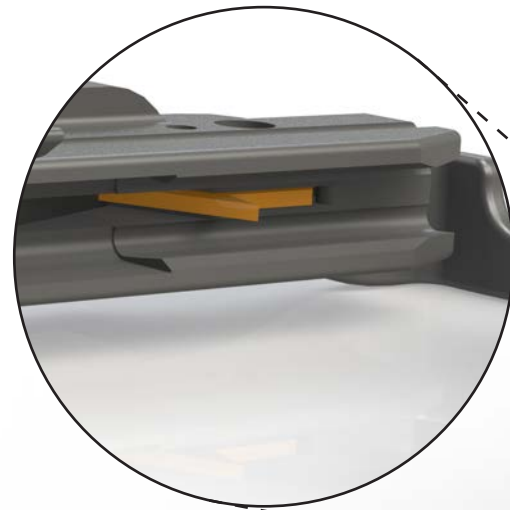


LOW VOLTAGE CONNECTOR

LOW PROFILE ELECTRICAL CONNECTOR FOR LANDSCAPE LIGHTING





PRESS FIT WIRE PIERCING
CONNECTOR DETAIL

THIN WALL AREA TO
ALLOW THE WALL TO
FLEX SLIGHTLY

LIVING HINGE AND WIRE
CRADLE CUT OUT

FIXTURE WIRE TERMINATION HOLE

FINGER PRESS PADS

LATCH TO HOLD
CONNECTOR SHUT

CHANNEL TO HOLD WIRE

MATERIAL: NYLON

TOOLING: THE CONNECTOR SHOULD BE
