

OUTLINE CONSULTING

PROVIDING COMPLETE DRAFTING & MEP SERVICES

SERVICES

DRAFTING

- MEP COORDINATION
- DOCUMENTATION

CONSULTING

- PRE-CON./ESTIMATING
- PROJECT START-UP
- ONGOING PROJECT SUPPORT
- CLOSE OUT

With the advanced technology of today's MEP systems, often times critical information is not always carried over to the contract documents. This often requires an unbiased perspective which can make the difference between having a successful or unsuccessful project. At Outline Consulting we specialize in understanding complex MEP systems, from pre-construction to close out. Our objective is to tailor each job around your specific needs, whether from the beginning or the various stages in between. Let our years of industry experience with mechanical systems help you help your client.

DRAFTING

M.E.P COORDINATION

For many years 2D Coordination has been the industry standard, and is still widely used today. More often than not it is usually reserved for smaller projects. Just like the systems it portrays, coordination too has made strides with the advent of 3DCoordination as well as BIM (Building Information Modeling). This facilitates a more accurate coordination process among trades as well as architectural elements.

- ◆ Drawings.
 - One trade or multiple.
 - View's Plan, elevation, South East & West, North East & West, Wire frame, Conceptual, Hidden, Realistic & Shaded.
 - Coordination, daily mark ups, sketch's & as-builts
- ◆ Graphical representation for:
 - Various installation requirements: code & future maintenance.
 - Manufacture's requirements (recommended clearances).
- ◆ Elevations for:
 - Sloped, non-sloped & below grade systems.
 - (Top)-(Bottom)-(Center) or any combination.
- ◆ Dimensions:
 - From column lines, walls & other structure or space constraints.

DOCUMENTATION

Many times the need for capturing existing systems or field conditions of a project is required; whether for design or coordination. We can perform this service and document either one specific system or multiple systems providing the following information:

- Manufacture name plate information, facility nomenclature.
- Systems, elevations, condition & materials used.

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CONSULTING SERVICES

Pre-con. / Estimating

- ◆ Review:
 - Drawings and prepare D.C.R (document clarification request)
 - Scope clarification per discipline and preparation of exhibits.
 - Proposed logistical planning.
 - Generation of proposed schedule.
 - Submittals to ensure they comply with contract documents.
 - V.E. (value engineering)

Project Start-up

- ◆ Review:
 - Generation of scope specific exhibits / contracts.
 - Contractor / Subcontractor qualifications.
 - Exhibits / contracts back from contractor / subcontractor.
 - Buyout of contractors / subcontractors.
 - Submittals to ensure compliancy with contract documents.
- ◆ Implementation:
 - Facilitate the MEP Coordination Process.
 - Drawing distribution shop / coordination.
 - Site visits for existing buildings.

Ongoing Project Support

- ◆ Review bulletins, CCD's, ASI's RFI responses for:
 - Completeness, constructability and compliance.
 - Potential cost impacts.
- ◆ Facilitate RFIs (request for information) based upon:
 - Incomplete or inaccurate contract documents.
 - Unforeseen field conditions or design changes.
 - Code and or compliancy requirements.
- ◆ Oversee installation of various equipment and systems to ensure:
 - Equipment and systems are installed per plans and specifications.
 - Equipment and systems are installed per the manufactures recommendations.
 - Equipment and systems are installed as to allow access by facility and required inspections.
- ◆ Attend meetings:
 - To help facilitate timely resolutions.
 - Provide alternate solutions.
- ◆ Preform walk through to:
 - Ensure equipment and systems are installed per the coordination drawings.
 - Ensure daily mark ups are up to date.
 - Ensure equipment and systems are installed per contract documentation.

CLOSE OUT SUPPORT

- ◆ Facilitation and or the generation of as-builts from field daily markup drawings.
- ◆ Assist with the vendor and or factory start up's
- ◆ Assist with the commissioning process.
- ◆ Review close out documentation (as-builts, O&M manuals, test reports, etc.) to ensure completeness.

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NOTABLE PROJECTS

HEALTH CARE

- Holy Family Hospital expansion
- St. Anne's Hospital renovation and expansion.
- Good Samaritan Medical Center expansion.
- St Elizabeth's medical Center renovation.
- Carney Hospital renovation
- Massachusetts Eye & Ear Infirmary renovation
- Beth Israel Deaconess Expansion.
- Brigham and Women's Health Care Center.
- Maine Medical Center.

EDUCATION

- Jonathan Edwards College Yale University.
- Shady Hill School
- Buckingham Brown & Nichols School.
- The Davis Center University of Vermont.
- Center for Government and International Studies Harvard University.
- Simmons Hall MIT

COMMERCIAL

- Liberty Mutual Insurance.
- Suffolk County Court House.