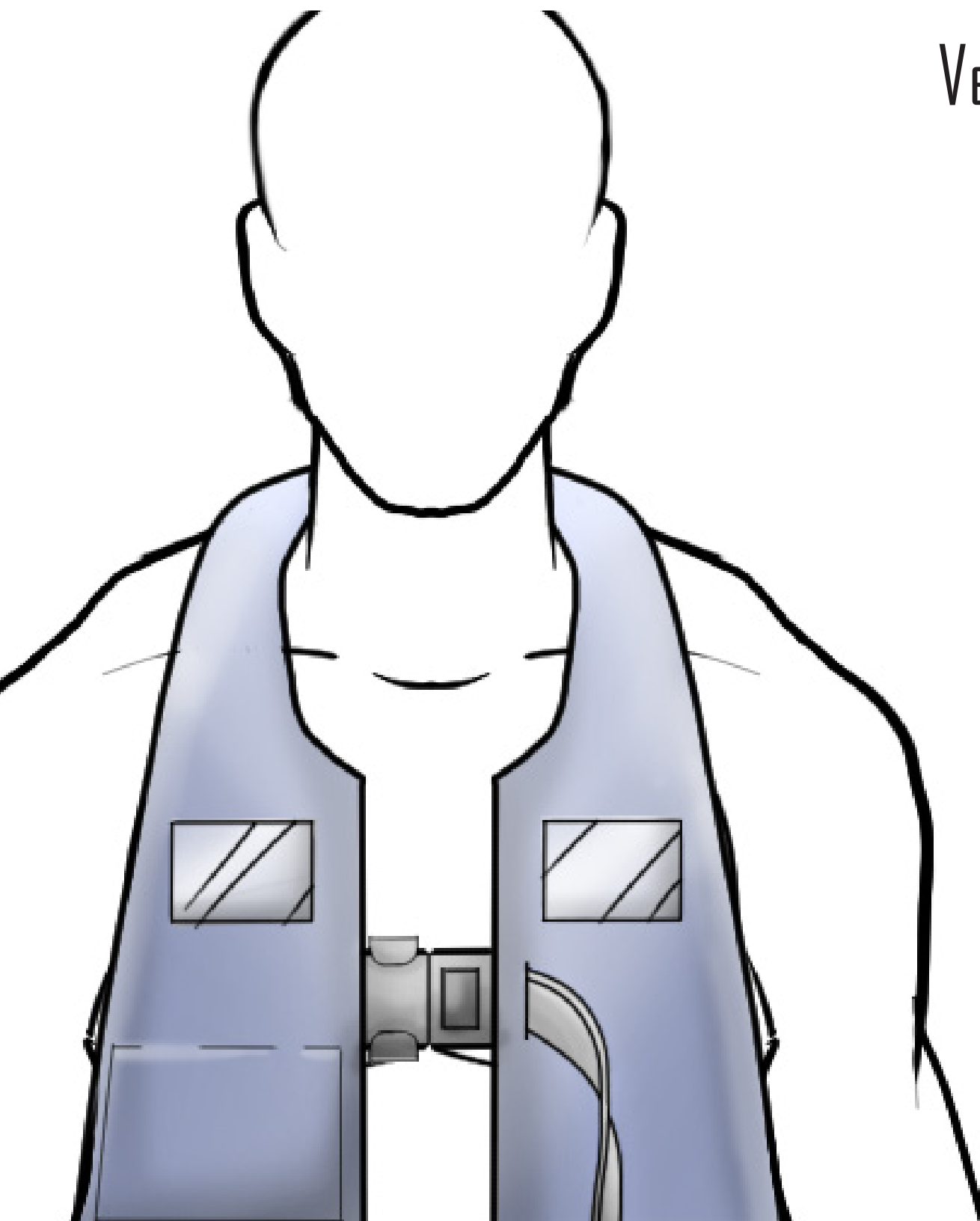# Vest Defibrillator Design (Professional Users)

By Matt Nouv

A.E.D. Introduction

What Is an A.E.D.?

