

# 3 -Scroll Saw 3-D Lighted Projects

By

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# 3 -Scroll Saw 3-D Lighted Projects

City Scape

Deer In Woods Night Light

Vietnam Plague



# 3 -Scroll Saw 3-D Lighted Projects

Project 3

Vietnam Plague

By Buzz Adams



# Project 3

## Vietnam Plague

### Tools:\*

- Table Saw
- Router Table
- Band Saw for Re-sawing
- Planner or Drum sander as required
- Pin Nailer & Compressor

\* Use Best Safety Practices when using Power Tools

# Project 3

## Vietnam Plague

### Materials

Plague Face

$\frac{3}{4}$ " 5  $\frac{1}{4}$ " x 16  $\frac{1}{2}$ " Oak

# Project 3

## Vietnam Plague

### Materials

Plague Face

$\frac{3}{4}$ "  $5 \frac{1}{4}$ " x  $16 \frac{1}{2}$ " Oak

### Mitered Frame

2-top/ bottom  $\frac{1}{2}$ " ( 1' x  $16 \frac{1}{2}$ " )

2-sides  $\frac{1}{2}$ " ( 1' x  $5 \frac{1}{4}$ " )

# Project 3

## Vietnam Plague

### Materials

Plague Face

$\frac{3}{4}$ "  $5 \frac{1}{4}$ " x  $16 \frac{1}{2}$ " Oak

### Mitered Frame

2-top/ bottom  $\frac{1}{2}$ " ( 1' x  $16 \frac{1}{2}$ " )

2-sides  $\frac{1}{2}$ " ( 1' x  $5 \frac{1}{4}$ " )

### Frame Back

$\frac{1}{4}$ " x  $4 \frac{1}{2}$ ' x  $15 \frac{3}{4}$ "

# Project 3

## Vietnam Plague

### Materials (All Oak)

#### Plague Face

$\frac{3}{4}$ "  $5 \frac{1}{4}$ " x  $16 \frac{1}{2}$ " Oak

#### Mitered Frame

2-top/ bottom  $\frac{1}{2}$ " ( 1' x  $16 \frac{1}{2}$ " )

2-sides  $\frac{1}{2}$ " (1' x  $5 \frac{1}{4}$  ")

#### Frame Back

$\frac{1}{4}$ " x  $4 \frac{1}{2}$ ' x  $15 \frac{3}{4}$ "

#### Base

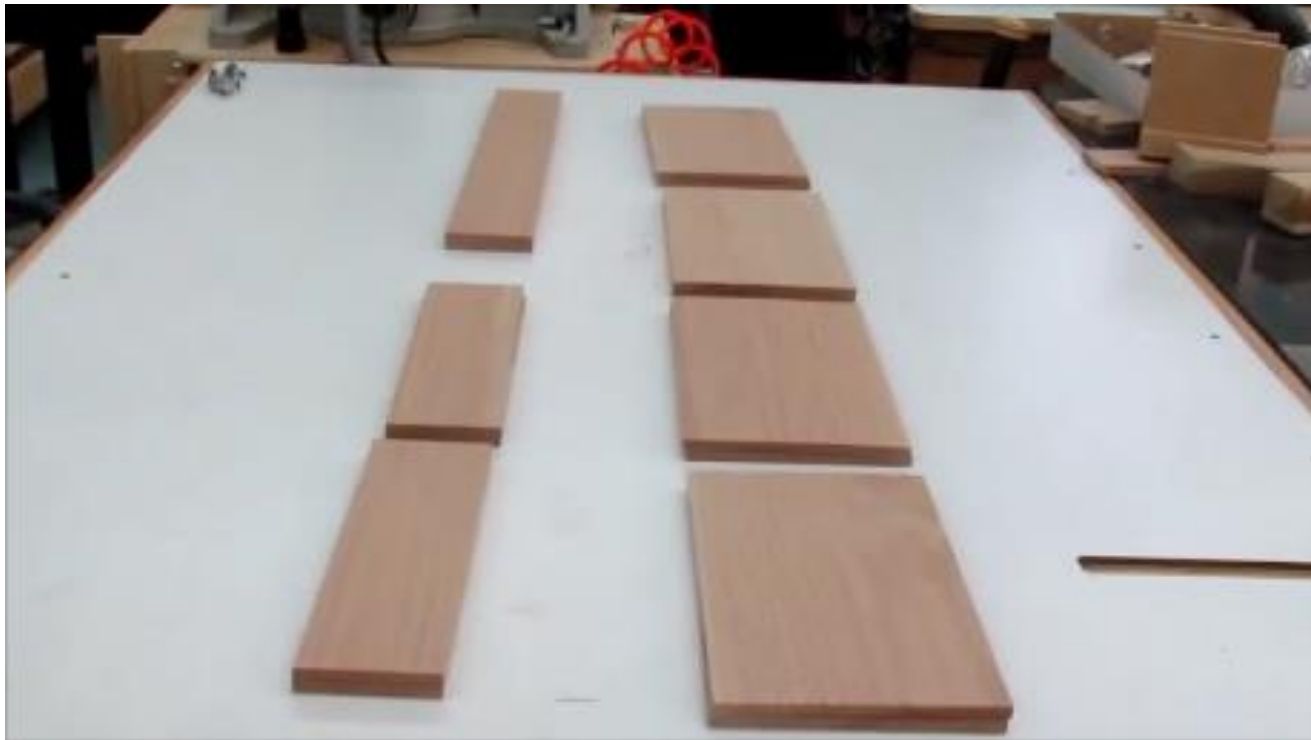
$\frac{3}{4}$  ' 3" x 18"



