





Job Hazard Analysis Form



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| Task Electrical Conduit Installation | |
| Completed by Scott Brehmer and Frank Chavoya | |
| Required PPE Safety glasses, work gloves, steel-toed boots | |
| Date 9/28/17 | Notes |

| Step | Picture | Step Description | Hazards | Controls |
|------|---|--|---|---|
| 1 | | Pre-job set up | <ul style="list-style-type: none"> Injury from hand tools and power tools Slip, trip, fall | <ul style="list-style-type: none"> Inspect all tools prior to use Secure the work area Remove slip, trip fall hazards from the work area if possible Complete hands-on training from a journeyman prior to using power tools Clear work area of bystanders Evaluate materials to be drilled for potential hazards (e.g., lead based paint, chemically treated wood, etc.) |
| 2 |  | Bend conduit using conduit bender tool | <ul style="list-style-type: none"> Injury to hands Pinching of hands or fingers Strain/sprain from awkward position | <ul style="list-style-type: none"> Wear gloves, safety glasses, and steel-toed boots Keep hands away from bender head Use proper body positioning when bending conduit |
| 3 |  | Cut conduit with saw (see reciprocating saw JHA) | <ul style="list-style-type: none"> Lacerations Metal debris eye hazards Strain/sprain from awkward position | <ul style="list-style-type: none"> Wear gloves, safety glasses, and steel-toed boots Keep hands away from saw blade Use proper body positioning |
| 4 | | Drill holes and install conduit supports | <ul style="list-style-type: none"> Debris eye hazards Lacerations Strain/sprain from awkward position Respirable and noise hazards Thermal contact/burns | <ul style="list-style-type: none"> Wear gloves and safety glasses Before use make sure drill bits are sharp and not cracked as they can break off creating injury Do not wear loose fitting clothing that can get caught in moving parts. |

| Step | Picture | Step Description | Hazards | Controls |
|------|---|----------------------------|---|--|
| | | | | <ul style="list-style-type: none"> • Keep hair and jewelry out of the drill path. Keep hands away from rotating drill bit • Use proper body positioning • Additional PPE should be worn such as a dust mask or hearing protection when working around wood or metals dust and/or loud ambient noises • When drilling is complete, be careful not to touch the drill bit, it is often extremely hot initially • |
| 5 |  | Drill hole in junction box | <ul style="list-style-type: none"> • Debris eye hazards • Lacerations • Strain/sprain from awkward position • Respirable and noise hazards • Thermal contact/Burns | <ul style="list-style-type: none"> • Wear gloves and safety glasses • Do not wear loose fitting clothing that can get caught in moving parts. Keep hair and jewelry out of the drill path as well. Keep hands away from rotating drill bit • Keep hands away from rotating drill bit • Use proper body positioning • Additional PPE should be worn such as a dust mask or hearing protection when working around wood or metals dust and/or loud ambient noises respectively • When drilling is complete, be careful not to touch the drill bit, it is often extremely hot initially |
| 6 |  | Place conduit | <ul style="list-style-type: none"> • Falls • Strain/sprain from awkward position • Debris eye hazards | <ul style="list-style-type: none"> • Wear safety glasses • Use a ladder to work at heights (See ladder JHA) • Select appropriate height ladder • Position directly beneath work area to avoid over-reaching as this can result in falls |