

PickBeamFromStorage(gid, bid)

RFL Robot - Free Motion

Bring **Gripper**(gid) to approach pickup location of **Beam**(bid)

RFL Robot - Linear Motion

Gripper move to the pickup location

TC

Operator - Load Beam

Place **Beam**(bid) into the gripper jaw

Gripper(gid) - Close Gripper

Hold onto the beam

Robotic Arm - Linear Motion

Move beam upwards to clear the pickup table

PlaceBeamOnGround(gid, bid)

RFL Robot - Free Motion

Bring **Gripper**(gid) holding **Beam**(bid) to approach target location on the ground

RFL Robot - Linear Motion

Move **Beam**(bid) to the ground position

Operator - Fix Beam Position

Fixes the beam to ground platform or temporary foundation.

Gripper - Open Gripper

Release the beam from the robot

RFL Robot - Linear Motion

Retrack Gripper to clear the beam.