# Project 3

## Vietnam Plague

### Materials (All Oak)



# Project 3 Vietnam Plague

## Materials (All Oak)



# Project 3

## Vietnam Plague

### Additional Materials

- Lamp = LED string lights
- Connector
- Power Supply

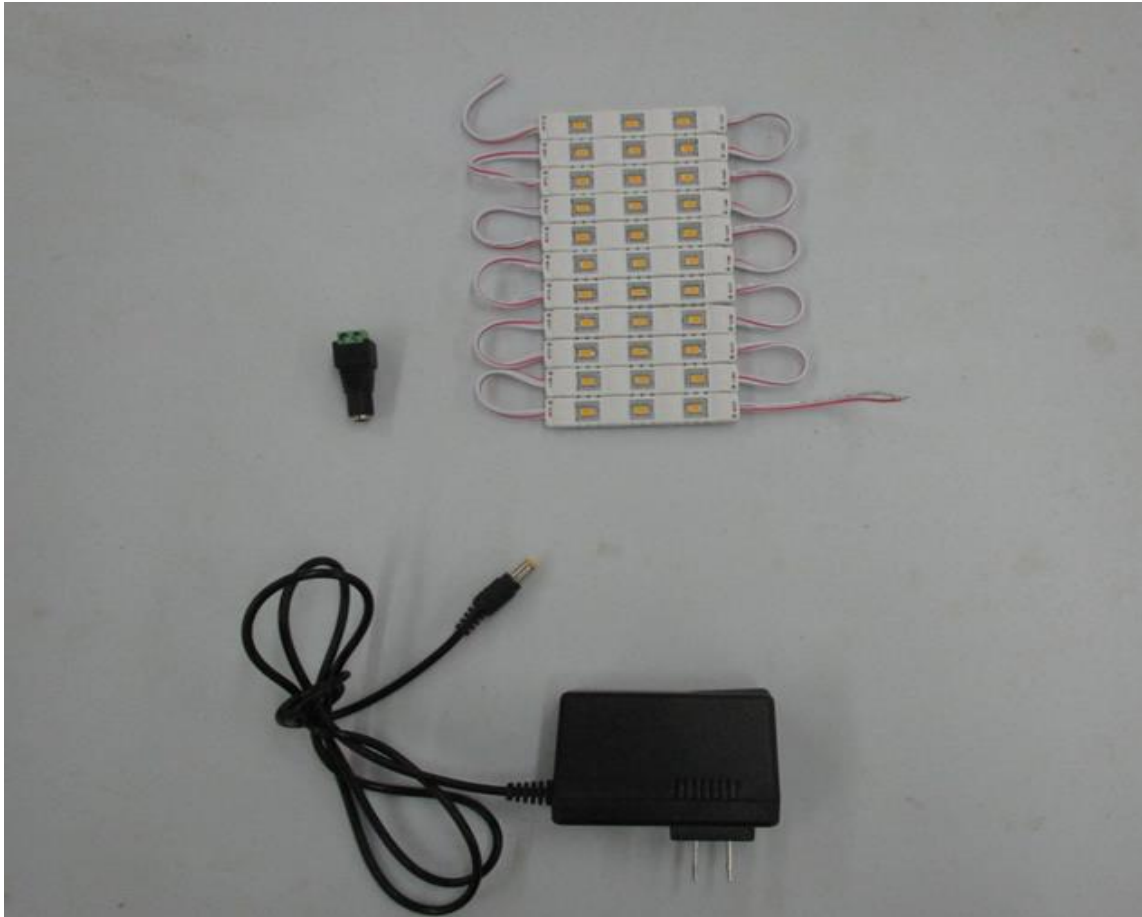
### Misc.:

