

# Arizona Mine Reclamation L.L.C.



## Level 5

### **Vertical (shaft), Horizontal (adit)**

**Level 5** protection is classified as minimal security to an open air design in shaft or adit form. Reserved for extremely remote locations, with minimal public hazard, and minimal need for wildlife protection. **Level 5 protection is meant to deter access to an average person.** Level 5 is subject to tampering with minimal tools. Hinges and slide bolt with padlock can be built into this system for ease of access if required. Placement of access gate greatly weakens this design.

- **Level 5V - (Shaft)** – Construction consists of using #8 rebar; 8 inch on centers; and fillet welded at all intersections to create screen. Support is provided by use of #8 rebar set a minimum of 12 to 16 inches into sides of shaft at  $\leq 30^\circ$  to which the screen may be attached to by welding. Supports are to be provided at no more than 6 feet maximum. **In shaft form a Level 6 - warning fence must also be provided to warn of danger.**

- See Accompanying **Level 5V** Vertical Shaft Draft •

- **Level 5HA - (Adit)** – Construction consists of using #8 rebar; 8 inch on centers; and fillet welded at all intersections to create screen. Support is provided by use of #8 rebar set a minimum of 12 to 16 inches into sides, floor, and roof at  $45^\circ$  to opening which the screen may be attached to by welding. Supports are to be provided at no more than 8 feet maximum. **In adit form a Level 6 warning fence is not required to warn of danger.**

- See Accompanying **Level 5HA** Horizontal or Adit Draft •

- **Level 5C - (Adit)** – Construction consists of using #8 rebar; 8 inch on centers; and fillet welded at all intersections to create screen. A culvert (size varies by site) is placed into adit opening minimum 8 feet. Fill is placed in adit at a ratio of 2 times height or minimum 5 feet. The #8 rebar screen is drilled and angle bent and welded inside culvert. Fill will be 1 foot fill per 2 linear feet of culvert. **In adit form a Level 6 warning fence is not required to warn of danger.**

- See Accompanying **Level 5C** Horizontal or Adit Draft •