kept in place when the opening is not in use? 1910.23(a)(3)(ii)		
❑	❑	7. Where operating conditions necessitate the feeding of material into any hatchway or chute opening, is protection provided to prevent a person from falling through the opening? 1910.23(a)(3)(ii)		
❑	❑	8. Is every skylight floor opening and hole guarded by a standard skylight screen or a fixed standard railing on all exposed sides? 1910.23(a)(4)		
❑	❑	9. Is every pit and trapdoor floor opening guarded by a floor opening cover of standard strength and construction? 1910.23(a)(5)		
❑	❑	10. While the cover is not in place, is the pit or trap opening constantly attended by someone or protected on all exposed sides by removable standard railings? 1910.23(a)(5)		
❑	❑	11. Is every manhole floor opening guarded by a standard manhole cover which need not be hinged in place? 1910.23(a)(6)		
❑	❑	12. While the cover is not in place, is the manhole opening constantly attended by someone or protected by removable standard railings? 1910.23(a)(6)		
❑	❑	13. Does every temporary floor opening have standard railings, or is it constantly attended by someone? 1910.23(a)(6)		
❑	❑	14. Is every floor hole into which persons can accidentally walk guarded by either a standard railing with standard toeboard on all exposed sides, or a floor hole cover of standard strength and construction? 1910.23(a)(8), (a)(8)(i) & (a)(8)(ii)		
❑	❑	15. While the cover is not in place, is the floor hole constantly attended by someone or protected by a removable standard railing? 1910.23(a)(8)(ii)		
❑	❑	16. Is every floor hole into which persons cannot accidentally walk (on account of fixed machinery, equipment, or walls) protected by a cover securely in place that leaves no openings more than one inch wide? 1910.23(a)(9)		
❑	❑	17. Where doors or gates open directly on a stairway, is a platform provided, and does the swing of the door not reduce the width to less than 20 inches? 1910.23(a)(10)		

Notes: _____

SAFETY AUDIT CHECKLIST

Guarding Floor & Wall Openings

Location: _____

Audited by: _____ **Date:** _____

Check the box under Y for "yes" or N for "no" to determine if each item is within compliance.

Item #	Repair Date

SAFETY AUDIT CHECKLIST

Guarding Floor & Wall Openings

Location: _____

Audited by: _____ **Date:** _____

Check the box under Y for "yes" or N for "no" to determine if each item is within compliance.

Item #	Repair Date

Y N Stairway railings and guards

❑ ❑ 32. On stairways less than 44 inches wide having both sides enclosed, is there at least one handrail, preferably on the right side descending? 1910.23(d)(1)(i)

❑ ❑ 33. On stairways less than 44 inches wide having one side open, is there at least one stair railing on the open side? 1910.23(d)(1)(ii)

❑ ❑ 34. On stairways less than 44 inches wide having both sides open, is there one stair railing on each side? 1910.23(d)(1)(iii)

❑ ❑ 35. On stairways more than 44 inches wide but less than 88 inches wide, one handrail on each enclosed side and one stair railing on each open side? 1910.23(d)(1)(iv)

❑ ❑ 36. On stairways 88 or more inches wide, is there one handrail on each enclosed side, one stair railing on each open side, and one intermediate stair railing located approximately midway of the width? 1910.23(d)(1)(v)

❑ ❑ 37. Are winding stairs equipped with a handrail offset to prevent walking on all portions of the treads having width less than 6 inches? 1910.23(d)(2)

Railings and toeboards

❑ ❑ 38. Does a standard railing consist of top rail, intermediate rail, and posts, and have a vertical height of 42 inches nominal from upper surface of top rail to floor, platform, runway, or ramp level?1910.23(e)(1)

❑ ❑ 39. Is the top rail smooth-surfaced throughout the length of the railing? 1910.23(e)(1)

❑ ❑ 40. Is the intermediate rail approximately halfway between the top rail and the floor, platform, runway, or ramp? 1910.23(e)(1)

❑ ❑ 41. Do the ends of the rails not overhang the terminal posts except where such overhang does not constitute a projection hazard? 1910.23(e)(1)

Y N

❑ ❑ 42. Are stair railings constructed similar to a standard railing but with a vertical height of not more than 34 inches nor less than 30 inches from upper surface of top rail to surface of tread in line with face of riser at forward edge of tread?

❑ ❑ 43. For wood railings, are the posts of at least 2-inch by 4-inch stock spaced not to exceed 6 feet and are the top and intermediate rails at least 2-inch by 4-inch stock? 1910.23(e)(3)(i)

❑ ❑ 44. If top rail is made of two right-angle pieces of 1-inch by 4-inch stock, are posts spaced on 8-foot centers, with a 2-inch by 4-inch intermediate rail? 1910.23(e)(3)(i)

❑ ❑ 45. For pipe railings, are posts and top and intermediate railings at least 1 1/2 inches nominal diameter with posts spaced not more than 8 feet on centers? 1910.23(e)(3)(ii)

❑ ❑ 46. For structural steel railings, are posts and top and intermediate rails of 2-inch by 2-inch by 3/8-inch angles or other metal shapes of equivalent bending strength with posts spaced not more than 8 feet on centers? 1910.23(e)(3)(iii)

❑ ❑ 47. Is the anchoring of posts and framing of members for railings of all types of such construction that the completed structure is capable of withstanding a load of at least 200 pounds applied in any direction at any point on the top rail? 1910.23(e)(3)(iv)

❑ ❑ 48. For all other types, sizes, and arrangements of railing construction, is there a smooth-surfaced top rail at a height above floor, platform, runway, or ramp level of 42 inches nominal? 1910.23(e)(3)(v)(a)

❑ ❑ 49. Do all other types, sizes and arrangements of railing construction provide enough strength to withstand at least the minimum requirement of 200 pounds top rail pressure? 1910.23(e)(3)(v)(b)

Notes: _____

SAFETY AUDIT CHECKLIST

Guarding Floor & Wall Openings

Location: _____

Audited by: _____ **Date:** _____

Check the box under Y for "yes" or N for "no" to determine if each item is within compliance.

