```
function plotMomentCurvature(figName, folder, direction)
  arguments;
     figName = "temp";
     folder = "static_EW_force";
     direction = "EW";
  end

  idx = getMaxDispIdx(folder);

   try
      [~, kx, ky, ~] = readvars(".\" +folder+ "\Results_static\SecD_W1_base.txt");
      [~, Mx, My, ~] = readvars(".\" +folder+ "\Results_static\SecF_W1_base.txt");
   catch
      [~, kx, ky, ~] = readvars(".\" +folder+ "\Results_dynamic\SecD_W1_base.txt");
      [~, Mx, My, ~] = readvars(".\" +folder+ "\Results_dynamic\SecF_W1_base.txt");
   end

   figure(1); hold on;
   set(gca,'DefaultLineLineWidth',2)
   title('Moment Curvature of Base Section');
   if direction == "EW"
      plot(ky,My,'r','DisplayName','Wall 1');
      scatter(ky(idx),My(idx),50,'ks','filled','HandleVisibility','off') % Wall 1
   elseif direction == "NS"
      plot(kx,Mx,'r','DisplayName','Wall 1');
      scatter(kx(idx),Mx(idx),50,'ks','filled','HandleVisibility','off') % Wall 1
   end

   try
      [~, kx, ky, ~] = readvars(".\" +folder+ "\Results_static\SecD_W2_base.txt");
      [~, Mx, My, ~] = readvars(".\" +folder+ "\Results_static\SecF_W2_base.txt");
   catch
      [~, kx, ky, ~] = readvars(".\" +folder+ "\Results_dynamic\SecD_W2_base.txt");
      [~, Mx, My, ~] = readvars(".\" +folder+ "\Results_dynamic\SecF_W2_base.txt");
   end

   if direction == "EW"
      plot(-ky,-My,'b','DisplayName','Wall 2');
      scatter(-ky(idx),-My(idx),50,'ks','filled','DisplayName','Max. Drift') % Wall 2
   elseif direction == "NS"
      plot(-kx,-Mx,'b','DisplayName','Wall 2');
      scatter(-kx(idx),-Mx(idx),50,'ks','filled','DisplayName','Max. Drift') % Wall 2
   end

   legend('Location','Best');
   grid on;
   box on;
   if direction == "EW"
      xlabel('Curvature \kappa_y [1/in]');
   elseif direction == "NS"
      xlabel('Curvature \kappa_x [1/in]');
   end

   ylabel('Moment [kip-in]');

   print_figure(figName)
end
```