A.E.D. = Automated External Defibrillator

*Use as an **EMERGENCY TOOL** for individual who is having a CARDIAC ARREST

A.E.D. Introduction

Who Am I Designing the A.E.D. for?   Professional users such as:
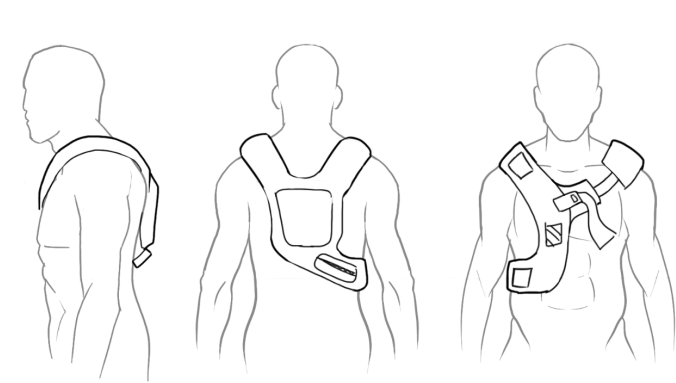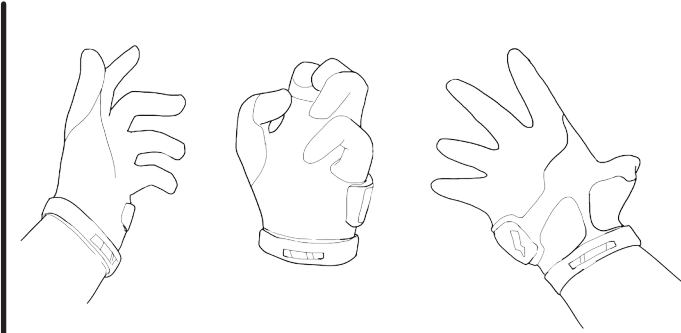

Nurses at Retirement Community

National Guards

Ideation Process
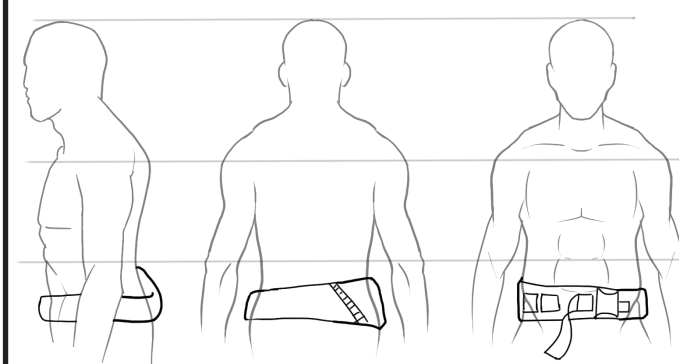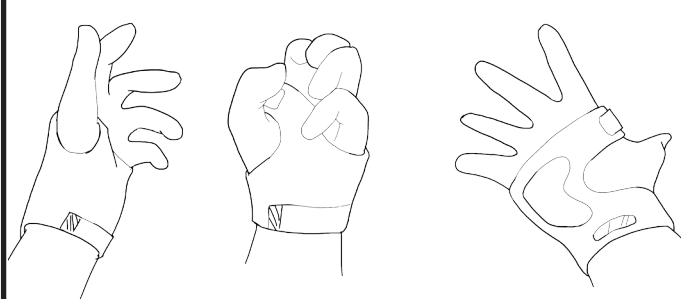
Developing Concepts from heuristics:

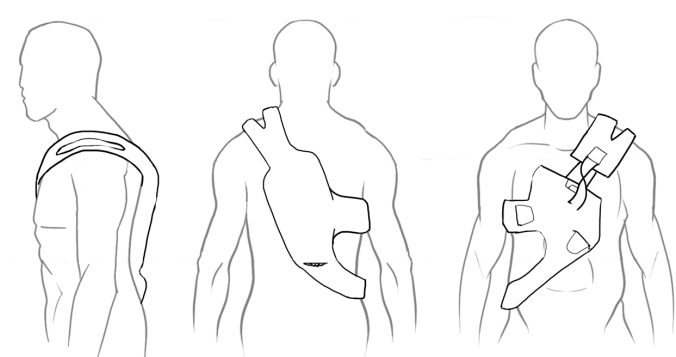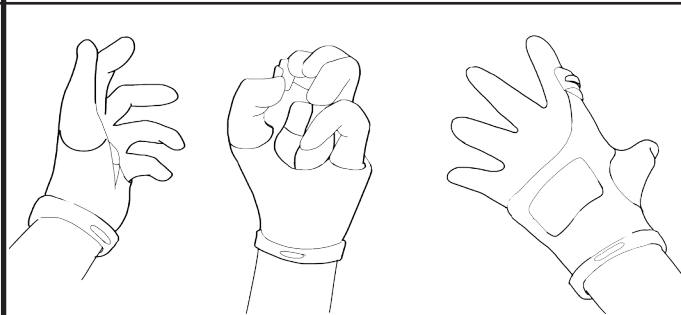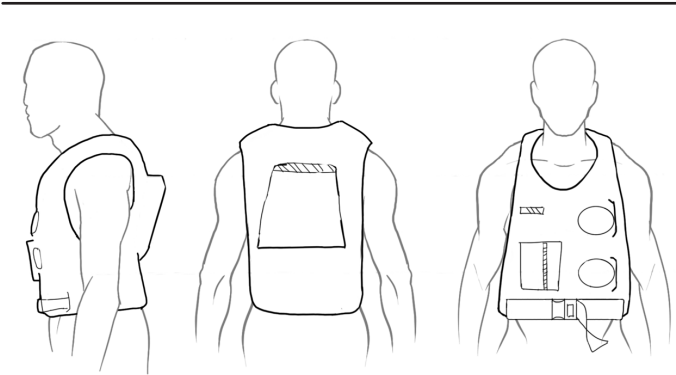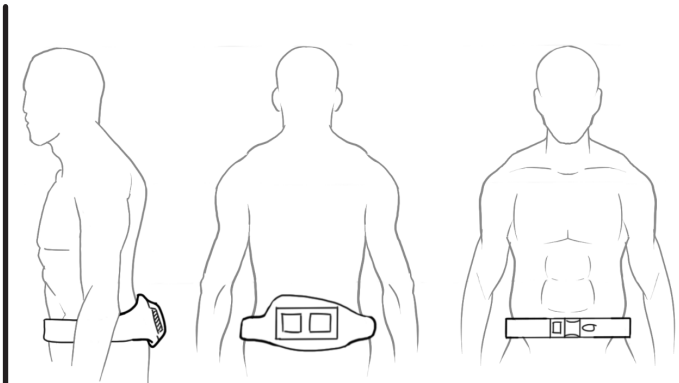Backpack   A.E.D. Glove   Fannypack
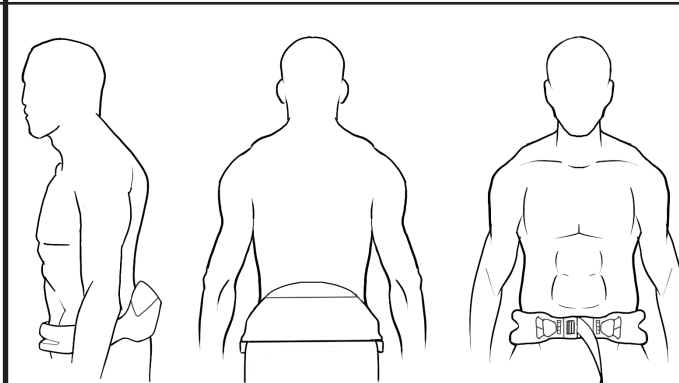
Ideation Process

