```
function ploteqconstraints(Aeq, beq, varargin)
% Plot equality contstraints for a 2D linear optimization problem
% in standard form
%
%   min c'*x    subject to:   A*x = b, x >= 0
%    x
%
%
% ploteqconstraints(Aeq, beq, varargin)
%
%   Aeq: Nx2 matrix
%   beq: Nx1 vector
%   varargin: Name,Value used for specs for plotting

N = size(Aeq,1);

for i = 1:N
    temp = num2cell(Aeq(i,:));
    [ai1, ai2] = temp{:};
    bi = beq(i);

    p1 = [bi / ai1; 0];
    p2 = [0; bi / ai2];

    x = linspace(p1(1), p2(1));
    y = linspace(p1(2), p2(2));

    plot(x, y, varargin{:});
end  % for

end  % function
```