MANUFACTURED WITH A MULTI-CAVITY, OPEN AND
SHUT TOOL WITH A SINGLE PERPENDICULAR SLIDE



FRONT



TOP



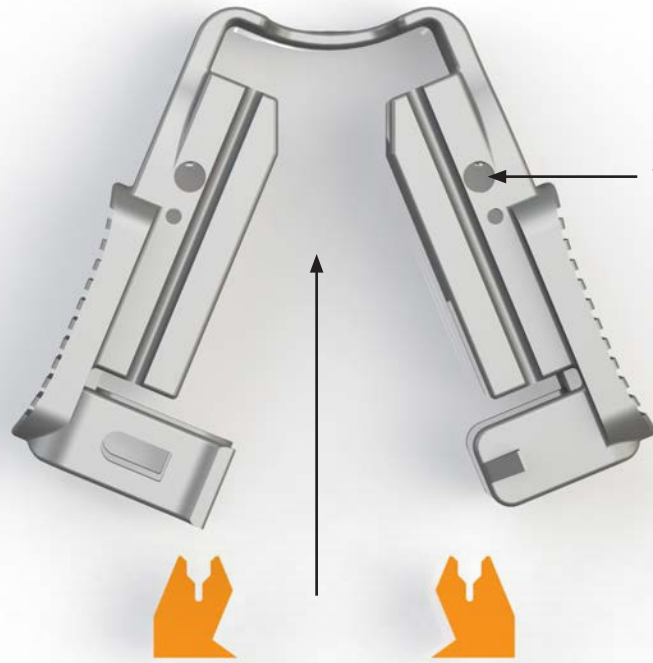
SIDE



OPEN



SHUT

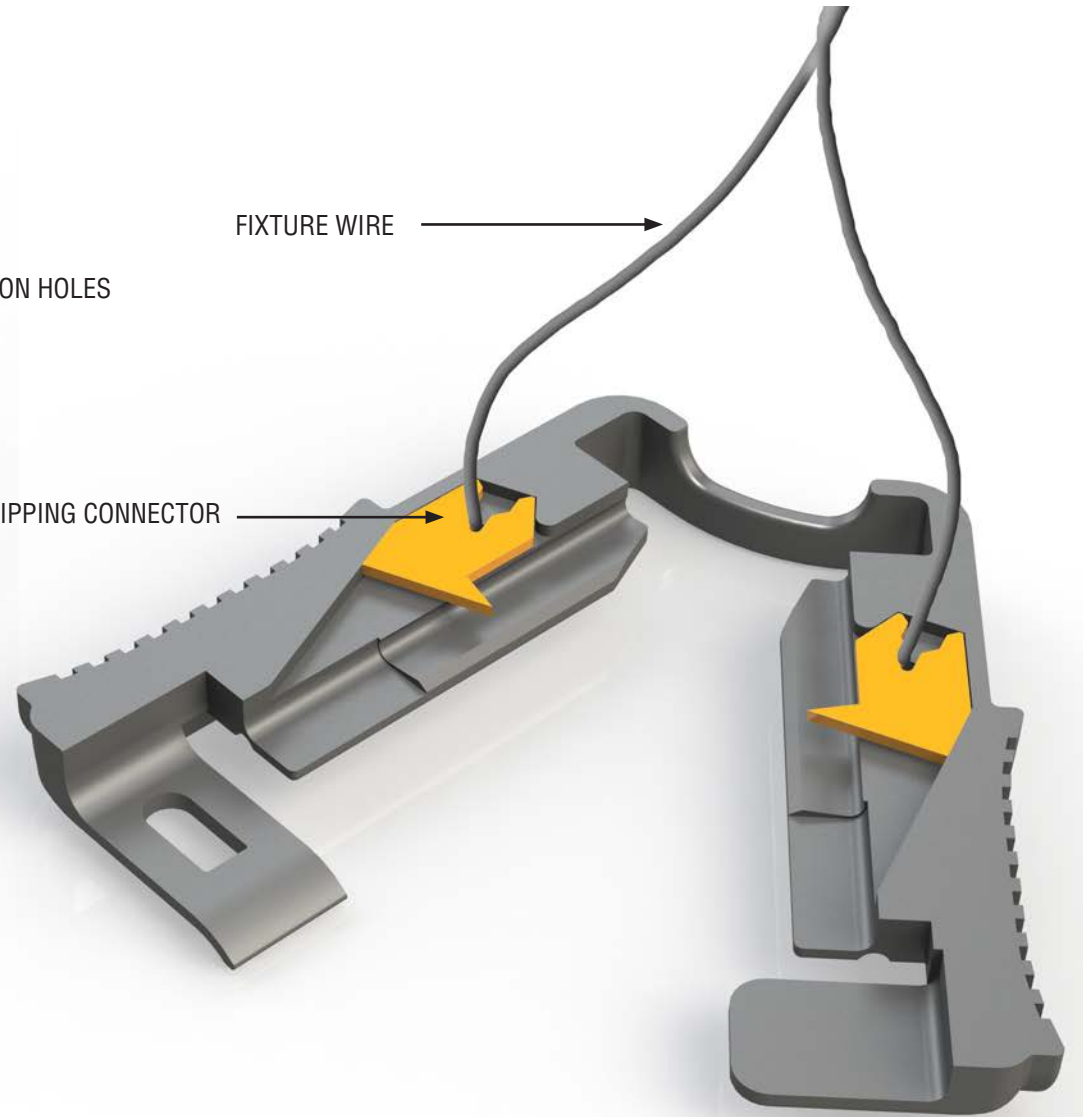


WIRE TERMINATION HOLES

ASSEMBLY PROCESS

1. WIRE IS PLACED INTO THE WIRE TERMINATION HOLES
2. THE WIRE STRIPPING CONNECTORS ARE PRESSED INTO PLACE
3. THE CONNECTOR STRIPS THE WIRE AND MAKES A CONNECTION