Portable A.E.D. Vest Design:
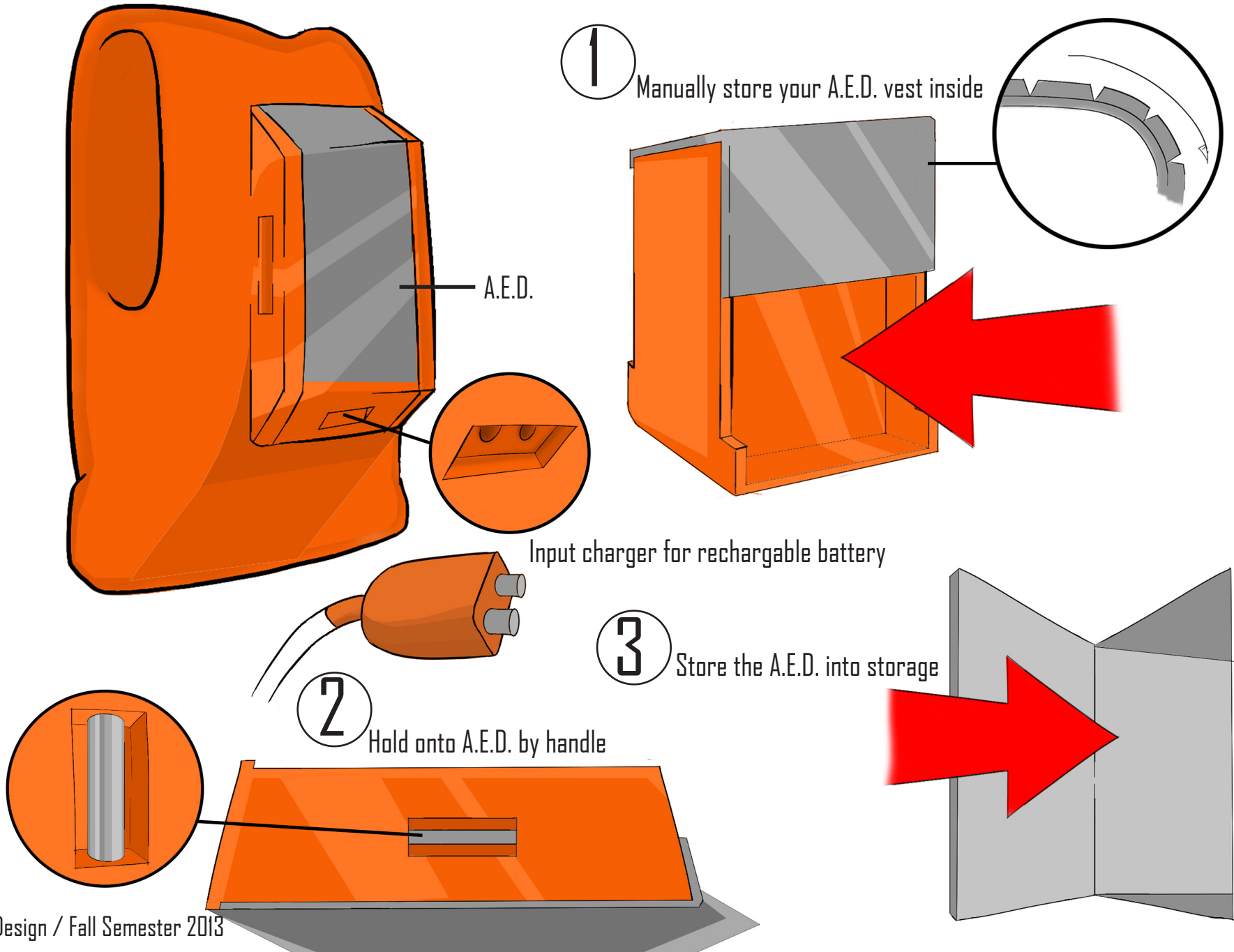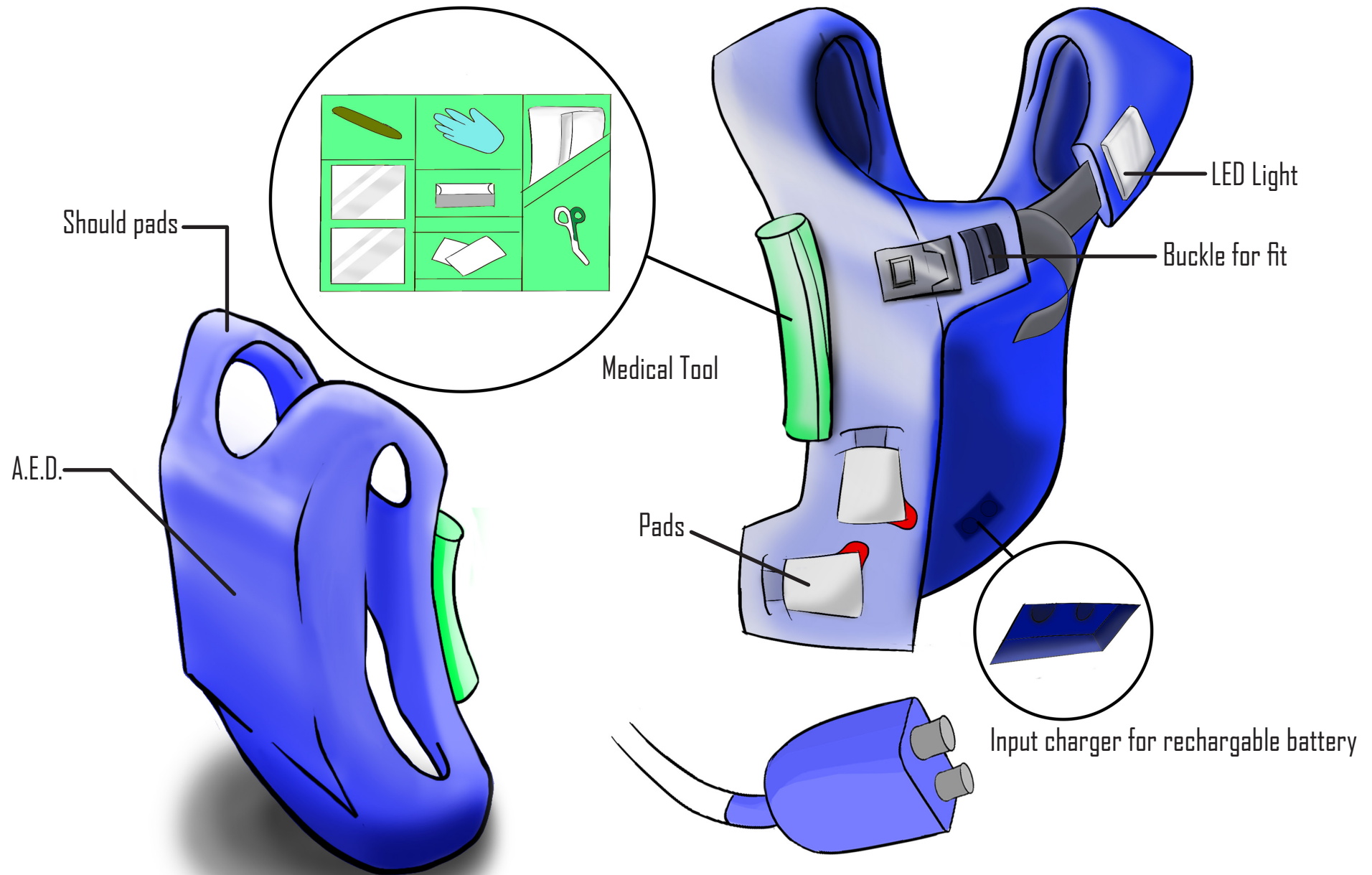
A.E.D.

