<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>DESCRIPTION</th>
<th>ABBREVIATION</th>
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**Radiation Symbols**

**Pipe Fittings**

**Refrigeration Valves/Fittings**

**Valves**

**HVAC Piping**

**Temperature Control/Monitoring**

**Fire Protection System**

**Medical**

**Steam Piping**

**Duct Symbols**

**Mechanical / Plumbing Symbols and Abbreviations**

**Sections and Details**

**General Notes:**

1. General information about mechanical and plumbing systems.
2. Detailed symbols and abbreviations for various components.
3. Instructions for interpreting diagrams.
4. Compatibility with various industry standards.
5. Application in educational and professional settings.

**Abbreviations:**

- HVAC: Heating, Ventilation, and Air Conditioning
- MEP: Mechanical, Electrical, and Plumbing
- ASHRAE: American Society of Heating, Refrigerating, and Air-Conditioning Engineers

**Drawing Notations:**

- Dimensions
- Material specifications
- Construction techniques

**Medicare:**

- Compliance with healthcare regulations.
- Importance of sanitation and safety in medical facilities.

**Building Codes:**

- Adherence to local and national building codes.
- Importance of structural integrity and safety.

**Construction Sequences:**

- Order of operations in construction projects.
- Coordination between different trades.

**Project Management:**

- Timeline management.
- Resource allocation.
- Quality control.

**Reduction of Waste:**

- Strategies for minimizing waste during construction.
- Recycling and repurposing materials.

**Safety Protocols:**

- Compliance with safety regulations.
- Importance of personal protective equipment.

**Emergency Preparedness:**

- Planning for unexpected situations.
- Communication strategies.

**Maintenance and Repair:**

- Procedures for regular maintenance.
- Strategies for quick repairs.

**Energy Efficiency:**

- Implementation of energy-saving technologies.
- Importance of sustainability.

**Cost Analysis:**

- Budgeting and cost control.
- Analysis of resources.

**Environmental Impact:**

- Minimization of environmental footprint.
- Compliance with environmental regulations.

**Architectural Design:**

- Integration of mechanical and plumbing systems.
- Aesthetic considerations.

**Code Compliance:**

- Adherence to building codes and regulations.
- Importance of compliance.

**Material Selection:**

- Quality and durability considerations.
- Cost-effectiveness.

**Project Goals:**

- Objectives of the project.
- Importance of goals.

**Risk Management:**

- Identification and mitigation of risks.
- Importance of risk assessment.

**Project Status:**

- Tracking of project progress.
- Importance of progress reports.

**Quality Assurance:**

- Implementation of quality control measures.
- Importance of quality assurance.

**Legal Considerations:**

- Compliance with legal requirements.
- Importance of legal compliance.

**Project Coordination:**

- Coordination between different stakeholders.
- Importance of collaboration.

**Project Documentation:**

- Importance of documentation.
- Retention of records.

**Project Closeout:**

- Finalization of projects.
- Importance of project closure.

**Project Review:**

- Evaluation of project outcomes.
- Importance of review.

**Project Feedback:**

- Gathering and implementing feedback.
- Importance of feedback.

**Project Iteration:**

- Iterative approaches in project management.
- Importance of iteration.

**Project Closure:**

- Final steps in project completion.
- Importance of closure.

**Project Reporting:**

- Preparation of project reports.
- Importance of reporting.

**Project Closure:**

- Final steps in project completion.
- Importance of closure.

**Project Reporting:**

- Preparation of project reports.
- Importance of reporting.
### Fan Coil Schedule

<table>
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<tr>
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### Make-Up Air Unit Schedule

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### Hot Water Convector Schedule

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**Detail 'A'**
- Waste and Vent Piping

**Detail 'B'**
- Hot and Cold Water Piping