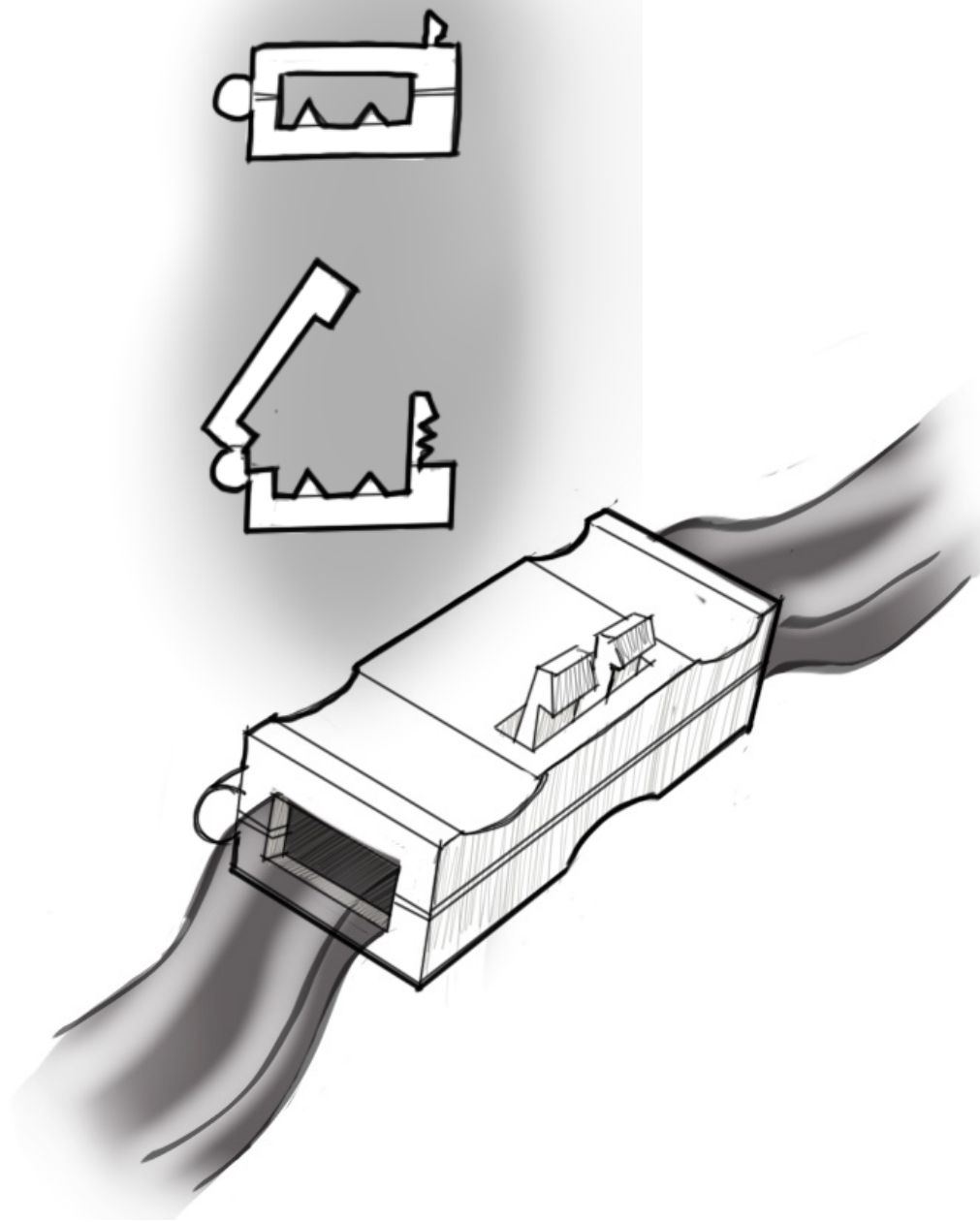
(THIS PROCESS IS SIMILAR TO THE MALIBU CONNECTOR)