Input charger for rechargable battery

① Manually store your A.E.D. vest inside

② Hold onto A.E.D. by handle

③ Store the A.E.D. into storage

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Ideation Process

Flexible A.E.D. Backpack Design:

Should pads

Medical Tool

LED Light

Buckle for fit

A.E.D.

Pads

Input charger for rechargable battery

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Ideation Process

Flexible A.E.D. Backpack Design:

Pads

Medical Tool

Input charger for rechargable battery

Buckle for fit

Final Design

Vest Defibrillator Design (Professional Users)

LED Light (Push down 5 seconds for emergency power down)

GPS

A.E.D.

LED Battery status

Flap (protect from damage)

Pads

Buckle and strap fit

Medical Tools

Final Design

Vest Defibrillator Design (Professional Users)

TOP VIEW

A.E.D. Overall size(lxwxd) : **11" x 9" x 4"**

8.5"

Electronic Boards (4" x 4" x .5")

Interaction Board (4" x 5" x .25")

Connector Board (1" x 4" x .5")

Power Entry Module (2" x 2" 1.5")

Custom Battery Pack (2" x 6" x 1")

SIDE VIEW
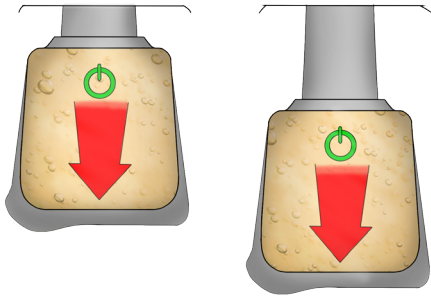
2.5"

