TACTICAL SCOUTING

COURSE OVERVIEW AND INSTRUCTIONAL GOALS

COURSE LENGTH:　　　　　8 Hours (1 Day)

COURSE OVERVIEW

Tactical diagramming is a technique used to determine floor plans by using outside architectural features such as doors, windows, vents, ducts and even the shape of the building itself. Using simple concepts like working from large to small and confidence to ambiguity, students gain knowledge, skills and abilities on how to identify architectural features that provide reliable clues to the locations of interior walls, the types and sizes of rooms and even the location of appliances and wall switches. The course begins with a broad overview on terrain analysis with a focus on urban terrain and the contribution of a reliable floor plan for planning and decision-making. It continues with an explanation of building principles, which heavily influence how residences are constructed. The course will also identify how to diagram houses that have additions or been remodeled, have upper-stories and even structures with multiple-dwellings. The course completes the formal instruction with methods for obtaining reliable intelligence, especially photographs, to enhance the detection of subtle architectural features. The final period is focused on a practical application where students work with each other and instructors on either a class project or using their own photographs, of an actual target location.

INSTRUCTIONAL GOALS

Upon completion of this course the attendee will be familiar with:

1. Tactical diagramming concepts
2. How to read and understand terrain
3. Basic building principles to include materials, design and use
4. How to gather and use scouting intelligence effectively

TACTICAL SCOUTING

DAY TO DAY / HOUR TO HOUR AGENDA

DAY ONE

Hours:	Instruction:
0800-0815	Course Administration
0815-0900	Why It Works: Intro to Tactical Diagramming
0900-1000	Terrain Analysis
1000-1100	Understanding Urban Terrain
1100-1200	Building Principles
1200-1300	Lunch
1300-1400	Rooms, Roofs / Vents, Doors, Windows
1400-1500	Gathering Intelligence
1500-1700	Practical Exercise

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COURSE OUTLINE

I. Preface

    A. Course Overview
    B. Instructional Goals
    C. Agenda
    D. Outline
    E. Co-Host Logistics

II. Why It Works

    A. Building Codes and Practices
    B. Coup d'oiel
    C. CADD (Computer Assisted Drafting and Design)

III. Terrain Analysis

    A. Impact of Terrain on Operations
    B. Terminology

IV. Understanding Urban Terrain

    A. History and Division of Land
    B. Factors Influencing Building Construction

V. Building Principles

    A. Building Materials
    B. Wall Identification
    C. Three Parts of a Residential House

VI. Rooms

    A. Identifying Features
    B. Room Types

VII. Roofs and Vents

    A. Roof Features correlated to Structural and Mechanical Locations
    B. Reverse Floor Plan

VIII.   Doors

     A.   Types and Usage

IX.   Windows

     A.   Types and Usage

X.   Extra Rooms, Extra Stories and Extra Dwellings
     A.   Detecting Additions
     B.   Apartments, Hotels and Townhomes

XI.   Gathering Intelligence

     A.   Photography and Reverse Diagramming

XII.   Final Practical Application

TACTICAL SCOUTING

CO-HOST LOGISTIC REQUIREMENTS

CLASSROOM

Adequate seating for up to 34 students with tables, good ventilation
Marker board and markers
Flip chart with paper

AUDIO VISUAL

LCD Projector for computer presentation
Large projection screen (minimum of 6'x6' screen size)
Speaker system to connect to laptop for audio
Extension cord and power strip
AV table or cart

OTHER

Access to copier

TACTICAL SCOUTING

STUDENT EQUIPMENT LIST

INDIVIDUAL

Law Enforcement ID
This course is conducted entirely in the classroom
Laptop is helpful to the student, but not mandatory

Student Attire:
Business casual dress may be worn