- Drill with small bits
- Clamps miter corner, screws
- Glue, 77 Spray, solvent, clear tape
- Scroll saw blades: Olson #5 Skip Tooth
- Sand Paper, Finish of choice,

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Lamp Parts; LED Strip, Power Supply, Connector



# Project 3

## Vietnam Plague

# Getting Started

- Prep Raw Materials
  - Cut Wood To Size
    - (Table Saw)
  - Resaw sides, top & bottom to ¼”
    - (Band Saw)
  - Putting an edge on the base
    - (Router)
  - Clean up material as needed
    - (Drum Sander)

# Project 3

## Vietnam Plague

### Cutting the Plague Letters

- Attach Template to the face plate
  - Spray back of pattern with 77 spray
  - Apply Pattern to the face Plate
  - Cover with clear tape
  - Drill starter holes

# Project 3

## Vietnam Plague

Using Scroll-  
Saw Cut out  
the Pattern

# Project 3

## Vietnam Plague

After sizing items are ready for clean up





# Project 3

## Vietnam Plague

Final Prep & Assembly

Remove tape - Remove the Pattern with Solvent



# Project 3

## Vietnam Plague

### Final Prep & Assembly

Remove Tape



# Project 3

## Vietnam Plague

Final Prep & Assembly

Paint Pattern with Solvent



# Project 3

## Vietnam Plague

### Final Prep & Assembly

#### Remove Pattern



# Project 3

## Vietnam Plague

Final Prep & Assembly

Pattern Removed





# Project 3

## Vietnam Plaque

### Final Prep & Assembly

All Clean



# Project 3

## Vietnam Plague

Box Prep & Assembly  
Construction of Mitered Frame

Materials:

2-top/ bottom  $\frac{1}{2}$  ( 1' x 16  $\frac{1}{2}$ " )

2-sides  $\frac{1}{2}$ " (1' x 5  $\frac{1}{4}$  " )

# Project 3

## Vietnam Plague

### Box Prep & Assembly

#### Construction of Mitered Frame

#### Materials:

2-top/ bottom  $\frac{1}{2}$  ( 1' x 16  $\frac{1}{2}$ " )

2-sides  $\frac{1}{2}$ " (1' x 5  $\frac{1}{4}$  " )