10"
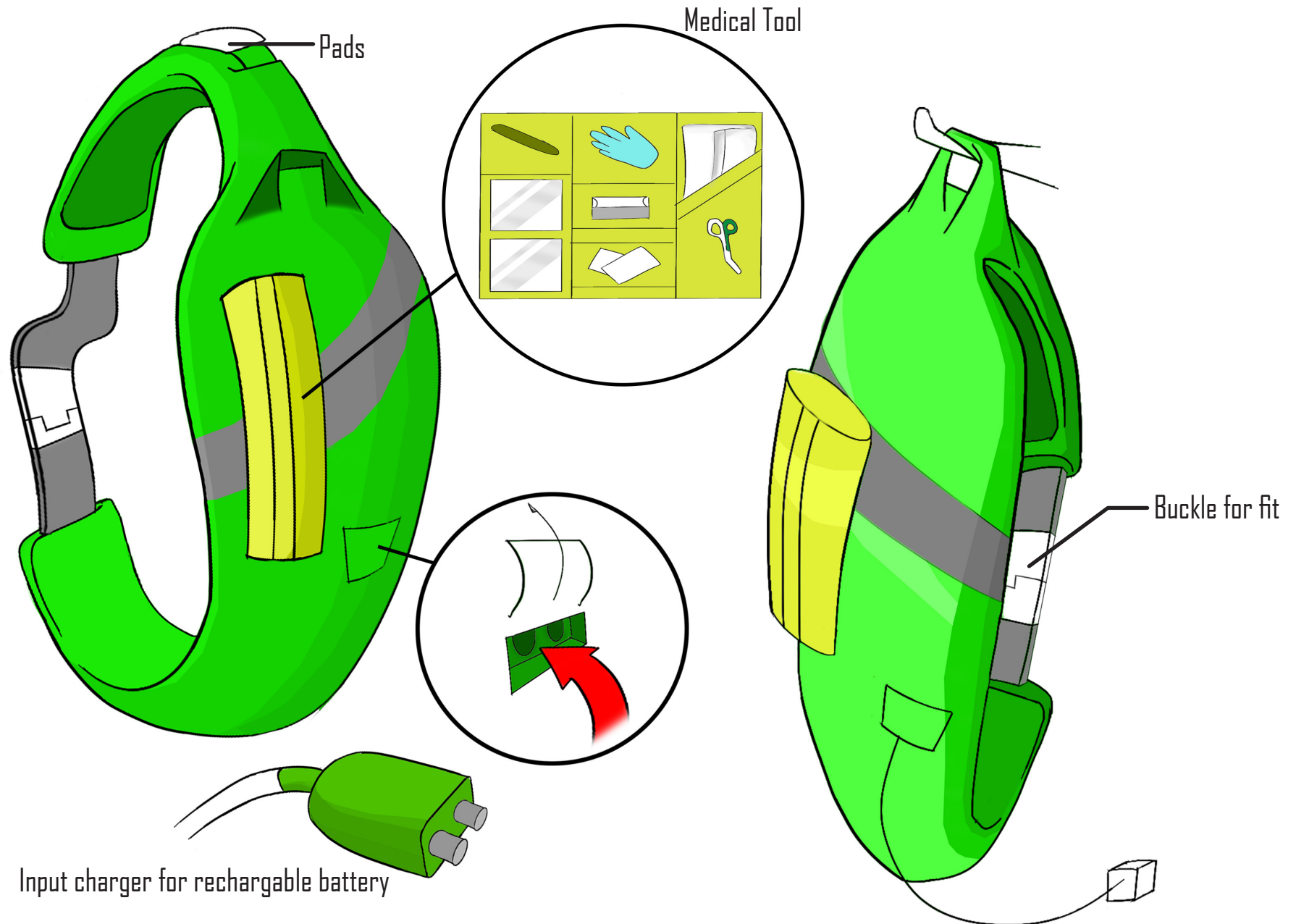