Y	N		Item #	Repair Date
❑	❑	50. For all other types, sizes and arrangements of railing construction, is protection provided between top rail and floor, platform, runway, ramp, or stair treads, equivalent at least to that afforded by a standard intermediate rail? 1910.23(e)(3)(v)(c)		
❑	❑	51. Are all standard toeboards 4 inches nominal in vertical height from its top edge to the level of the floor, platform, runway, or ramp? 1910.23(e)(4)		
❑	❑	52. Are standard toeboards securely fastened in place with not more than 1/4-inch clearance above floor level? 1910.23(e)(4)		
❑	❑	53. Where material is piled to such height that a standard toeboard does not provide protection, is paneling from floor to intermediate rail, or to top rail provided? 1910.23(e)(4)		
❑	❑	54. Do handrails consist of a lengthwise member mounted directly on a wall or partition by means of brackets attached to the lower side of the handrail? 1910.23(e)(5)(i)		
❑	❑	55. Is the handrail rounded to furnish an adequate handhold for anyone grasping it to avoid falling? 1910.23(e)(5)(i)		
❑	❑	56. Are the ends of the handrail turned in to the supporting wall or otherwise arranged so as not to constitute a projection hazard?1910.23(e)(5)(i)		
❑	❑	57. Is the height of handrails not more than 34 inches nor less than 30 inches from upper surface of handrail to surface of tread in line with face of riser or to surface of ramp? 1910.23(e)(5)(ii)		
❑	❑	58. Are the size of handrails when of hardwood, at least 2 inches in diameter? 1910.23(e)(5)(iii)		
❑	❑	59. Are the size of handrails when of metal pipe, at least 1 1/2 inches in diameter? 1910.23(e)(5)(iii)		
❑	❑	60. Does the length of brackets give a clearance of 3 inches between handrail and wall or any projection? 1910.23(e)(5)(iii)		
❑	❑	61. Does the spacing of brackets not exceed 8 feet? 1910.23(e)(5)(iii)		
❑	❑	62. Is the mounting of handrails such that the completed structure is capable of withstanding a load of at least 200 pounds applied in any direction at any point on the rail? 1910.23(e)(5)(iv)		
❑	❑	63. Are all handrails and railings provided with a clearance of not less than 3 inches between the handrail or railing and any other object? 1910.23(e)(6)		
❑	❑	64. Are trench or conduit covers and their supports, when located in plant roadways, designed to carry a truck rear-axle load of at least 20,000 pounds? 1910.23(e)(7)(i)		
❑	❑	65. Do manhole covers and their supports, when located in plant roadways, comply with local standard highway requirements if any; and are they designed to carry a truck rear-axle load of at least 20,000 pounds? 1910.23(e)(7)(ii)		
❑	❑	66. If covers projecting not more than one inch above the floor level are used, are all edges chamfered to an angle with the horizontal of not over 30 degrees? 1910.23(e)(7)(iii)		
❑	❑	67. Are all hinges, handles, bolts, or other parts set flush with the floor or cover surface? 1910.23(e)(7)(iii)		
❑	❑	68. Are skylight screens of such construction and mounting that they are capable of withstanding a load of at least 200 pounds applied perpendicularly at any one area on the screen? 1910.23(e)(8)		
❑	❑	69. Are skylight screens of such construction and mounting that under ordinary loads or impacts, they will not deflect downward sufficiently to break the glass below them? 1910.23(e)(8)		
❑	❑	70. Are skylight screens constructed of grillwork with openings not more than 4 inches long or of slatwork with openings not more than 2 inches wide with length unrestricted? 1910.23(e)(8)		

Notes: _____

SAFETY AUDIT CHECKLIST

Guarding Floor & Wall Openings

Location: _____

Audited by: _____ **Date:** _____

Check the box under Y for "yes" or N for "no" to determine if each item is within compliance.

Y	N		Comments:	Item #	Repair Date
❑	❑	71. Are wall opening barriers (rails, rollers, picket fences, and half doors) of such construction and mounting that, when in place at the opening, the barrier is capable of withstanding a load of at least 200 pounds applied in any direction (except upward) at any point on the top rail or corresponding member? 1910.23(e)(9)			
❑	❑	72. Are wall opening grab handles not less than 12 inches in length and mounted as to give 3 inches clearance from the side framing of the wall opening? 1910.23(e)(10)			
❑	❑	73. Is the size, material, and anchoring of the grab handle of such that the completed structure is capable of withstanding a load of at least 200 pounds applied in any direction at any point of the handle? 1910.23(e)(10)			
❑	❑	74. Are wall opening screens of such construction and mounting that they are capable of withstanding a load of at least 200 pounds applied horizontally at any point on the near side of the screen? 1910.23(e)(11)			
❑	❑	75. Are wall openings made of solid construction, of grillwork with openings not more than 8 inches long, or of slatwork with openings not more than 4 inches wide with length unrestricted? 1910.23(e)(11)			

Notes: _____