

# OUR VALUE TO YOUR PROJECT



Wheaton Sprague's approach is to build long term relationships with the people and organizations we serve, and partner with them to facilitate competitive and successful projects. It is our chief desire that the quality of your experience working with us on the project will be as memorable as the quality of the work product you receive from us.

Although WS is not always engaged for all project phases, the following are examples, by phase, of the added value of our consulting services to your project.

These processes often generate considerable cost savings by eliminating or reducing cost impacts due to change orders, faulty construction practices, lost time, out of sequence work and premature envelope failures. Other value components are the protection of your investment and added assurance of return on that investment.

## Phase 1

### Design Development

WS provides technical information, clarification, details and direction to assist the project team in developing cost effective solutions and performance criteria for building envelope systems that are suited to the overall building design. WS provides valuable input with respect to building envelope constructibility and design compatibility with adjacent building elements, and *provides direction for desired results at a lower cost potential.*

### Construction Documents

In this phase, WS provides technical information, clarification, details and direction to assist the project team in finalizing cost effective solutions and technical specifications for building envelope systems that are suited to the overall building design. WS assists with ensuring that the project team and contract glazing bidders are presented a defined scope for the building envelope, and provides direction for desired results at a lower cost potential.

## Phase 2

## Phase 3

### Bidding and Negotiation

In this phase, WS assists in the evaluation of bids and proposals from the building envelope trade contractors, and seeks to confirm that they are reflective of the specified criteria and appropriate for the project. WS studies and considers value engineering proposals, specific exclusions or contractor qualifications; and can render a written opinion based on technical merit. In this way, the project team is enabled to fully evaluate each proposal or VE item on both its technical and cost merits.

### Visual Mock-Up and/or Performance Mock up Testing

In this phase, WS evaluates mock-up designs to see that they are applicable to the project, and are in conformance to the specified criteria. WS endeavors to ensure that remedial details as a result of failed testing or constructibility issues are applied to the project. The project team receives a detailed report with captioned photographs as documentation evidence of constructed mock-ups, testing and remedial procedures.

## Phase 4

## Phase 5

### Submittal Reviews

In this phase, WS will review the submittal items from the building envelope trade contractors for conformance to the specified criteria and design intent. WS will flag and comment on details, calculations or product data that do not conform.

### Site Observations

In this phase, WS periodically observes building envelope installation conditions and techniques, and flags non-conforming items observed. WS performs and/or witnesses field QC testing and assures that the testing would comply with the specified criteria. For each and every field observation, the project team would receive a detailed report with captioned photographs as documented evidence of nonconforming installation, results of field water testing and pending remedial procedures.

## Phase 6