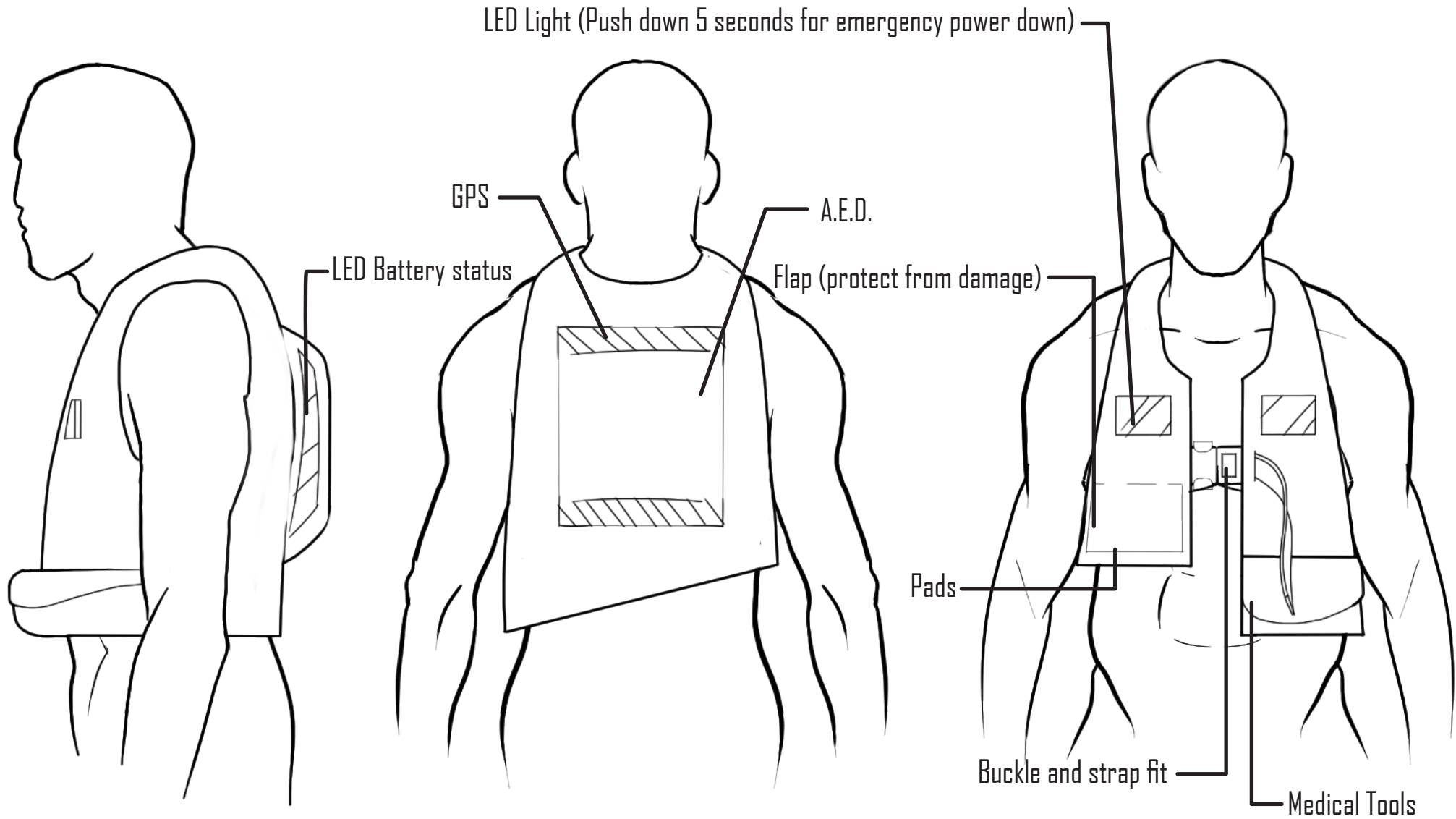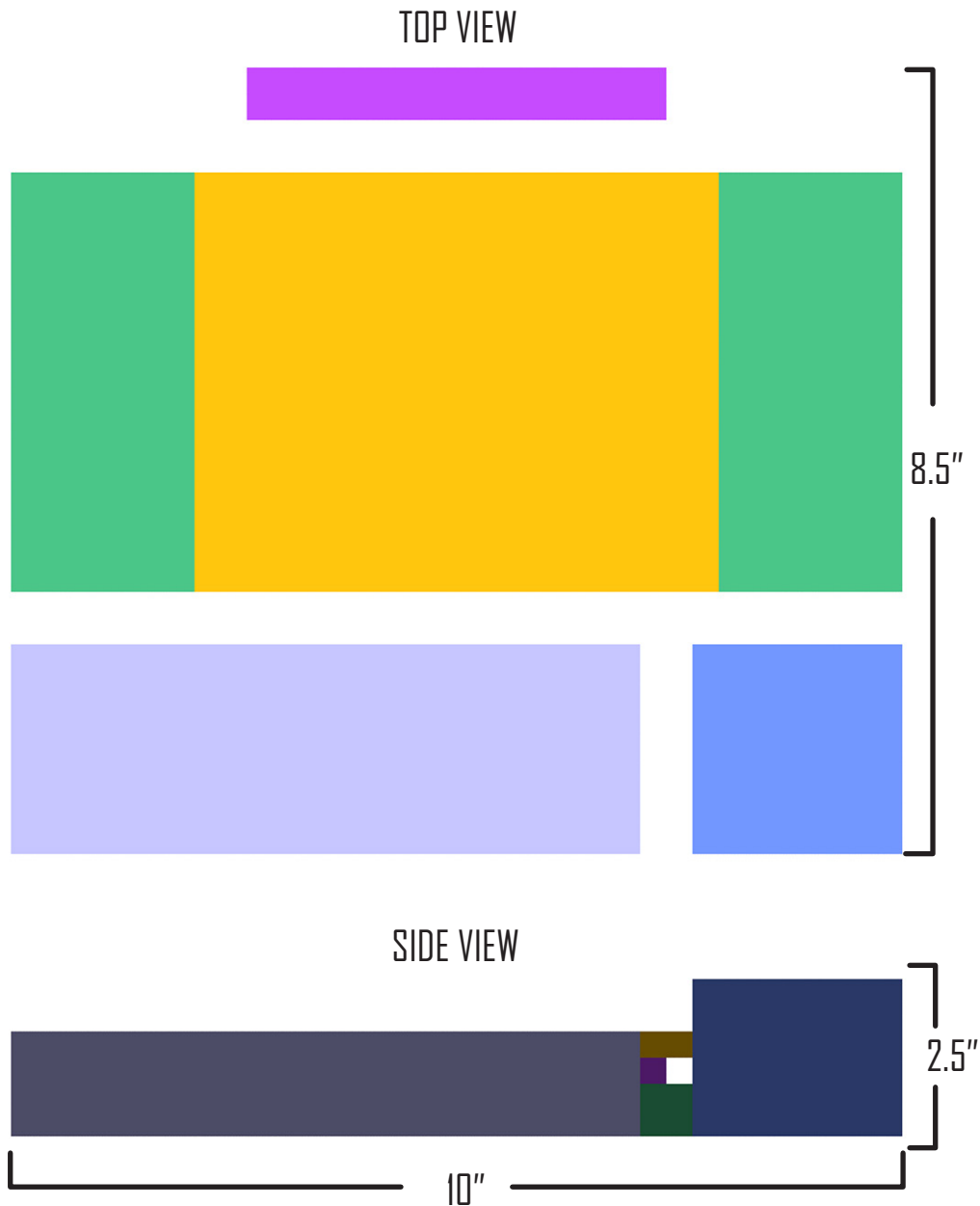