

Position Title: Mechanical Construction Field Engineer
Requisition 5R6286

Position Duties & Responsibilities:

Primarily responsible for planning and coordination of various construction field execution activities within the mechanical discipline. Position requires development of all technical documentation required to execute construction field installation activities to include installation work instructions, applicable permits, and job hazards analysis. These activities will include involvement in the procurement, fabrication, installation, modification, maintenance and testing of various systems and components. This position also involves oversight of all field installation activities including inspections and problem resolution which requires extensive interface and coordination with Design Engineering, Quality Control, Procurement Engineering, Start Up Test Engineering, Radiological Controls, Industrial Safety, and Facility Operations.

The following is a detailed listing of the duties and responsibilities associated with this position: Design output constructability reviews

- Review design output and vendor documents
- Field walk down with design engineers
 - Verify design constructability including procedure and code compliance
 - Verify field conditions vs. Design output
 - Verify material availability
 - Submit constructability comments
- Track comments to resolution
 - Support design review meetings

Field material take-off & procurement support

- Perform material take off and develop bill of materials (BOM)
- Coordinate ordering of material & track the progress/status of material delivery to site
- Coordinate delivery of material to the field
 - Verification of received material vs. Ordered material

Work execution plan development

- Walk downs with craft supervision & support groups
- Develop installation sequence
- Generate work instructions
- Generate inspection and test records or coordinate with quality control
- Understand layout/survey needs and generate layout/survey requests
- Generate job hazards analysis for field execution of construction scope
- Support/lead team hazard analysis review meetings
- Generate or support the generation of job specific permits as required
- Electrical lockout/tagout order
 - Power services utilization permit
- Hotwork
- Asbestos disturbance
 - Confined space
 - Radiological
 - Excavation
- Hazardous waste

Work Execution Plan Review & Approval

Attend/chair execution plan review meetings Develop routing for list for hazards analysis approval Develop routing list for work plan approval

- Coordinate and expedite work plan approval Disposition comments to the work execution plan Assemble and issue approved work execution plans Provide status & update of work execution plan

Work Execution Field Coverage & Support

Lead pre-job briefings with craft workers Perform task ready walk down with craft supervision Verify quantities of installed commodities

- Coordinate daily field support
 - Order and expedite delivery of additional material as required
 - Coordinate material testing as required
- Coordinate and status shop fabrication in support of field execution
Perform field inspections
Identify and coordinate resolution of field

installation issues Work Execution Plan Closure

Generate design completion notices
Ensure accuracy of work execution plan status

- Close all required permits
- Close work execution plan documentation

Required Qualifications:

Education/Experience

Bachelor of Science degree in Mechanical Engineering or Associates degree in Mechanical Engineering and 1-5 years of related experience or High school diploma and 5+ years of related experience
Candidate must have 2 years of experience in construction work planning
Candidate with experience in work planning using computerized work control process system (i.e. Passport, Asset Suite, Smart Plant Foundation) is preferred

- Candidate must have the ability to walkdown systems in the field

Work Hours

A 40 hour work week is scheduled. SRS utilizes various work schedules; including 5/8s (8 hours/day; five days per week), 4/10s (10 hours/day; four days per week), and a 9/80s (9 hours/day, five days on week A and 4 days on week B). Work week excludes SRS holidays.

Each work day has a 30-minute lunch.

Area Security Access

A security clearance is not initially required; however, candidate must be capable of obtaining an L or Q clearance if required to perform assigned duties.

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CANDIDATE EVALUATION FORM

CANDIDATE NAME: _____

POSITION TITLE: Mechanical Construction Field Engineer

MINIMUM REQUIREMENTS (See Job Description)	<u>YES</u>	NO
1) U. S. Citizen		_____
2) BS Degree in Mechanical Engineering or AS Degree in Mechanical Engineering & 1-5 Yrs Experience or High School Diploma and 5+ Yrs Experience		_____
3) 2 years experience in construction work planning	_____	_____
4) Ability to walk down systems in the field	_____	_____
5) Telephone interview to validate resume data*	_____	_____
6) Reference check to evaluate performance capability*	_____	_____

*Evaluation validation criteria

_____ A

Additional Qualifications of Candidate:

Narrative Discussion of Resume Validation**:

acceptable) (**Discuss
on not
required if
candidate is

EVALUATOR: _____

DATE: _____