
MODULE 3 – BREACHING-BREAKING-CUTTING-BURNING

AGENDA

DAY 1

- Lecture 1.5 hours
- Rotation 1 2.0 hours
- Lunch 1.0 hours
- Rotation 2 2.0 hours
- Rotation 3 2.0 hours
- Tool cleanup 1.0 hours

DAY 2

- Rotation 4 2.0 hours
- Lunch 1.0 hours
- Funhouse 5.0 hours
- Tool cleanup 1.0 hours

NOTE: Funhouse is one large operation including all four squads.

MODULE 3 – BREACHING-BREAKING-CUTTING-BURNING

Station 1: Horizontal Breach

- Clean, lift out step cut
- Dirty

Station Objectives:

- Demonstrate inspection hole
- Demonstrate a dirty breach
- Demonstrate setting anchor bolts
- Demonstrate step cut and lift out, cribbing and anchor bar
- Demonstrate step cut and lift out using bevel cut

Station needs:

- 6" thick concrete slab with #3 rebar 12" on center grid pattern
- Power cut off saw with diamond blade
- Water source, hudson sprayer
- Core drill
- Rotary Hammer with 3/8" bit
- 3/8" Anchor bolt with hanger or eye
- Torque wrench
- Stanley jack hammer, BR60 or BR90
- Stanley Power unit
- Rebar cutter
- 4X4 dunnage
- 4X4X24" cribbing
- 1" tubular webbing, 16'
- Hearing Protection
- Respirators



MODULE 3 – BREACHING-BREAKING-CUTTING-BURNING

Station 2: Vertical Breach

- Clean, stitch cut
- Dirty

Station Objectives:

- Demonstrate inspection hole
- Demonstrate a dirty breach
- Demonstrate stitch cut using drills
- Demonstrate stitch cut using Stanley DS11 plunge cut
- Demonstrate anchor bolt placement
- Demonstrate belay device for lowering cutout

Station needs:

- 6" thick concrete slab with #3 rebar 12" on center grid pattern
- Rotary Hammer with ½" bit
- Demolition hammer
- Stanley power unit
- Stanley jack hammer, BR60 or BR90
- Stanley DS11 plunge cut saw
- Water source for Stanley
- Core drill
- Cutting torch
- Sawsall
- Anchor bolts with hangers or eye
- Torque wrench
- 1" webbing
- Carabiners
- ½" low stretch rescue rope 30' long
- Upright posts for mounting slabs
- Respirators
- Hearing protection



MODULE 3 – BREACHING-BREAKING-CUTTING-BURNING

Station 3: Cutting and Burning

- Piercing cut
- Line cut
- Cutting tensioned cable

Station objectives:

- Demonstrate piercing cut with exothermic torch
- Demonstrate line cut with exothermic torch
- Demonstrate piercing cut with oxy/acetylene, mapp torch
- Demonstrate line cut with oxy/acetylene, mapp torch
- Demonstrate cutting tensioned cable using oxy/acetylene or mapp
- Demonstrate cutting I-beam with oxy/acetylene or mapp
- Demonstrate cutting I-beam with exothermic torch

Station needs:

- ¼" plate steel
- Steel I-Beam
- ½" Tensioned cable or wire rope
- Exothermic torch with extra rods
- Oxy/acetylene or mapp torch
- Extra tips, tip cleaning tool
- Extra fuel and O2
- Goggles, gloves, chaps, striker
- Fire extinguisher
- Come-along and cable clamps



MODULE 3 – BREACHING-BREAKING-CUTTING-BURNING

Station 4: Confined Space Breaching

Station Objectives:

- Demonstrate vertical breach in confined space
- Demonstrate horizontal breach in confined space
- Demonstrate overhead breach in confined space

Station needs:

- 6” thick concrete slab with #3 rebar 12” on center grid pattern
- Double T’s
- Concrete pipe 48” X 8’
- Core drill
- Demolition hammer
- Stanley power unit
- Stanley jack hammer, Br60 or BR90
- Sawsall with extra blades
- Rebar cutter
- Atmospheric monitor
- Ventilation fan, ducting, power source
- Lighting and extension cords
- Respirators



MODULE 3 – BREACHING-BREAKING-CUTTING-BURNING

Station 5: Fun House

Station Objectives:

- Demonstrate vertical breach
- Demonstrate horizontal breach
- Demonstrate overhead breach
- Demonstrate steel cutting
- Demonstrate patient removal

Station needs:

- 6" thick concrete slab with #3 rebar 12" on center grid pattern
- Double T's
- Concrete pipe 48" X 8'
- Wrecked cars
- Power cut off saw with diamond blade
- Water source, hudson sprayer
- Core drill
- Rotary Hammer with 3/8" bit
- 3/8" Anchor bolt
- Rotary Hammer with 1/2" bit
- Demolition hammer
- Stanley power unit
- Stanley jack hammer, Br60 or BR90
- Stanley DS11 plunge cut saw
- Water source for Stanley
- Sawsall
- 1/4" plate steel
- Steel I-Beam
- Exothermic torch
- Oxy/acetylene or mapp torch
- Chain saws
- Rebar cutter
- Atmospheric monitor
- Fire extinguisher
- Ventilation fan, ducting, power source
- Lighting and extension cords
- Respirators
- Mannequin
- Patient retrieval system (Sked, stokes etc.)

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Note: When setting up breaching stations have students do clean breach first then dirty breach. Otherwise you will compromise your slab.