

DEPARTMENT: Inspection
 COURSE: Inspec 014
 TITLE: Advanced Construction Inspection (National Electrical Code)

WORKSHEET

Course Objectives (not part of SLO-but derives SLO)	Outcome	Activity	Assessment
UFFER Ground Rod	Students will be able to evaluate Uffer Ground Rods for type of material, length, location in footings, and support.	Students will read Chapter two of the Electrical Code to determine specifications for service ground rods.	Students will read construction drawings and complete a companion workbook assignment to identify the components of Uffer Ground rods.
Driven Ground Rods.	Students will be able to identify Driven Ground Rods for type of material, length, and location to the service panel.	Students will read Chapter two of the Electrical Code to determine specifications for driven ground rods.	Students will read construction drawings and complete a companion workbook assignment to identify the components of driven ground rods.
Service Main	Students will be able to determine the minimum ampere rating of a residential service main	Students will read chapter two of the Electrical Code to obtain the formula for determining the minimum ampere size of a service main.	Students will calculate the minimum ampere size of a residential service main.

SLO #1

Students will be able to analyze a UFFER grounding electrode installation for location in footings, rebar size, and compare the installation to California Electrical Code requirements for a UFFER ground.

SLO #2

Students will read construction plans to analyze a structures electrical load requirements and determine the minimum ampere rating size of an electrical service main breaker as established by the California Electrical Code.