

Pitched Roof Rope Access Work Plan

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|-------------------------|---------------------|-------------------------|--------------|
| Company Name | Company Contact Rep | Company Contact Phone # | Today's Date |
| Project Name | | | Start Date |
| Host Name | Host Contact Rep | Host Phone # | Finish Date |
| Contact Office Location | | Work Site Location | |

Rope Access Personnel

| Position | Name & Signature | Cell Phone & E-mail | Certification & Training Status | Emergency Contact Information |
|------------------------|------------------|---------------------|---------------------------------|-------------------------------|
| Rope Access Supervisor | | | | |
| Technician | | | | |
| Technician | | | | |
| Technician | | | | |
| Other | | | | |

Work Site Emergency Information

| | |
|------------------------|---------------------------------------|
| Local EMS Contact Info | Local Fire & Rescue Team Contact Info |
|------------------------|---------------------------------------|

Process For Work Completion

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| Description of Work Example: Scope, photo, diagram and document potential storm damage of roofing structures |
| Rope Access Methods Example: Rope Access Guidelines for Pitched Roofing Systems, technicians will work in two man teams |
| Individual Rope Access Equipment Example: ANSI compliant rope access harness w/ Croll ascender, lanyard secured Jumar to central D connection, Rig or Stop descender, 6.5mm Prusik cord attached to redundant connection point at sternal D., Min. 200 ft 10.5 – 11.5mm kernmantle low elongation rope & 50 ft pivot line, leather rope / ridge cap protector sleeve, edge protection, two 12' anchor slings, two 50' lengths of 1" tubular anchor webbing, minimum 4 aluminum two-stage connectors, minimum 2 steel connectors with ANSI rated gates |
| Team Equipment Example: 16', 28' & 40' extension ladders, mechanical advantage rescue kit, first aid kit |
| Individual Personal Protective Equipment Example: Helmet, Gloves, Eye Protection, Roof Walking Footwear |
| Ladder Selection & Use Example: Extension ladders only, double pulls prohibited, stand-off stabilizers and walk-through rails used for all roof access, no access from wood decks or wet surfaces unless ladder base is secured |
| Work Tools Example: tape measurer, camera, roofing crayons, shingle gauge, pitch gauge, clip board w/ graph paper. |
| Means to Secure Work Tools Example: all tools must be secured by tether or inside closable container attached to harness, clip board should be secured to harness equipment loop with aluminum connector |
| Means to Secure Access Zone Example: One team member to secure and prevent unauthorized use of access points |
| Means to Secure Hazard Zone Example: One team member to secure and prevent outsider entry into hazard zone |

| CONDITION | HAZARD | MEETHOD OF CONTROL |
|-----------------------------------|---|---|
| Human Error | <ul style="list-style-type: none"> • Improper system set-up • Incorrect use of belay device | Completion of ground safety checks & buddy checks Redundant belay device connected to sternal d-ring, use of back-up / safety line on slopes of 11/12 pitch or greater |
| Slick / Slippery Surfaces | <ul style="list-style-type: none"> • Loose shingle granules • Wet roofing surface • Icy roofing surface | Use of rope access system on all pitched roofs (even low sloped surfaces) that present slick / slippery conditions that could compromise footing, utilize roof walking footwear |
| Heat / Sun | <ul style="list-style-type: none"> • Heat Exhaustion, Heat Stroke • Burns from roofing surface | Limit roof access to morning hours, stay hydrated Wear gloves and appropriate clothing |
| Sharp or Abrasive Surfaces | <ul style="list-style-type: none"> • Damage to ropes | Utilize edge protection padding and leather ridge cap sleeve, avoid direct anchoring of rope to sharp or abrasive surfaces |
| Electrical Lines | <ul style="list-style-type: none"> • Inadvertent contact with electrical lines | Identify possible threat of electrical lines prior to system set-up, wear ANSI Class-E Helmet, use fiberglass ladders |
| Injury from Ladders | <ul style="list-style-type: none"> • Slips/falls from Ladder • Lateral slippage at eave • Ladder base kick-out | Maintain 3 points of contact while on ladder Utilize ladder walk-through rails Utilize ladder stand-off stabilizer & use ladder cleats on soft ground, avoid set-up on wood decking, slick or inclined surfaces |
| Injury from Dropped Tools | <ul style="list-style-type: none"> • Injury to public and other personnel | Helmets must be worn by all personnel in hazard zone Hazard zone must be kept clear of general public |
| Lightning | <ul style="list-style-type: none"> • Injury or death of rope access worker from lightning strike | All roof access activities must cease at the first indication of lightning and may not continue until 30 min after the last indication of lightning |
| Wind | <ul style="list-style-type: none"> • Injury from falling ladder dislodged from roof system eave by wind • Loss of ground access point | All ladders must be secured at eave with a stand-off ladder stabilizer |
| Rescue and Retrieval | | |
| Self-Rescue | Procedure Example: Preferred means of rescue to be used... | |
| Retrieval Rescue | Procedure Example: Preferred means of rescue for conscious worker incapable of self-rescue to be used... | |
| Pick-off Rescue | Procedure Example: Preferred means of rescue for unconscious worker to be used... | |
| Rescue Kit | Contents Example: first aid kit, mechanical advantage system, rope grabs, prusik cords | |
| Post Job Debrief | | |
| Incident Narrative | Means for future control | |
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