#### Tools

Miter Clamps

Pin Nailer

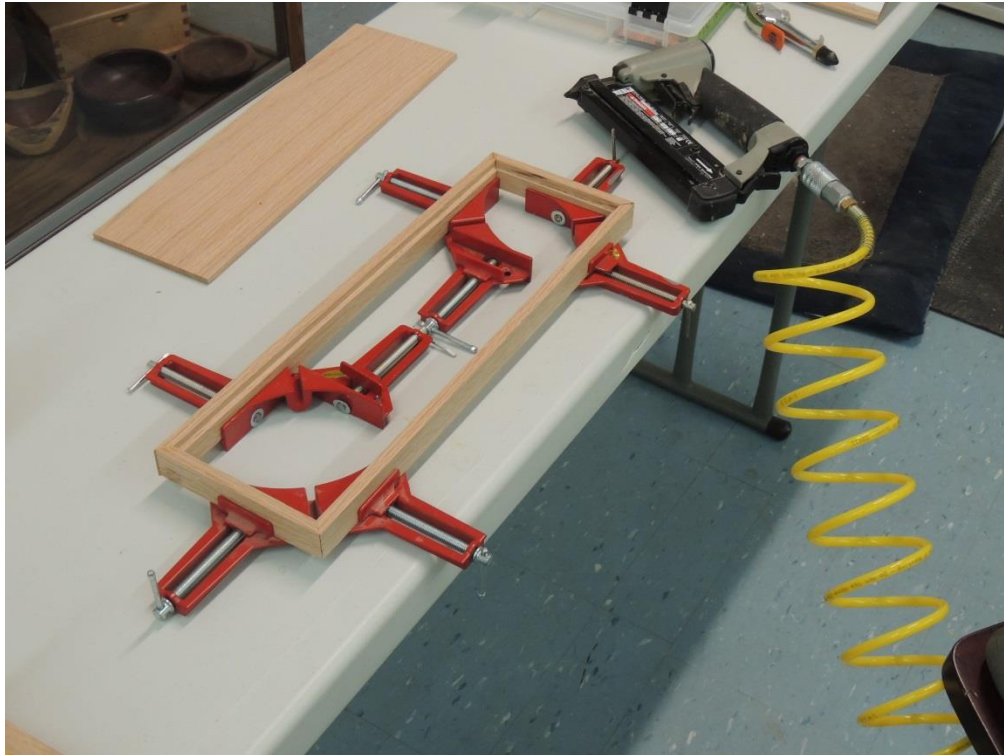


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## Vietnam Plague

Final Prep & Assembly

Set pieces in miter clamps & Pin nail Corners



# Project 3

## Vietnam Plague

Final Prep & Assembly

Insert back plate for fit



# Project 3

## Vietnam Plague

Ready for final assembly



# Project 3

## Vietnam Plague

### Base Prep

#### Prep the sign base

- On the router run a shape around the base
- Sand to grit 220 sand paper

# Project 3

## Vietnam Plague

### Base Prep

#### Prep the sign base

- On the router run a shape around the base
- Sand to grit 220 sand paper
- Pre-drill holes for screws to mount sign
- Add finish of choice before final assemble\*

(\*Note: Mask off the inside of the mitered box where LED lights will be attached)

# Project 3

## Vietnam Plague

### Final Prep & Assembly

#### Electrical wiring

- Attach the LED light on the inside of the frame
- Cut a notch for the cord in the back panel
- Attach the adaptor to the end of the LED wire\*