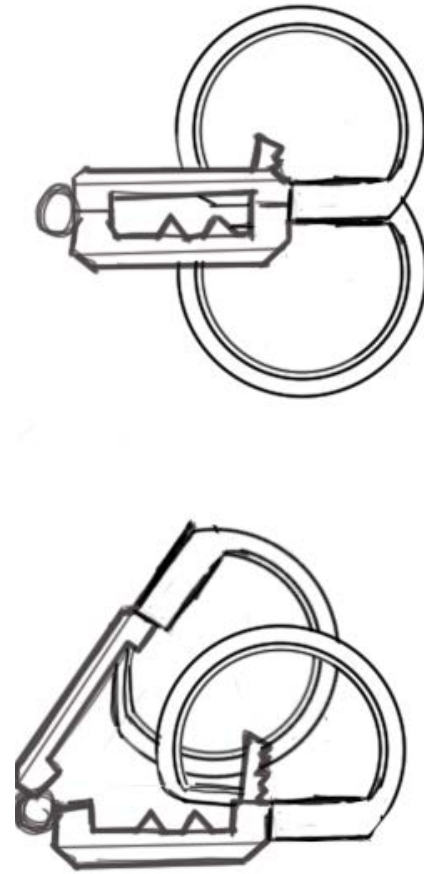
FIXTURE WIRE

WIRE STRIPPING CONNECTOR

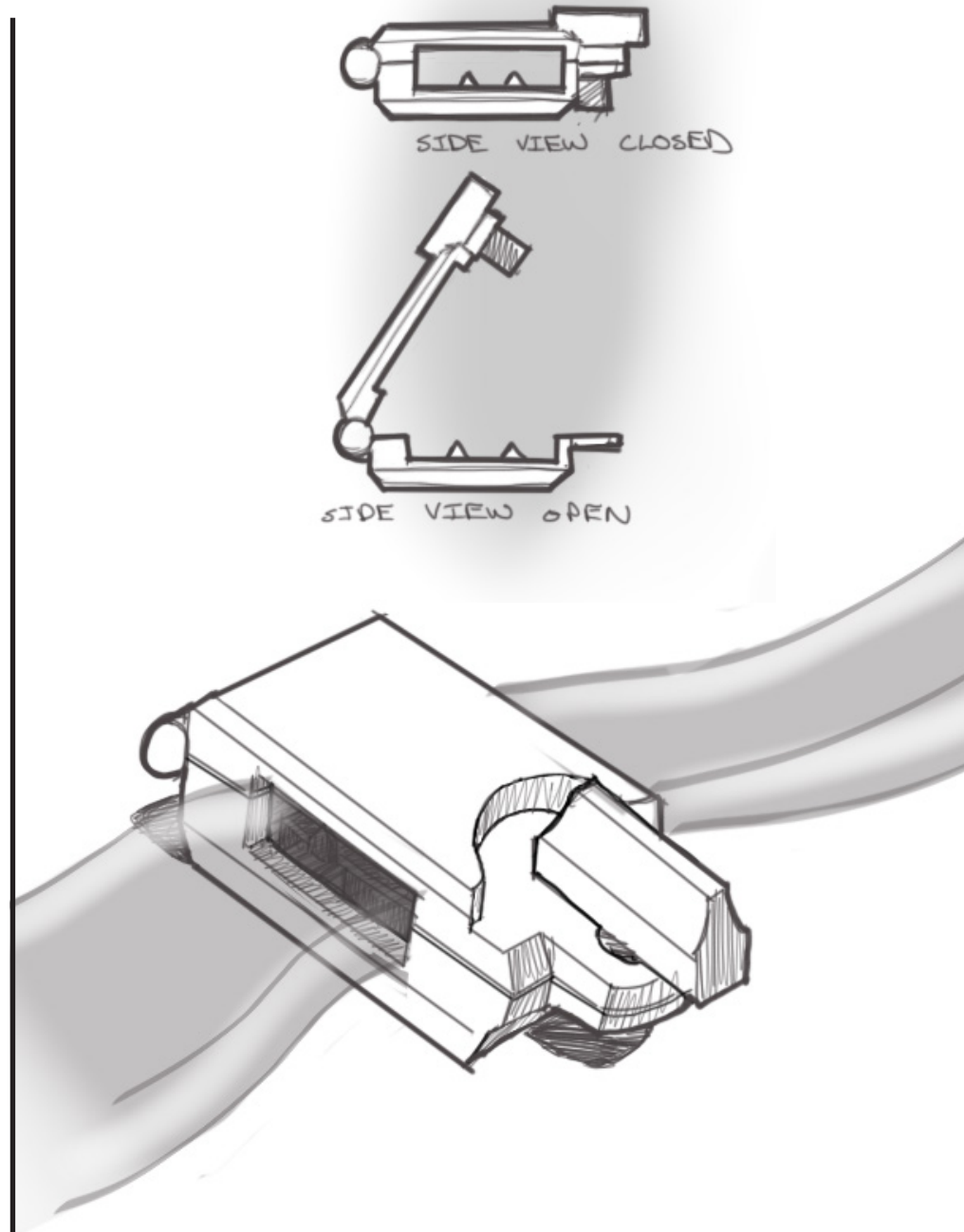
CROSS SECTION EXPOSING CONNECTOR INSERTED INTO PART



CONCEPT 1



CONCEPT 2



CONCEPT 3