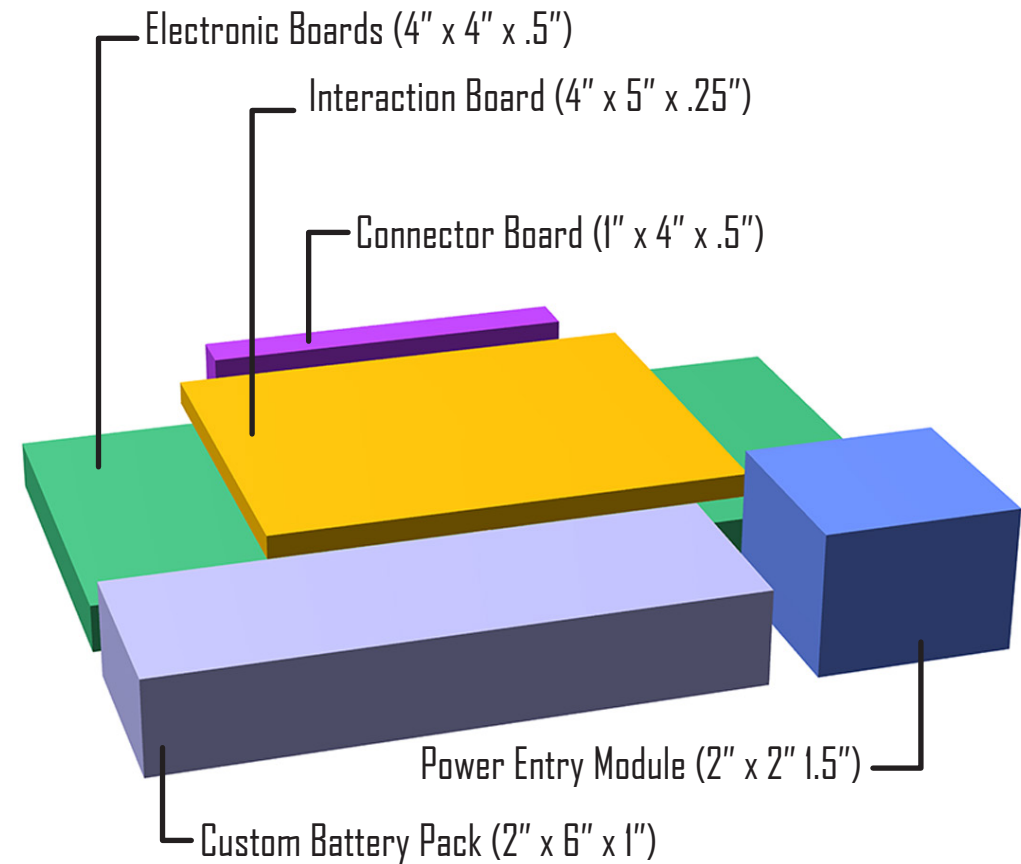
Final Design