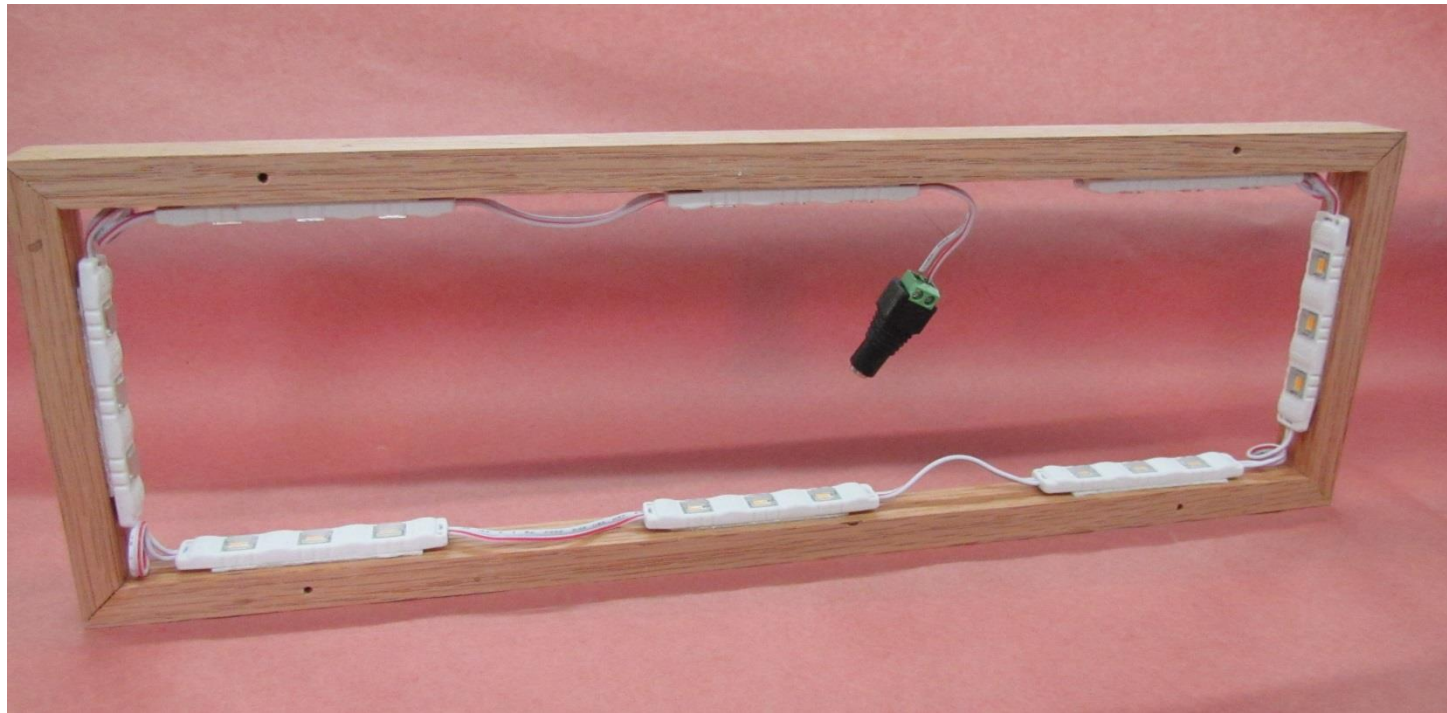
\*Tin the wire ends if needed

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## Vietnam Plague

### Final Assembly

Install the lamps on the sides of the frame



# Project 3

## Vietnam Plague

### Final Assembly

- In frame pre-drill Screw holes for Attaching the face plate.



# Project 3

## Vietnam Plague

### Final Assembly

- In frame pre-drill Screw holes for Attaching the face plate.
- In base pre-drill Screw holes for Attaching the face plate.

# Project 3

## Vietnam Plague

### Final Assembly

- In frame pre-drill Screw holes for Attaching the face plate.
- In base pre-drill Screw holes for Attaching the face plate.
- Attach with screws the face plate to the frame

# Project 3

## Vietnam Plague

### Final Assembly

- In frame pre-drill Screw holes for Attaching the face plate.
- In base pre-drill Screw holes for Attaching the face plate.
- Attach with screws the face plate to the frame
- Attach with screws the face plate and base

# Project 3

## Vietnam Plague

### Final Assembly

- In frame pre-drill Screw holes for Attaching the face plate.
- In base pre-drill Screw holes for Attaching the face plate.
- Attach with screws the face plate to the frame
- Attach with screws the face plate and base
- Install the Back into the mitered box.

# Project 3

## Vietnam Plague

### Final Assembly

- In frame pre-drill Screw holes for Attaching the face plate.
- In base pre-drill Screw holes for Attaching the face plate.
- Attach with screws the face plate to the frame
- Attach with screws the face plate and base
- Install the Back into the mitered box.
- Attach the power supply.

# Project 3

## Vietnam Plague

### Final Assembly

- Plug it in

# Project 3

## Vietnam Plague

Final Assembly

- Plug it in

Light it up

# Project 3









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By Buzz Adams

**Original By: Wooden Teddy bear Pattern TA599**

**<http://www.woodentedybearonline.com>**





Project #3

**The End**



## Project #3

# Things Can GO Wrong



# Project #3

