

气压控制回路图2



气压控制回路图			材料		比例	
			数量	1	图号	
制图	封俊超	2012.6	哈尔滨工程大学			
审核						

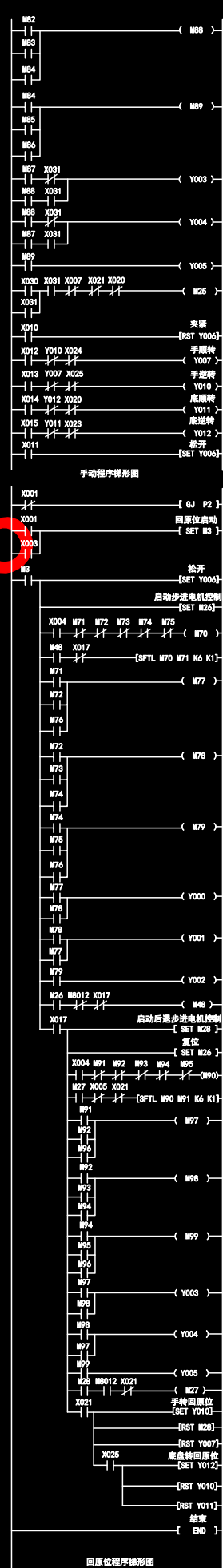
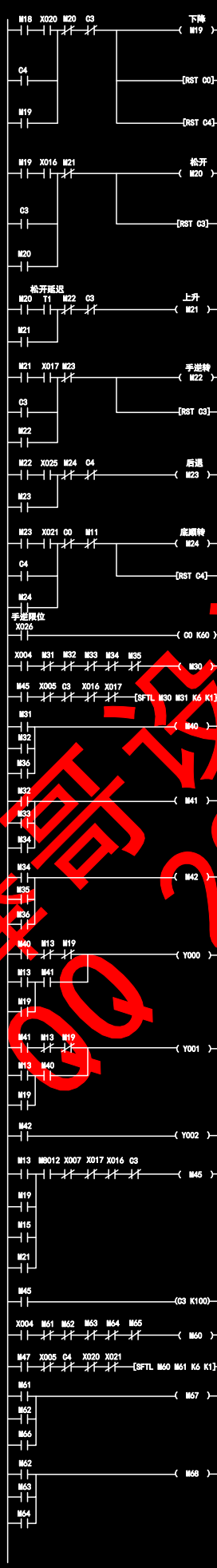
Figure 1-1-1 is a ladder logic diagram for the PLC control of a double-acting hydraulic cylinder. The diagram is organized into two main sections: the top section for initial setup and the bottom section for the main control sequence.

Initial Setup Section:

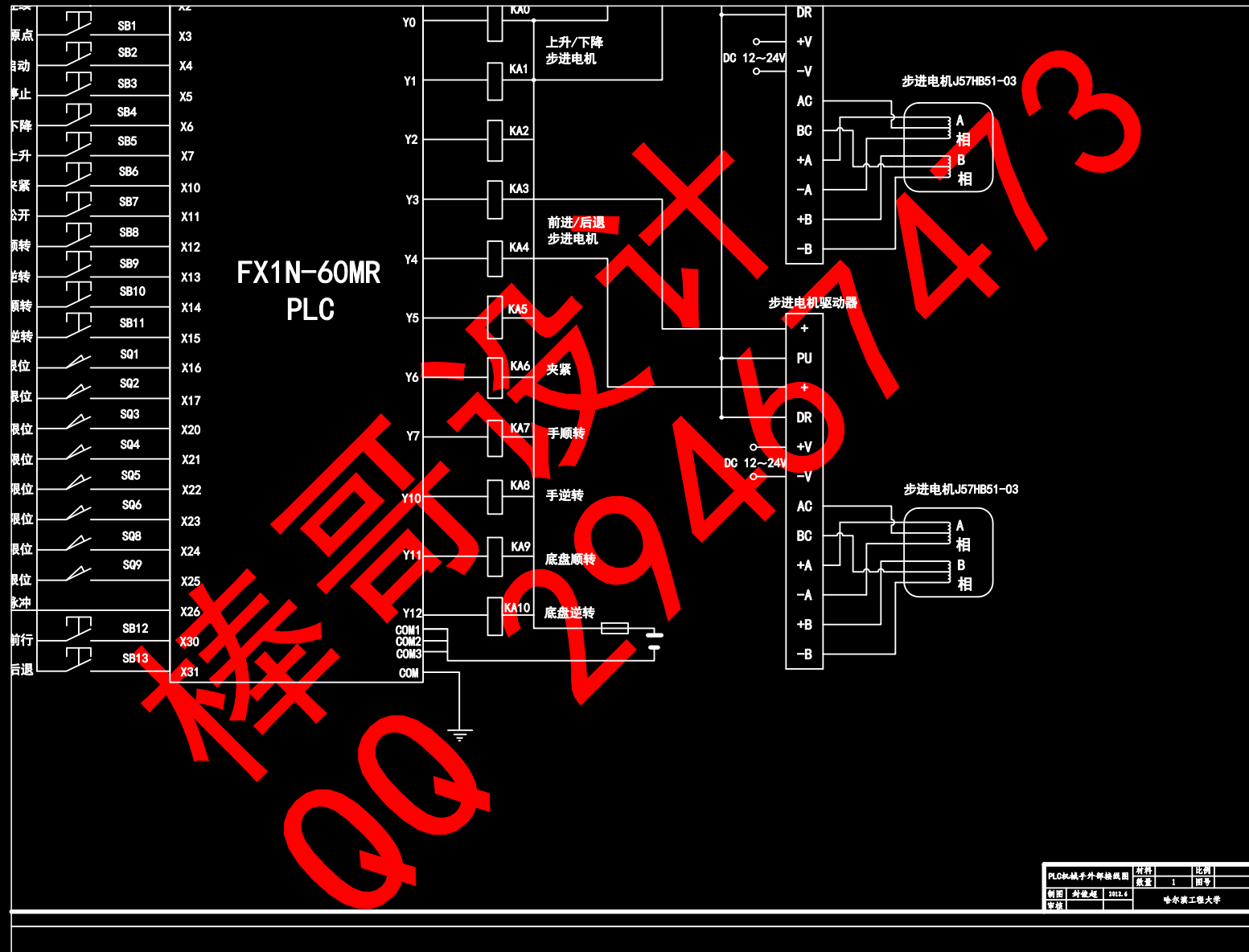
- Initial Positioning:** When the cylinder is at the initial position (X000), the initial limit switch (X001) is triggered, setting the initial position flag (M10) and resetting the initial position flag (M10).
- Limit Switches:** The initial position limit switch (X001) is used to reset the initial position flag (M10) and to reset the initial position flag (M10).
- Interlocks:** The initial position limit switch (X001) is used to reset the initial position flag (M10) and to reset the initial position flag (M10).

Main Control Sequence Section:

- Extension Control:**
 - Forward Extension:** When the forward extension limit switch (X002) is triggered, the forward extension flag (M11) is set, and the forward extension flag (M11) is reset.
 - Forward Extension Limit:** When the forward extension limit switch (X002) is triggered, the forward extension flag (M11) is set, and the forward extension flag (M11) is reset.
 - Forward Extension Limit:** When the forward extension limit switch (X002) is triggered, the forward extension flag (M11) is set, and the forward extension flag (M11) is reset.
- Retraction Control:**
 - Backward Retraction:** When the backward retraction limit switch (X003) is triggered, the backward retraction flag (M12) is set, and the backward retraction flag (M12) is reset.
 - Backward Retraction Limit:** When the backward retraction limit switch (X003) is triggered, the backward retraction flag (M12) is set, and the backward retraction flag (M12) is reset.
 - Backward Retraction Limit:** When the backward retraction limit switch (X003) is triggered, the backward retraction flag (M12) is set, and the backward retraction flag (M12) is reset.
- Interlocks:** The initial position limit switch (X001) is used to reset the initial position flag (M10) and to reset the initial position flag (M10).



外部接线图0



自动功能流程图1



自动功能流程图		材料	比例
制图	封俊超	数量 1	图号
审核		2012.6 哈尔滨工程大学	