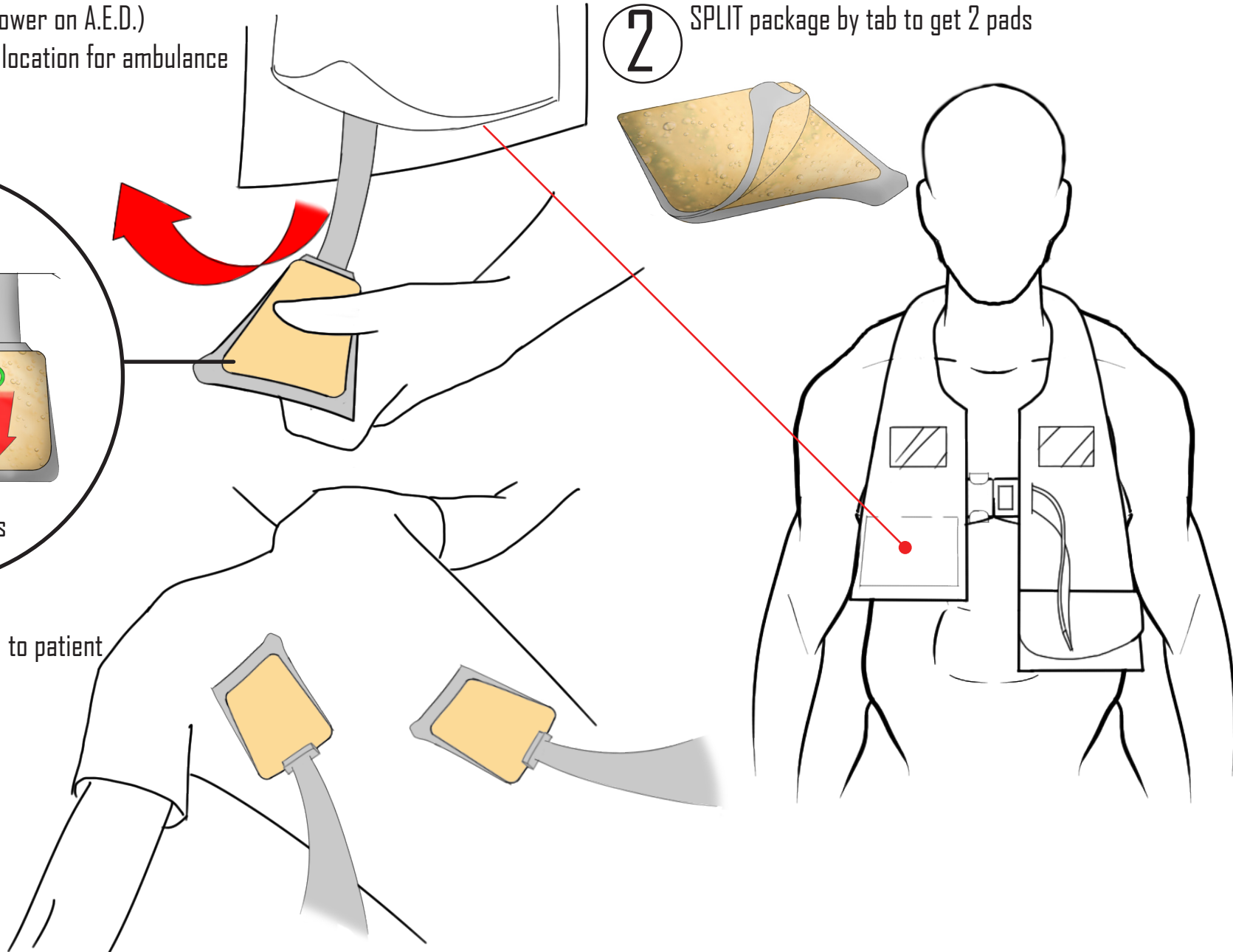## Vest Defibrillator Design (Professional Users)

1 PULL Pads (power on A.E.D.)
Activate GPS location for ambulance

2 SPLIT package by tab to get 2 pads

Child and Adult Pads

3 ATTACH PADS to patient

Final Design